



Banyan



Virtual
Garden



Mini Social
Media



Data
Logging



Weather
Forecast



Long Distance
Treatment

Kode Program

File 1. AboutActivity.java

```
package com.bintang.banyan.Activity;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.MenuItem;

import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.R;

public class AboutActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_about);
        Toolbar aboutToolbar = findViewById(R.id.about_toolbar);
        setSupportActionBar(aboutToolbar);
        if (getSupportActionBar() != null) {
            getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        }
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case android.R.id.home:
                // kembali ke Main Menu

                Intent intent = new Intent(AboutActivity.this, MainActivity.class);
                intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP | Intent.FLAG_ACTIVITY_NEW_TASK);
                startActivity(intent);
                finish();
                return true;

            default:
                return super.onOptionsItemSelected(item);
        }
    }
}
```

File 2. AddCommentPresenter.java

```
package com.bintang.banyan.Activity.DetailPost;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.Komentar;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class AddCommentPresenter {
    private AddCommentView view;

    public AddCommentPresenter(AddCommentView view) {
        this.view = view;
    }

    void postKomentar(final int post_id, final String user_id, final String komentar) {

        view.showProgress();

        ApiInterface apiInterface = ApiClient.getApiClient()
            .create(ApiInterface.class);
        Call<Komentar> call = apiInterface.postKomentar(post_id, user_id, komentar);

        call.enqueue(new Callback<Komentar>() {
            @Override
            public void onResponse(@NonNull Call<Komentar> call, @NonNull Response<Komentar> response) {

                view.hideProgress();

                if (response.isSuccessful() && response.body() != null) {

                    Boolean success = response.body().getSuccess();
                    if (success) {
                        view.onRequestSuccess(response.body().getMessage());
                    } else {
                        view.onRequestError(response.body().getMessage());
                    }
                }
            }
        });
    }
}
```

```

        }

        @Override
        public void onFailure(@NonNull Call<Komentar> call, @NonNu
ll Throwable t) {
            view.hideProgress();
            view.onRequestError(t.getLocalizedMessage());
        }
    });
}
}
}

```

File 3. AddCommentView.java

```

package com.bintang.banyan.Activity.DetailPost;

public interface AddCommentView {
    void showProgress();

    void hideProgress();

    void onRequestSuccess(String message);

    void onRequestError(String message);
}

```

File 4. AddPostActivity.java

```

package com.bintang.banyan.Activity.AddPost;

import android.Manifest;
import android.app.Activity;
import android.app.ProgressDialog;
import android.content.Intent;
import android.graphics.Bitmap;
import android.graphics.drawable.BitmapDrawable;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.provider.Settings;
import android.support.annotation.Nullable;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.util.Base64;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

```

```

import android.widget.ImageView;
import android.widget.Toast;

import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.R;
import com.bumptech.glide.Glide;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.MultiplePermissionsReport;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.multi.MultiplePermissionsListener;
import com.squareup.picasso.Picasso;

import java.io.ByteArrayOutputStream;
import java.io.IOException;
import java.util.List;

import butterknife.BindView;
import butterknife.ButterKnife;
import butterknife.OnClick;

public class AddPostActivity extends AppCompatActivity implements AddPostView {

    public static final int REQUEST_IMAGE = 100;
    private static final String TAG = AddPostActivity.class.getSimpleName();

    @BindView(R.id.iv_post)
    ImageView ivPost;

    Bitmap bitmap;
    AddPostPresenter presenter;
    EditText edtJudul, edtDeskripsi;
    Button btnPost;
    ProgressDialog progressDialog;
    String user_id = MainActivity.getId();
    String intentGambar, intentJudulPost, intentDeskripsi;
    int intentId;
    boolean isEditPost = false;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_add_post);

        ButterKnife.bind(this);

        ivPost = findViewById(R.id.iv_post);

```

```

edtJudul = findViewById(R.id.edt_judul);
edtDeskripsi = findViewById(R.id.edt_deskripsi);
btnPost = findViewById(R.id.btn_send_post);
progressDialog = new ProgressDialog(this);
progressDialog.setMessage("Mohon Tunggu...");
presenter = new AddPostPresenter(this);

ImagePickerActivity.clearCache(this);
loadDefaultPic();

Intent intent = getIntent();
intentId = intent.getIntExtra("id", 0);
intentJudulPost = intent.getStringExtra("judul");
intentDeskripsi = intent.getStringExtra("deskripsi");
intentGambar = intent.getStringExtra("gambar");

setDataFromIntentExtra();

//CLICK LISTENER
// imgPost.setOnClickListener(view -> pilihFoto());
btnPost.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if (isEditPost) {
            editPost();
            Toast.makeText(AddPostActivity.this, "is Edit Post
", Toast.LENGTH_SHORT).show();
        } else {
            uploadPost();
            Toast.makeText(AddPostActivity.this, "New Post", T
oast.LENGTH_SHORT).show();
        }
    }
});

}

private void setDataFromIntentExtra() {
    if (intentId != 0) {
        edtJudul.setText(intentJudulPost);
        edtDeskripsi.setText(intentDeskripsi);
        Picasso.get().load(intentGambar)
            .error(R.drawable.ic_person_black_100dp)
            .into(ivPost);

        try {

```

```

        bitmap = ((BitmapDrawable) ivPost.getDrawable()).getBi
tmap();

        } catch (Exception e) {
            e.printStackTrace();
        }

        isEditPost = true;
    }

}

private void loadDefaultPic() {
    Glide.with(this).load(R.drawable.ic_banyan_496px_post)
        .into(ivPost);
}

//=====
private void loadProfile(String url) {
    Log.d(TAG, "Image cache path: " + url);

    Glide.with(this).load(url)
        .into(ivPost);
}

@OnClick(R.id.iv_post)
void onProfileImageClick() {
    Dexter.withActivity(this)
        .withPermissions(Manifest.permission.CAMERA, Manifest.
permission.WRITE_EXTERNAL_STORAGE)
        .withListener(new MultiplePermissionsListener() {
            @Override
            public void onPermissionsChecked(MultiplePermissio
nsReport report) {
                if (report.areAllPermissionsGranted()) {
                    showImagePickerOptions();
                }

                if (report.isAnyPermissionPermanentlyDenied())
{
                    showSettingsDialog();
                }
            }
        })

        @Override
        public void onPermissionRationaleShouldBeShown(Lis
t<PermissionRequest> permissions, PermissionToken token) {

```

```

        token.continuePermissionRequest();
    }
    }).check();
}

private void showImagePickerOptions() {
    ImagePickerActivity.showImagePickerOptions(this, new ImagePickerActivity.PickerOptionListener() {
        @Override
        public void onTakeCameraSelected() {
            launchCameraIntent();
        }

        @Override
        public void onChooseGallerySelected() {
            launchGalleryIntent();
        }
    });
}

private void launchCameraIntent() {
    Intent intent = new Intent(AddPostActivity.this, ImagePickerActivity.class);
    intent.putExtra(ImagePickerActivity.INTENT_IMAGE_PICKER_OPTION, ImagePickerActivity.REQUEST_IMAGE_CAPTURE);

    // setting aspect ratio
    intent.putExtra(ImagePickerActivity.INTENT_LOCK_ASPECT_RATIO, true);
    intent.putExtra(ImagePickerActivity.INTENT_ASPECT_RATIO_X, 1);
    // 16x9, 1x1, 3:4, 3:2
    intent.putExtra(ImagePickerActivity.INTENT_ASPECT_RATIO_Y, 1);

    // setting maximum bitmap width and height
    intent.putExtra(ImagePickerActivity.INTENT_SET_BITMAP_MAX_WIDTH_HEIGHT, true);
    intent.putExtra(ImagePickerActivity.INTENT_BITMAP_MAX_WIDTH, 1000);
    intent.putExtra(ImagePickerActivity.INTENT_BITMAP_MAX_HEIGHT, 1000);

    startActivityForResult(intent, REQUEST_IMAGE);
}

private void launchGalleryIntent() {
    Intent intent = new Intent(AddPostActivity.this, ImagePickerActivity.class);
}

```



```

        intent.putExtra(ImagePickerActivity.INTENT_IMAGE_PICKER_OPTION
, ImagePickerActivity.REQUEST_GALLERY_IMAGE);

        // setting aspect ratio
        intent.putExtra(ImagePickerActivity.INTENT_LOCK_ASPECT_RATIO,
true);
        intent.putExtra(ImagePickerActivity.INTENT_ASPECT_RATIO_X, 1);
// 16x9, 1x1, 3:4, 3:2
        intent.putExtra(ImagePickerActivity.INTENT_ASPECT_RATIO_Y, 1);
        startActivityForResult(intent, REQUEST_IMAGE);
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @
Nullable Intent data) {
        if (requestCode == REQUEST_IMAGE) {
            if (resultCode == Activity.RESULT_OK) {
                Uri uri = data.getParcelableExtra("path");
                try {
                    // You can update this bitmap to your server
                    bitmap = MediaStore.Images.Media.getBitmap(this.ge
tContentResolver(), uri);
                    ivPost.setImageBitmap(bitmap);

                    // loading profile image from local cache
                    loadProfile(uri.toString());
                } catch (IOException e) {
                    e.printStackTrace();
                }
            }
        }
    }

    /**
     * Showing Alert Dialog with Settings option
     * Navigates user to app settings
     * NOTE: Keep proper title and message depending on your app
     */
    private void showSettingsDialog() {
        AlertDialog.Builder builder = new AlertDialog.Builder(AddPostA
ctivity.this);
        builder.setTitle(getString(R.string.dialog_permission_title));
        builder.setMessage(getString(R.string.dialog_permission_messag
e));
        builder.setPositiveButton(getString(R.string.go_to_settings),
(dialog, which) -> {
            dialog.cancel();
            openSettings();
        });
    }

```

```

    });
    builder.setNegativeButton(getString(android.R.string.cancel),
(dialog, which) -> dialog.cancel());
    builder.show();

}

// navigating user to app settings
private void openSettings() {
    Intent intent = new Intent(Settings.ACTION_APPLICATION_DETAILS
_SETTINGS);
    Uri uri = Uri.fromParts("package", getPackageName(), null);
    intent.setData(uri);
    startActivityForResult(intent, 101);
}

//=====

private void uploadPost() {
    presenter.postKonten(user_id,
        edtJudul.getText().toString().trim(),
        edtDeskripsi.getText().toString().trim(),
        getStringImage(bitmap)
    );
}

private void editPost() {
    presenter.editKonten(
        intentId,
        edtJudul.getText().toString().trim(),
        edtDeskripsi.getText().toString().trim(),
        getStringImage(((BitmapDrawable) ivPost.getDrawable())
.getBitmap())
    );
}

private String getStringImage(Bitmap bitmap) {
    ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOut
putStream();
    bitmap.compress(Bitmap.CompressFormat.JPEG, 100, byteArrayOutp
utStream);

    byte[] imageByteArray = byteArrayOutputStream.toByteArray();
    String encodedImage = Base64.encodeToString(imageByteArray, Ba
se64.DEFAULT);

```

```

        return encodedImage;
    }

    @Override
    public void showProgress() {
        progressDialog.show();
    }

    @Override
    public void hideProgress() {
        progressDialog.hide();
    }

    @Override
    public void onRequestPostSuccess(String message) {
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
        Intent intent = new Intent(AddPostActivity.this, MainActivity.
class);
        intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP | Intent.FLAG_A
CTIVITY_NEW_TASK);
        startActivity(intent);
        finish();
    }

    @Override
    public void onRequestPostError(String message) {
        Toast.makeText(this, "Error" + message, Toast.LENGTH_SHORT).sh
ow();
    }
}

```

File 5. AddPostPresenter.java

```

package com.bintang.banyan.Activity.AddPost;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.Posting;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class AddPostPresenter {
    private AddPostView view;

```

```

public AddPostPresenter(AddPostView view) {
    this.view = view;
}

void postKonten(final String user_id, final String judul, final String deskripsi, final String gambar) {

    view.showProgress();

    ApiInterface apiInterface = ApiClient.getApiClient()
        .create(ApiInterface.class);
    Call<Posting> call = apiInterface.postKonten(user_id, judul, deskripsi, gambar);

    call.enqueue(new Callback<Posting>() {
        @Override
        public void onResponse(@NonNull Call<Posting> call, @NonNull Response<Posting> response) {

            view.hideProgress();

            if (response.isSuccessful() && response.body() != null) {

                Boolean success = response.body().getSuccess();
                if (success) {
                    view.onRequestPostSuccess(response.body().getMessage());
                } else {
                    view.onRequestPostError(response.body().getMessage());
                }
            }
        }

        @Override
        public void onFailure(@NonNull Call<Posting> call, @NonNull Throwable t) {
            view.hideProgress();
            view.onRequestPostError(t.getMessage());
        }
    });

    public void deleteKonten(int id) {
        view.showProgress();
        ApiInterface apiInterface = ApiClient.getApiClient().create(ApiInterface.class);
    }
}

```

```

        Call<Posting> call = apiInterface.deletePost(id);
        call.enqueue(new Callback<Posting>() {
            @Override
            public void onResponse(@NonNull Call<Posting> call, @NonNu
ll Response<Posting> response) {
                view.hideProgress();
                if (response.isSuccessful() && response.body() != null
) {
                    Boolean success = response.body().getSuccess();
                    if (success) {
                        view.onRequestPostSuccess(response.body().getM
essage());
                    } else {
                        view.onRequestPostError(response.body().getMes
sage());
                    }
                }
            }

            @Override
            public void onFailure(@NonNull Call<Posting> call, @NonNul
l Throwable t) {
                view.hideProgress();
                view.onRequestPostError(t.getLocalizedMessage());
            }
        });
    }

    public void editKonten(final int id, final String judul, final Str
ing deskripsi, final String gambar) {

        view.showProgress();

        ApiInterface apiInterface = ApiClient.getApiClient()
            .create(ApiInterface.class);
        Call<Posting> call = apiInterface.editPost(id, judul, deskrips
i, gambar);

        call.enqueue(new Callback<Posting>() {
            @Override
            public void onResponse(@NonNull Call<Posting> call, @NonNu
ll Response<Posting> response) {

                view.hideProgress();

```

```

        if (response.isSuccessful() && response.body() != null
) {
            Boolean success = response.body().getSuccess();
            if (success) {
                view.onRequestPostSuccess(response.body().getM
essage());
            } else {
                view.onRequestPostError(response.body().getMes
sage());
            }
        }
    }

    @Override
    public void onFailure(@NonNull Call<Posting> call, @NonNul
l Throwable t) {
        view.hideProgress();
        view.onRequestPostError(t.getLocalizedMessage());
    }
});
}
}
}

```

File 6. AddPostView.java

```

package com.bintang.banyan.Activity.AddPost;

public interface AddPostView {
    void showProgress();

    void hideProgress();

    void onRequestPostSuccess(String message);

    void onRequestPostError(String message);
}

```

File 7. AddTanaman.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class AddTanaman {
    @Expose

```

```

@SerializedName("id")
private int id;
@Expose
@SerializedName("user_id")
private String user_id;
@Expose
@SerializedName("tanaman_id")
private int tanaman_id;
@Expose
@SerializedName("date")
private String date;
@Expose
@SerializedName("success")
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public String getUser_id() {
    return user_id;
}

public int getTanaman_id() {
    return tanaman_id;
}

public String getDate() {
    return date;
}

public Boolean getSuccess() {
    return success;
}

public String getMessage() {
    return message;
}
}

```

File 8. AddTanamanPresenter.java

```

package com.bintang.banyan.Activity.DetailRekomendasiTanaman;

import android.support.annotation.NonNull;

```

```

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.AddTanaman;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class AddTanamanPresenter {
    private AddTanamanView view;

    public AddTanamanPresenter(AddTanamanView view) {
        this.view = view;
    }

    void tambahTanaman(final String user_id, final int tanaman_id) {

        ApiInterface apiInterface = ApiClient.getApiClient()
            .create(ApiInterface.class);
        Call<AddTanaman> call = apiInterface.tambahTanaman(user_id, ta
naman_id);

        call.enqueue(new Callback<AddTanaman>() {
            @Override
            public void onResponse(@NonNull Call<AddTanaman> call, @No
nNull Response<AddTanaman> response) {

                if (response.isSuccessful() && response.body() != null
) {

                    Boolean success = response.body().getSuccess();
                    if (success) {
                        view.onRequestAddTanamanSuccess(response.body(
).getMessage());
                    } else {
                        view.onRequestError(response.body().getMessage
());
                    }
                }
            }

            @Override
            public void onFailure(@NonNull Call<AddTanaman> call, @Non
Null Throwable t) {
                view.onRequestError(t.getLocalizedMessage());
            }
        });
    }
}

```



```
}
```

File 9. AddTanamanView.java

```
package com.bintang.banyan.Activity.DetailRekomendasiTanaman;

public interface AddTanamanView {

    void onRequestAddTanamanSuccess(String message);

    void onRequestError(String message);

}
```

File 10. ApiClient.java

```
package com.bintang.banyan.Api;

import retrofit2.Retrofit;
import retrofit2.converter.gson.GsonConverterFactory;

public class ApiClient {

    private static final String BASE_URL = "https://bonbon28.000webhos
tapp.com/banyan/";
    private static Retrofit retrofit;

    public static Retrofit getApiClient() {
        if (retrofit == null) {
            retrofit = new Retrofit.Builder()
                .baseUrl(BASE_URL)
                .addConverterFactory(GsonConverterFactory.create())
            )
                .build();
        }
        return retrofit;
    }
}
```

File 11. ApiInterface.java

```
package com.bintang.banyan.Api;

import com.bintang.banyan.Model.AddTanaman;
import com.bintang.banyan.Model.Catatan;
import com.bintang.banyan.Model.IotData;
import com.bintang.banyan.Model.Komentar;
import com.bintang.banyan.Model.MyPosting;
import com.bintang.banyan.Model.MyTanaman;
```

```
import com.bintang.banyan.Model.Posting;
import com.bintang.banyan.Model.RekomendasiTanaman;
import com.bintang.banyan.Model.Relay;

import java.util.List;

import retrofit2.Call;
import retrofit2.http.Field;
import retrofit2.http.FormUrlEncoded;
import retrofit2.http.GET;
import retrofit2.http.POST;

public interface ApiInterface {
    @FormUrlEncoded
    @POST("posting.php")
    Call<Posting> postKonten(
        @Field("user_id") String title,
        @Field("judul") String note,
        @Field("deskripsi") String deskripsi,
        @Field("gambar") String gambar
    );

    @GET("getposting.php")
    Call<List<Posting>> getPosting();

    @FormUrlEncoded
    @POST("editpost.php")
    Call<Posting> editPost(
        @Field("id") int id,
        @Field("judul") String judul,
        @Field("deskripsi") String deskripsi,
        @Field("gambar") String gambar
    );

    @FormUrlEncoded
    @POST("deletepost.php")
    Call<Posting> deletePost(
        @Field("id") int id);

    @FormUrlEncoded
    @POST("komentar.php")
    Call<Komentar> postKomentar(
        @Field("post_id") int post_id,
        @Field("user_id") String user_id,
        @Field("komentar") String komentar
    );

    @FormUrlEncoded
```

```

@POST("catatan.php")
Call<Catatan> postCatatan(
    @Field("tanaman_id") int tanaman_id,
    @Field("user_id") String user_id,
    @Field("catatan") String catatan
);

@FormUrlEncoded
@POST("getkomentar.php")
Call<List<Komentar>> getKomentar(
    @Field("post_id") int post_id
);

@FormUrlEncoded
@POST("getcatatan.php")
Call<List<Catatan>> getCatatan(
    @Field("tanaman_id") int tanaman_id
);

@FormUrlEncoded
@POST("getmyposting.php")
Call<List<MyPosting>> getMyPosting(
    @Field("user_id") int user_id
);

@FormUrlEncoded
@POST("getrekomendasitanaman.php")
Call<List<RekomendasiTanaman>> getRekomendasiTanaman(
    @Field("ketinggian") String ketinggian,
    @Field("suhu") String suhu,
    @Field("kelembapan") String kelembapan,
    @Field("tekanan") String tekanan,
    @Field("struktur_tanah") String struktur_tanah,
    @Field("lahan") String lahan,
    @Field("air") String air
);

@FormUrlEncoded
@POST("gettanamanku.php")
Call<List<MyTanaman>> getTanamanku(
    @Field("user_id") int user_id
);

@FormUrlEncoded
@POST("tambahtanaman.php")
Call<AddTanaman> tambahTanaman(
    @Field("user_id") String user_id,
    @Field("tanaman_id") int tanaman_id

```

```

);

@FormUrlEncoded
@POST("getiotdata.php")
Call<List<IotData>> reqData(
    @Field("user_id") int user_id
);

@GET("relay.php")
Call<Relay> relay();
}

```

File 12. BanyanMessagingService.java

```

package com.bintang.banyan;

import android.support.v4.app.NotificationCompat;
import android.support.v4.app.NotificationManagerCompat;

import com.google.firebase.messaging.FirebaseMessagingService;
import com.google.firebase.messaging.RemoteMessage;

public class BanyanMessagingService extends FirebaseMessagingService {
    @Override
    public void onMessageReceived(RemoteMessage remoteMessage) {
        super.onMessageReceived(remoteMessage);
    }

    public void showNotification(String title, String message) {
        NotificationCompat.Builder builder = new NotificationCompat.Builder(this, "Banyan Notification")
            .setContentTitle(title)
            .setSmallIcon(R.mipmap.ic_launcher)
            .setAutoCancel(true)
            .setContentText(message);

        NotificationManagerCompat managerCompat = NotificationManagerCompat.from(this);
        managerCompat.notify(999, builder.build());
    }
}

```

File 13. BerandaAdapter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Beranda;

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v7.widget.CardView;

```

```

import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import com.bintang.banyan.Model.Posting;
import com.bintang.banyan.R;
import com.squareup.picasso.Picasso;

import java.util.List;

public class BerandaAdapter extends RecyclerView.Adapter<BerandaAdapter.
RecyclerViewAdapter> {
    private Context context;
    private List<Posting> post;
    private ItemClickListener itemClickListener;

    public BerandaAdapter(Context context, List<Posting> post, ItemClickListener itemClickListener) {
        this.context = context;
        this.post = post;
        this.itemClickListener = itemClickListener;
    }

    @NonNull
    @Override
    public RecyclerViewAdapter onCreateViewHolder(@NonNull ViewGroup viewGroup, int i) {
        View view = LayoutInflater.from(context).inflate(R.layout.item_post, viewGroup, false);

        return new RecyclerViewAdapter(view, itemClickListener);
    }

    @Override
    public void onBindViewHolder(@NonNull RecyclerViewAdapter recyclerViewAdapter, int i) {
        Posting postt = this.post.get(i);

        recyclerViewAdapter.tv_id.setText(postt.getUser_id());
        recyclerViewAdapter.tv_judul.setText(postt.getJudul());
        recyclerViewAdapter.tv_deskripsi.setText(postt.getDeskripsi());
;
        recyclerViewAdapter.tv_date.setText(postt.getTanggal());

        try {

```

```

        Picasso.get().load(postt.getGambar())
            .error(R.drawable.ic_person_black_100dp)
            .into(recyclerViewAdapter.iv_post);

        Picasso.get().load(postt.getUserImage())
            .error(R.drawable.ic_person_black_100dp)
            .into(recyclerViewAdapter.iv_user_image);

    } catch (Exception e) {
        e.printStackTrace();
    }
}

@Override
public int getItemCount() {
    return post.size();
}

public interface ItemClickListener {
    void onItemClick(View view, int position);
}

public class RecyclerViewAdapter extends RecyclerView.ViewHolder implements View.OnClickListener {

    TextView tv_id, tv_judul, tv_deskripsi, tv_date;
    ImageView iv_post, iv_user_image;

    CardView card_item;
    ItemClickListener itemClickListener;

    RecyclerViewAdapter(View itemView, ItemClickListener itemClickListener) {
        super(itemView);

        tv_id = itemView.findViewById(R.id.item_user_id);
        tv_judul = itemView.findViewById(R.id.item_judul);
        tv_deskripsi = itemView.findViewById(R.id.item_deskripsi);
        tv_date = itemView.findViewById(R.id.item_date);
        iv_post = itemView.findViewById(R.id.iv_item_post);
        iv_user_image = itemView.findViewById(R.id.item_user_image);

        card_item = itemView.findViewById(R.id.card_item);

        this.itemClickListener = itemClickListener;
        card_item.setOnClickListener(this);
    }
}

```

```

        @Override
        public void onClick(View view) {
            itemClickListener.onItemClick(view, getAdapterPosition());
        }
    }
}

```

File 14. BerandaPresenter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Beranda;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.Posting;

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class BerandaPresenter {
    private BerandaView view;

    public BerandaPresenter(BerandaView view) {
        this.view = view;
    }

    void getData() {
        view.showLoading();
        //Request to server
        ApiInterface apiInterface = ApiClient.getApiClient().create(ApiInterface.class);
        Call<List<Posting>> call = apiInterface.getPosting();

        call.enqueue(new Callback<List<Posting>>() {
            @Override
            public void onResponse(@NonNull Call<List<Posting>> call,
@NonNull Response<List<Posting>> response) {
                view.hideLoading();
                if (response.isSuccessful() && response.body() != null
) {
                    view.onGetResult(response.body());
                }
            }
        })
    }
}

```

```

        @Override
        public void onFailure(@NonNull Call<List<Posting>> call, @
NonNull Throwable t) {
            view.hideLoading();
            view.onErrorLoading(t.getLocalizedName());
        }
    });
}
}
}

```

File 15. BerandaView.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Beranda;

import com.bintang.banyan.Model.Posting;

import java.util.List;

public interface BerandaView {
    void showLoading();

    void hideLoading();

    void onGetResult(List<Posting> notes);

    void onErrorLoading(String message);
}

```

File 16. Catatan.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class Catatan {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("tanaman_id")
    private String tanaman_id;
    @Expose
    @SerializedName("user_id")
    private String user_id;
    @Expose
    @SerializedName("catatan")
    private String catatan;
}

```



```
@Expose
@SerializedName("date")
private String date;
@Expose
@SerializedName("success")
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public String getTanaman_id() {
    return tanaman_id;
}

public void setTanaman_id(String tanaman_id) {
    this.tanaman_id = tanaman_id;
}

public String getUser_id() {
    return user_id;
}

public void setUser_id(String user_id) {
    this.user_id = user_id;
}

public String getCatatan() {
    return catatan;
}

public void setCatatan(String catatan) {
    this.catatan = catatan;
}

public String getDate() {
    return date;
}

public void setDate(String date) {
    this.date = date;
}
```

```

    }

    public Boolean getSuccess() {
        return success;
    }

    public void setSuccess(Boolean success) {
        this.success = success;
    }

    public String getMessage() {
        return message;
    }

    public void setMessage(String message) {
        this.message = message;
    }
}

```

File 17. CatatanAdapter.java

```

package com.bintang.banyan.Activity.DetailTanaman.Catatan;

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import com.bintang.banyan.Model.Catatan;
import com.bintang.banyan.R;

import java.util.List;

public class CatatanAdapter extends RecyclerView.Adapter<CatatanAdapter.RecyclerViewAdapter> {

    private Context context;
    private List<Catatan> catatans;

    public CatatanAdapter(Context context, List<Catatan> catatans) {
        this.context = context;
        this.catatans = catatans;
    }

    @NonNull
    @Override

```

```

    public RecyclerViewAdapter onCreateViewHolder(@NonNull ViewGroup v
iewGroup, int i) {
        View view = LayoutInflater.from(context).inflate(R.layout.item
_catatan, viewGroup, false);

        return new RecyclerViewAdapter(view);
    }

    @Override
    public void onBindViewHolder(@NonNull RecyclerViewAdapter recycler
ViewAdapter, int i) {
        Catatan catatan = catatans.get(i);

        recyclerViewAdapter.tv_username.setText(catatan.getUser_id());
        recyclerViewAdapter.tv_catatan.setText(catatan.getCatatan());
        recyclerViewAdapter.tv_date.setText(catatan.getDate());
    }

    @Override
    public int getItemCount() {
        return catatans.size();
    }

    public class RecyclerViewAdapter extends RecyclerView.ViewHolder {

        TextView tv_username, tv_catatan, tv_date;

        RecyclerViewAdapter(View itemView) {
            super(itemView);

            tv_username = itemView.findViewById(R.id.item_user_name_ca
tatan);
            tv_catatan = itemView.findViewById(R.id.item_catatan);
            tv_date = itemView.findViewById(R.id.item_date_catatan);
        }
    }
}

```

File 18. CatatanPresenter.java

```

package com.bintang.banyan.Activity.DetailTanaman.Catatan;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.Catatan;

```

```

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class CatatanPresenter {
    private CatatanView view;

    public CatatanPresenter(CatatanView view) {
        this.view = view;
    }

    public void getCatatan(final int tanaman_id) {

        view.showCatatanProgress();

        ApiInterface apiInterface = ApiClient.getApiClient().create(ApiInterface.class);
        Call<List<Catatan>> call = apiInterface.getCatatan(tanaman_id);

        call.enqueue(new Callback<List<Catatan>>() {
            @Override
            public void onResponse(@NonNull Call<List<Catatan>> call, @NonNull Response<List<Catatan>> response) {

                view.hideCatatanProgress();

                if (response.isSuccessful() && response.body() != null) {
                    view.onRequestCatatanSuccess(response.body());
                }
            }

            @Override
            public void onFailure(@NonNull Call<List<Catatan>> call, @NonNull Throwable t) {
                view.hideCatatanProgress();
                view.onRequestCatatanError(t.getLocalizedMessage());
            }
        });
    }
}

```

File 19. CatatanView.java

```

package com.bintang.banyan.Activity.DetailTanaman.Catatan;

```

```

import com.bintang.banyan.Model.Catatan;

import java.util.List;

public interface CatatanView {
    void showCatatanProgress();

    void hideCatatanProgress();

    void onRequestCatatanSuccess(List<Catatan> catatan);

    void onRequestCatatanError(String message);
}

```

File 20. DetailPostActivity.java

```

package com.bintang.banyan.Activity.DetailPost;

import android.app.AlertDialog;
import android.app.ProgressDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.support.design.widget.CollapsingToolbarLayout;
import android.support.design.widget.FloatingActionButton;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.bintang.banyan.Activity.AddPost.AddPostActivity;
import com.bintang.banyan.Activity.AddPost.AddPostPresenter;
import com.bintang.banyan.Activity.AddPost.AddPostView;
import com.bintang.banyan.Activity.DetailPost.Komentar.KomentarAdapter
;
import com.bintang.banyan.Activity.DetailPost.Komentar.KomentarPresent
er;
import com.bintang.banyan.Activity.DetailPost.Komentar.KomentarView;
import com.bintang.banyan.Activity.Main.MainActivity;

```

```

import com.bintang.banyan.Model.Komentar;
import com.bintang.banyan.R;
import com.squareup.picasso.Picasso;

import java.util.List;

public class DetailPostActivity extends AppCompatActivity implements AddCommentView, KomentarView, AddPostView {

    int id;
    String user_id, judul, deskripsi, gambar, tanggal, user_image;
    Toolbar toolbar;
    Menu toolbarMenu;
    MenuItem menuDelete, menuEdit;
    ImageView ivImagePostDetail, ivUserImage;
    TextView tvDeskripsi, tvTanggal, tvUserName;
    EditText edtComment;
    Button sendKomentar;
    AddCommentPresenter presenter;
    ProgressDialog progressDialog;
    RecyclerView recyclerViewKomen;

    KomentarPresenter komentarPresenter;
    KomentarAdapter komentarAdapter;

    AddPostPresenter addPostPresenter;

    List<Komentar> komentars;

    SwipeRefreshLayout swipeRefreshKomentar;

    FloatingActionButton fabShare;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_detail_post);

        CollapsingToolbarLayout toolbarLayout;
        toolbarLayout = findViewById(R.id.toolbar_post_collapsing);
        toolbar = findViewById(R.id.toolbar_post);
        setSupportActionBar(toolbar);
        if (getSupportActionBar() != null) {
            getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        }
        swipeRefreshKomentar = findViewById(R.id.swipe_refresh_komenta
r);

```

```

ivImagePostDetail = findViewById(R.id.iv_post_detail);
tvDeskripsi = findViewById(R.id.tv_deskripsi_detail);
tvTanggal = findViewById(R.id.tv_tanggal_detail);
ivUserImage = findViewById(R.id.iv_user_image_detail);
tvUserName = findViewById(R.id.tv_user_name_detail);
sendKomentar = findViewById(R.id.btn_send_komen);
progressDialog = new ProgressDialog(this);
progressDialog.setMessage("Mohon Tunggu...");
presenter = new AddCommentPresenter(this);
edtComment = findViewById(R.id.edt_comment);
fabShare = findViewById(R.id.fab_share);

Intent intent = getIntent();
id = intent.getIntExtra("id", 0);
user_id = intent.getStringExtra("user_id");
judul = intent.getStringExtra("judul");
deskripsi = intent.getStringExtra("deskripsi");
gambar = intent.getStringExtra("gambar");
tanggal = intent.getStringExtra("tanggal");
user_image = intent.getStringExtra("user_image");

komentarPresenter = new KomentarPresenter(this);
komentarPresenter.getKomentar(id);

addPostPresenter = new AddPostPresenter(this);

toolbar.setTitle(judul);
toolbarLayout.setTitle(judul);

tvUserName.setText(user_id);
tvDeskripsi.setText(deskripsi);
tvTanggal.setText(tanggal);
try {
    Picasso.get().load(gambar)
        .error(R.drawable.ic_person_black_100dp)
        .into(ivImagePostDetail);

    Picasso.get().load(user_image)
        .error(R.drawable.ic_person_black_100dp)
        .into(ivUserImage);
} catch (Exception e) {
    e.printStackTrace();
}

recyclerViewKomen = findViewById(R.id.recycler_view_komen);
recyclerViewKomen.setLayoutManager(new LinearLayoutManager(thi
s));

```

```

        sendKomentar.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if (!edtComment.getText().toString().isEmpty()) {
                    kirimKomentar();
                }
            }
        });

        swipeRefreshKomentar.setOnRefreshListener(() -
> komentarPresenter.getKomentar(id));

        fabShare.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent sharingIntent = new Intent(android.content.Inte
nt.ACTION_SEND);
                sharingIntent.setType("text/plain");
                String shareBody = "Halo Gardeners! Ayo download Banya
n, " + user_id + " berbagi pengalamannya lho!";
                sharingIntent.putExtra(android.content.Intent.EXTRA_SU
BJECT, "Banyan ;)");
                sharingIntent.putExtra(android.content.Intent.EXTRA_TE
XT, shareBody);
                startActivity(Intent.createChooser(sharingIntent, "Sha
re via"));
            }
        });

    }

    private void kirimKomentar() {
        presenter.postKomentar(id,
            MainActivity.getId,
            edtComment.getText().toString()
        );
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.toolbar_detailpost_menu, menu
);

        toolbarMenu = menu;

        menuDelete = toolbarMenu.findItem(R.id.menu_delete);
        menuEdit = toolbarMenu.findItem(R.id.menu_edit);

```



```

        invalidateOptionsMenu();
        if (user_id.equals(MainActivity.name)) {
            menuDelete.setVisible(true);
            menuEdit.setVisible(true);
        } else {
            menuDelete.setVisible(false);
            menuEdit.setVisible(false);
        }

        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Intent intent = new Intent(DetailPostActivity.this, MainActivity.class);
        // intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP | Intent.FLAG_ACTIVITY_NEW_TASK);
        AlertDialog.Builder alertDialog = new AlertDialog.Builder(this);

        switch (item.getItemId()) {
            case android.R.id.home:
                // kembali ke Main Menu
                // startActivity(intent);
                finish();
                return true;

            case R.id.menu_delete:
                alertDialog.setTitle("Konfirmasi");
                alertDialog.setMessage("Anda yakin akan menghapus?");
                alertDialog.setPositiveButton("Ya", new DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialogInterface, int i) {
                        addPostPresenter.deleteKonten(id);
                    }
                });
                alertDialog.setNegativeButton("Batal", (dialog, which) -> dialog.dismiss());

                alertDialog.show();
                return true;

            case R.id.menu_edit:
                alertDialog.setTitle("Konfirmasi");
                alertDialog.setMessage("Yakin untuk mengedit?");

```

```

        alertDialog.setPositiveButton("Ya", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int i) {
                Intent toEdit = new Intent(DetailPostActivity.this, AddPostActivity.class);
                toEdit.putExtra("id", id);
                toEdit.putExtra("judul", judul);
                toEdit.putExtra("deskripsi", deskripsi);
                toEdit.putExtra("gambar", gambar);
                startActivity(toEdit);
                finish();
            }
        });
        alertDialog.setNegativeButton("Batal", (dialog, which) -> dialog.dismiss());

        alertDialog.show();
        return true;

        default:
            return super.onOptionsItemSelected(item);
    }
}

@Override
public void showProgress() {
    swipeRefreshKomentar.setRefreshing(true);
}

@Override
public void hideProgress() {
    swipeRefreshKomentar.setRefreshing(false);
}

@Override
public void onRequestPostSuccess(String message) {
    Intent intent = new Intent(DetailPostActivity.this, MainActivity.class);
    intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP | Intent.FLAG_ACTIVITY_NEW_TASK);
    startActivity(intent);
    finish();
}

@Override
public void onRequestPostError(String message) {

```

```

        Toast.makeText(this, "Error Deleting Post", Toast.LENGTH_SHORT
).show();
    }

    @Override
    public void onRequestSuccess(String message) {
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
        edtComment.setText("");
        komentarPresenter.getKomentar(id);
    }

    @Override
    public void onRequestError(String message) {
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
        Toast.makeText(this, "Error", Toast.LENGTH_SHORT).show();
    }

    @Override
    public void showKomentarProgress() {
        swipeRefreshKomentar.setRefreshing(true);
    }

    @Override
    public void hideKomentarProgress() {
        swipeRefreshKomentar.setRefreshing(false);
    }

    @Override
    public void onRequestKomentarSuccess(List<Komentar> komentar) {
        komentarAdapter = new KomentarAdapter(this, komentar);
        komentarAdapter.notifyDataSetChanged();
        recyclerViewKomen.setAdapter(komentarAdapter);
        this.komentars = komentar;
    }

    @Override
    public void onRequestKomentarError(String message) {
        Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
    }

    @Override
    public void onPointerCaptureChanged(boolean hasCapture) {
    }
}

```

File 21. DetailRekomendasiTanamanActivity.java

```

package com.bintang.banyan.Activity.DetailRekomendasiTanaman;

```

```

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.R;
import com.squareup.picasso.Picasso;

public class DetailRekomendasiTanamanActivity extends AppCompatActivity implements AddTanamanView {

    TextView tvNamaLatin, tvDeskripsi, tvJenis, tvKetinggian, tvTanah,
    tvSuhu, tvPh, tvKelembapan, tvTekanan, tvLahan, tvAir;
    ImageView ivGambar;
    Button btnTanam;
    int id;
    String nama, nama_latin, deskripsi, jenis, ketinggian, tanah, suhu
, ph, kelembapan, tekanan, lahan, air, gambar;
    AddTanamanPresenter tanamanPresenter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_detail_rekomendasi_tanaman);
        Toolbar rekomendasiToolbar = findViewById(R.id.detail_rekomend
asi_toolbar);
        setSupportActionBar(rekomendasiToolbar);
        if (getSupportActionBar() != null) {
            getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        }

        tvNamaLatin = findViewById(R.id.tv_nama_latin_rekomendasi_tana
man);
        tvDeskripsi = findViewById(R.id.tv_deskripsi_rekomendasi_tanam
an);
        tvJenis = findViewById(R.id.tv_jenis_rekomendasi_tanaman);
        tvKetinggian = findViewById(R.id.tv_ketinggian_rekomendasi_tan
aman);
        tvTanah = findViewById(R.id.tv_tanah_rekomendasi_tanaman);
        tvSuhu = findViewById(R.id.tv_suhu_rekomendasi_tanaman);

```

```

tvPh = findViewById(R.id.tv_ph_rekomendasi_tanaman);
tvKelembapan = findViewById(R.id.tv_kelembapan_rekomendasi_tan
aman);
tvTekanan = findViewById(R.id.tv_tekanan_rekomendasi_tanaman);
tvLahan = findViewById(R.id.tv_lahan_rekomendasi_tanaman);
tvAir = findViewById(R.id.tv_air_rekomendasi_tanaman);
ivGambar = findViewById(R.id.iv_gambar_rekomendasi_tanaman);
btnTanam = findViewById(R.id.btn_tanam_rekomendasi_tanaman);

Intent intent = getIntent();
id = intent.getIntExtra("id", 0);
nama = intent.getStringExtra("nama");
nama_latin = intent.getStringExtra("nama_latin");
deskripsi = intent.getStringExtra("deskripsi");
jenis = intent.getStringExtra("jenis");
ketinggian = intent.getStringExtra("ketinggian");
tanah = intent.getStringExtra("tanah");
suhu = intent.getStringExtra("suhu");
ph = intent.getStringExtra("ph");
kelembapan = intent.getStringExtra("kelembapan");
tekanan = intent.getStringExtra("tekanan");
lahan = intent.getStringExtra("lahan");
air = intent.getStringExtra("air");
gambar = intent.getStringExtra("gambar");

rekomendasiToolbar.setTitle(nama);
getSupportActionBar().setTitle(nama);
tvNamaLatin.setText(nama_latin);
tvDeskripsi.setText(deskripsi);
tvJenis.setText(jenis);
tvKetinggian.setText(ketinggian);
tvTanah.setText(tanah);
tvSuhu.setText(suhu);
tvPh.setText(ph);
tvKelembapan.setText(kelembapan);
tvTekanan.setText(tekanan);
tvLahan.setText(lahan);
tvAir.setText(air);
try {
    Picasso.get().load(gambar)
        .error(R.drawable.ic_plant)
        .into(ivGambar);
} catch (Exception e) {
    e.printStackTrace();
}
tanamanPresenter = new AddTanamanPresenter(this);

btnTanam.setOnClickListener(new View.OnClickListener() {

```

```

        @Override
        public void onClick(View v) {
            tanamanPresenter.tambahTanaman(MainActivity.getId, id)
;
        }
    });
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    switch (item.getItemId()) {
        case android.R.id.home:
            // kembali ke Main Menu
            finish();
            return true;

        default:
            return super.onOptionsItemSelected(item);
    }
}

@Override
public void onRequestAddTanamanSuccess(String message) {
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
    // kembali ke Main Menu

    Intent intent = new Intent(DetailRekomendasiTanamanActivity.this, MainActivity.class);
    intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP | Intent.FLAG_ACTIVITY_NEW_TASK);
    startActivity(intent);
    finish();
}

@Override
public void onRequestError(String message) {
    Toast.makeText(this, "Error Tambah Tanaman:" + message, Toast.LENGTH_SHORT).show();
}
}
}

```

File 22. DetailTanamanActivity.java

```

package com.bintang.banyan.Activity.DetailTanaman;

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;

```

```
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.CardView;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.support.v7.widget.Toolbar;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.JsonObjectRequest;
import com.android.volley.toolbox.Volley;
import com.bintang.banyan.Activity.DetailRekomendasiTanaman.DetailReko
mendasiTanamanActivity;
import com.bintang.banyan.Activity.DetailTanaman.Catatan.CatatanAdapte
r;
import com.bintang.banyan.Activity.DetailTanaman.Catatan.CatatanPresen
ter;
import com.bintang.banyan.Activity.DetailTanaman.Catatan.CatatanView;
import com.bintang.banyan.Activity.DetailTanaman.IotData.IotDataAdapte
r;
import com.bintang.banyan.Activity.DetailTanaman.IotData.RegDataPresen
ter;
import com.bintang.banyan.Activity.DetailTanaman.IotData.RegDataView;
import com.bintang.banyan.Model.Catatan;
import com.bintang.banyan.Model.IotData;
import com.bintang.banyan.R;

import org.json.JSONObject;

import java.text.ParseException;
import java.text.SimpleDateFormat;
import java.time.LocalDate;
import java.time.Period;
import java.util.Calendar;
import java.util.Date;
import java.util.List;

import static com.bintang.banyan.Activity.Main.MainActivity.getId;

public class DetailTanamanActivity extends AppCompatActivity implement
s TambahCatatanView, CatatanView, ReqDataView {
```

```

public static Toolbar toolbar;
RecyclerView recyclerViewCatatan;
CatatanPresenter catatanPresenter;
CatatanAdapter catatanAdapter;
private static String URL_READ = "https://bonbon28.000webhostapp.c
om/banyan/relay.php";
List<Catatan> catatans;
public RequestQueue queue;
SwipeRefreshLayout swipeRefreshCatatan;
CardView container_catatan;
IotDataAdapter iotDataAdapter;
TambahCatatanPresenter tambahCatatanPresenter;
EditText edtCatatan;
List<IotData> iotData;
Button btnSiram, btnPupuk, btnDetail, btnCatatan, btnSendCatatan,
btnLog;
ReqDataPresenter reqDataPresenter;
ProgressDialog progressDialog;
TextView tvNama, tvNamaLatin, tvUsia, tvCahaya, tvSuhu, tvLembabUd
ara, tvLembabTanah;
int id;
String nama, nama_latin, deskripsi, jenis, ketinggian, tanah, suhu
, ph, kelembapan, tekanan, lahan, air, gambar, tanggal;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_detail_tanaman);

    toolbar = findViewById(R.id.toolbar_tanaman);
    toolbar.setTitleMarginStart(20);
    setSupportActionBar(toolbar);

    getSupportActionBar().setDisplayHomeAsUpEnabled(true);
    getSupportActionBar().setDisplayShowHomeEnabled(true);

    catatanPresenter = new CatatanPresenter(this);
    reqDataPresenter = new ReqDataPresenter(this);
    tambahCatatanPresenter = new TambahCatatanPresenter(this);

    swipeRefreshCatatan = findViewById(R.id.swipe_refresh_catatan)
;
    progressDialog = new ProgressDialog(DetailTanamanActivity.this
);

    tvNama = findViewById(R.id.tv_nama_tanaman);
    tvNamaLatin = findViewById(R.id.tv_nama_latin_tanaman);
    tvUsia = findViewById(R.id.tv_usia_tanaman);

```



```

tvCahaya = findViewById(R.id.tv_cahaya);
tvSuhu = findViewById(R.id.tv_suhu);
tvLembabUdara = findViewById(R.id.tv_lembab_udara);
tvLembabTanah = findViewById(R.id.tv_lembab_tanah);

btnSiram = findViewById(R.id.btn_siram);
btnPupuk = findViewById(R.id.btn_pupuk);
btnDetail = findViewById(R.id.btn_detail);
btnLog = findViewById(R.id.btn_log);
btnCatatan = findViewById(R.id.btn_catatan);
btnSendCatatan = findViewById(R.id.btn_send_catatan);
container_catatan = findViewById(R.id.container_catatan_tanama
n);

edtCatatan = findViewById(R.id.edt_catatan);

Intent intent = getIntent();
id = intent.getIntExtra("id", 0);
nama = intent.getStringExtra("nama");
nama_latin = intent.getStringExtra("nama_latin");
deskripsi = intent.getStringExtra("deskripsi");
jenis = intent.getStringExtra("jenis");
ketinggian = intent.getStringExtra("ketinggian");
tanah = intent.getStringExtra("tanah");
suhu = intent.getStringExtra("suhu");
ph = intent.getStringExtra("ph");
kelembapan = intent.getStringExtra("kelembapan");
tekanan = intent.getStringExtra("tekanan");
lahan = intent.getStringExtra("lahan");
air = intent.getStringExtra("air");
gambar = intent.getStringExtra("gambar");
tanggal = intent.getStringExtra("date");

tvNama.setText(nama);
tvNamaLatin.setText(nama_latin);
String tgl = tanggal;
SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
Date d = null;
try {
    d = sdf.parse(tgl);
} catch (ParseException e) {
    e.printStackTrace();
}
Calendar c = Calendar.getInstance();
c.setTime(d);
int year = c.get(Calendar.YEAR);
int month = c.get(Calendar.MONTH) + 1;
int date = c.get(Calendar.DATE);

```

```

//      recyclerViewAdapter.tv_usia.setText(String.valueOf(year)+String
ving.valueOf(month)+String.valueOf(date));
    if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.O) {
        LocalDate l1 = LocalDate.of(year, month, date);
        LocalDate now = LocalDate.now();
        Period diff1 = Period.between(l1, now);
        String usia;
        if (diff1.getMonths() == 0 && diff1.getYears() == 0) {
            usia = String.valueOf(diff1.getDays());
        } else if (diff1.getMonths() > 0 && diff1.getYears() == 0)
        {
            usia = String.valueOf(diff1.getMonths() * 30 +
                diff1.getDays());
        } else if (diff1.getYears() > 0 && diff1.getMonths() == 0)
        {
            usia = (diff1.getYears() * 12 * 30 +
                diff1.getDays()) + " Hari";
        } else if (diff1.getYears() > 0 && diff1.getDays() == 0) {
            usia = String.valueOf(diff1.getYears() * 12 * 30);
        } else {
            usia = String.valueOf(diff1.getYears() * 12 * 30 +
                (diff1.getMonths() * 30) +
                diff1.getDays());
        }
        tvUsia.setText(usia);
    }

    int user_id = Integer.parseInt(getId);
    reqDataPresenter.reqDataIoT(user_id);
    catatanPresenter.getCatatan(id);

    swipeRefreshCatatan.setOnRefreshListener(() -
> catatanPresenter.getCatatan(id));
    swipeRefreshCatatan.setOnRefreshListener(() -
> reqDataPresenter.reqDataIoT(user_id));

    recyclerViewCatatan = findViewById(R.id.recycler_view_catatan)
;
    recyclerViewCatatan.setLayoutManager(new LinearLayoutManager(t
his));

    btnLog.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            recyclerViewCatatan.setAdapter(iotDataAdapter);
        }
    });
});

```

```

btnCatatan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if (container_catatan.getVisibility() == View.GONE) {
            container_catatan.setVisibility(View.VISIBLE);
        } else {
            container_catatan.setVisibility(View.GONE);
        }
    }
});

btnSendCatatan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        kirimCatatan();
    }
});

queue = Volley.newRequestQueue(this);
btnSiram.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        progressDialog.setMessage("Watering...");
        progressDialog.show();
        relayRequest(1);
    }
});

btnPupuk.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        progressDialog.setMessage("Fertilizing...");
        progressDialog.show();
        relayRequest(2);
    }
});

btnDetail.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        Intent toDetailTanaman = new Intent(DetailTanamanActiv
ity.this, DetailRekomendasiTanamanActivity.class);
        toDetailTanaman.putExtra("id", id);
        toDetailTanaman.putExtra("nama", nama);
        toDetailTanaman.putExtra("nama_latin", nama_latin);
        toDetailTanaman.putExtra("deskripsi", deskripsi);
        toDetailTanaman.putExtra("jenis", jenis);
    }
});

```

```

        toDetailTanaman.putExtra("ketinggian", ketinggian);
        toDetailTanaman.putExtra("tanah", tanah);
        toDetailTanaman.putExtra("suhu", suhu);
        toDetailTanaman.putExtra("ph", ph);
        toDetailTanaman.putExtra("kelembapan", kelembapan);
        toDetailTanaman.putExtra("tekanan", tekanan);
        toDetailTanaman.putExtra("lahan", lahan);
        toDetailTanaman.putExtra("air", air);
        toDetailTanaman.putExtra("gambar", gambar);
        startActivity(toDetailTanaman);
    }
});
}

@Override
public boolean onSupportNavigateUp() {
    onBackPressed();
    return true;
}

private void kirimCatatan() {
    tambahCatatanPresenter.postCatatan(id,
        getId,
        edtCatatan.getText().toString()
    );
}

public void relayRequest(int relay) {
    // prepare the Request
    String relay = "&relay_a=0&relay_b=0";
    if (relay == 1) {
        relay = "&relay_a=1&relay_b=0";
    } else if (relay == 2) {
        relay = "&relay_a=0&relay_b=1";
    }

    String url_minta = URL_READ + "?user_id=" + getId + relay;
    Toast.makeText(this, url_minta, Toast.LENGTH_SHORT).show();
    JSONObjectRequest getRequest = new JSONObjectRequest(Request.M
ethod.GET, url_minta, null,
        new Response.Listener<JSONObject>() {
            @Override
            public void onResponse(JSONObject response) {
                Toast.makeText(DetailTanamanActivity.this, res
ponse.toString(), Toast.LENGTH_SHORT).show();
            }
        },
        new Response.ErrorListener() {

```

```

        @Override
        public void onErrorResponse(VolleyError error) {
            Toast.makeText(DetailTanamanActivity.this, "Er
ror", Toast.LENGTH_SHORT).show();
        }
    }

    );

    // add it to the RequestQueue
    queue.add(getRequest);
    progressDialog.dismiss();

}

@Override
public void showProgress() {
    swipeRefreshCatatan.setRefreshing(true);
}

@Override
public void hideProgress() {
    swipeRefreshCatatan.setRefreshing(false);
}

@Override
public void onRequestIotDataSuccess(List<IotData> iotData) {
    Toast.makeText(this, "Request OKE: " + iotData.size(), Toast.L
LENGTH_SHORT).show();
    iotDataAdapter = new IotDataAdapter(this, iotData);
    iotDataAdapter.notifyDataSetChanged();
    this.iotData = iotData;
    IotData iotDataa = iotData.get(0);
    tvCahaya.setText(iotDataa.getCahaya());
    tvSuhu.setText(iotDataa.getSuhu());
    tvLembabUdara.setText(iotDataa.getLembab_udara());
    tvLembabTanah.setText(iotDataa.getLembab_tanah());
}

@Override
public void onRequestIotDataError(String message) {
    Toast.makeText(this, "Request ERROR" + message, Toast.LENGTH_S
HORT).show();
}

@Override
public void onRequestPostCatatanSuccess(String message) {

```

```

        edtCatatan.setText("");
        container_catatan.setVisibility(View.GONE);
    }

    @Override
    public void onRequestError(String message) {
        Toast.makeText(this, "Error: " + message, Toast.LENGTH_SHORT).
show();
    }

    @Override
    public void showCatatanProgress() {
        swipeRefreshCatatan.setRefreshing(true);
    }

    @Override
    public void hideCatatanProgress() {
        swipeRefreshCatatan.setRefreshing(false);
    }

    @Override
    public void onRequestCatatanSuccess(List<Catatan> catatan) {
        catatanAdapter = new CatatanAdapter(this, catatan);
        catatanAdapter.notifyDataSetChanged();
        recyclerViewCatatan.setAdapter(catatanAdapter);
        this.catatans = catatan;
    }

    @Override
    public void onRequestCatatanError(String message) {
        Toast.makeText(this, "Error" + message, Toast.LENGTH_SHORT).sh
ow();
    }
}

```

File 23. FiturWelcomeScreen.java

```

package com.bintang.banyan.Model;

public class FiturWelcomeScreen {
    private int image;
    private String title;
    private String desc;

    public FiturWelcomeScreen(int image, String title, String desc) {
        this.image = image;
        this.title = title;
        this.desc = desc;
    }
}

```

```

    }

    public int getImage() {
        return image;
    }

    public void setImage(int image) {
        this.image = image;
    }

    public String getTitle() {
        return title;
    }

    public void setTitle(String title) {
        this.title = title;
    }

    public String getDesc() {
        return desc;
    }

    public void setDesc(String desc) {
        this.desc = desc;
    }
}

```

File 24. HasilRekomendasiActivity.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun.HasilRe
komendasi;

import android.content.Intent;
import android.os.Bundle;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.support.v7.widget.Toolbar;
import android.widget.TextView;
import android.widget.Toast;

import com.bintang.banyan.Activity.DetailRekomendasiTanaman.DetailReko
mendasiTanamanActivity;
import com.bintang.banyan.Model.RekomendasiTanaman;
import com.bintang.banyan.R;

import java.text.SimpleDateFormat;
import java.util.Calendar;

```

```

import java.util.Date;
import java.util.List;

public class HasilRekomendasiActivity extends AppCompatActivity implements HasilRekomendasiView {
    public static Toolbar toolbar;
    public static RecyclerView rekomendasiRecyclerView;
    public static SwipeRefreshLayout rekomendasiSwipeRefresh;
    public static HasilRekomendasiAdapter.ItemClickListener rekomendasiItemClickListener;

    public int tanah, lahan, air;
    public String kota, provinsi, negara, zona, latitude, longitude, ketinggian, suhu, kelembapan, tekanan;
    public TextView tvTanggal, tvKota, tvProvinsiNegara, tvSuhu, tvLatLon, tvKetinggian, tvKelembapan, tvTekanan, tvTanah, tvLahan, tvAir;
    HasilRekomendasiPresenter hasilRekomendasiPresenter;
    HasilRekomendasiAdapter hasilRekomendasiAdapter;

    List<RekomendasiTanaman> rekomendasiTanaman;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_hasil_rekomendasi);

        toolbar = findViewById(R.id.toolbar_hasil_rekomendasi);
        toolbar.setTitleMarginStart(20);
        setSupportActionBar(toolbar);

        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setDisplayShowHomeEnabled(true);

        tvTanggal = findViewById(R.id.tv_tanggal_hasil);
        tvKota = findViewById(R.id.tv_kota_hasil);
        tvProvinsiNegara = findViewById(R.id.tv_provinsi_negara_hasil);

        tvSuhu = findViewById(R.id.tv_suhu_hasil);
        tvLatLon = findViewById(R.id.tv_lat_lon_hasil);
        tvKetinggian = findViewById(R.id.tv_ketinggian_hasil);
        tvKelembapan = findViewById(R.id.tv_kelembapan_hasil);
        tvTekanan = findViewById(R.id.tv_tekanan_hasil);
        tvTanah = findViewById(R.id.tv_struktur_tanah_hasil);
        tvLahan = findViewById(R.id.tv_lahan_hasil);
        tvAir = findViewById(R.id.tv_air_hasil);

        Date today = Calendar.getInstance().getTime();//getting date
        SimpleDateFormat formatter = new SimpleDateFormat("E, dd MMM yyy z");//formatting according to my need

```



```

String date = formatter.format(today);

Intent intent = getIntent();
kota = intent.getStringExtra("kota");
provinsi = intent.getStringExtra("provinsi");
negara = intent.getStringExtra("negara");
zona = intent.getStringExtra("zona");
latitude = intent.getStringExtra("latitude");
longitude = intent.getStringExtra("longitude");
latitude = latitude.substring(0, 10);
longitude = longitude.substring(0, 10);
ketinggian = intent.getStringExtra("ketinggian");
suhu = intent.getStringExtra("suhu");
kelembapan = intent.getStringExtra("kelembapan");
tekanan = intent.getStringExtra("tekanan");
tanah = intent.getIntExtra("tanah", 0);
lahan = intent.getIntExtra("lahan", 0);
air = intent.getIntExtra("air", 0);

tvTanggal.setText(date);
tvKota.setText(kota);
tvProvinsiNegara.setText(provinsi + ", " + negara);
tvSuhu.setText(suhu + " C");
tvLatLon.setText(latitude + ", " + longitude);
tvKetinggian.setText(ketinggian);
tvKelembapan.setText(kelembapan);
tvTekanan.setText(tekanan);
String[] lahanArray = getResources().getStringArray(R.array.ke
tersediaan_lahan);
String[] tanahArray = getResources().getStringArray(R.array.st
ruktur_tanah);
String[] airArray = getResources().getStringArray(R.array.peng
airan);
tvLahan.setText(lahanArray[lahan]);
tvTanah.setText(tanahArray[tanah]);
tvAir.setText(airArray[air]);
//     tvLahan.setText(String.valueOf(lahan));
//     tvTanah.setText(String.valueOf(tanah));
//     tvAir.setText(String.valueOf(air));

rekomendasiSwipeRefresh = findViewById(R.id.swipe_refresh_hasi
1);
hasilRekomendasiPresenter = new HasilRekomendasiPresenter(this
);
hasilRekomendasiPresenter.getRekomendasiTanaman(ketinggian, su
hu, kelembapan, tekanan, String.valueOf(tanah), String.valueOf(lahan),
String.valueOf(air));

```

```

        rekomendasiRecyclerView = findViewById(R.id.recyclerview_tanam_
man_hasil);
        rekomendasiRecyclerView.setLayoutManager(new LinearLayoutManag
er(this));

        rekomendasiSwipeRefresh.setOnRefreshListener(() -
> hasilRekomendasiPresenter.getRekomendasiTanaman(ketinggian, suhu, ke
lembapan, tekanan, String.valueOf(tanah), String.valueOf(lahan), Strin
g.valueOf(air)));
        rekomendasiItemClickListener = ((view, position) ->
        {
            int id = rekomendasiTanaman.get(position).getId();
            String nama = rekomendasiTanaman.get(position).getNama();
            String nama_latin = rekomendasiTanaman.get(position).getNa
ma_latin();
            String deskripsi = rekomendasiTanaman.get(position).getDes
kripsi();
            String jenis = rekomendasiTanaman.get(position).getJenis()
;
            String ketinggian = rekomendasiTanaman.get(position).getKe
tinggian();
            String struktur_tanah = rekomendasiTanaman.get(position).g
etTanah();
            String suhu = rekomendasiTanaman.get(position).getSuhu();
            String ph = rekomendasiTanaman.get(position).getPh();
            String kelembapan = rekomendasiTanaman.get(position).getKe
lembapan();
            String tekanan = rekomendasiTanaman.get(position).getTekan
an();
            String lahan = rekomendasiTanaman.get(position).getLahan()
;
            String air = rekomendasiTanaman.get(position).getAir();
            String gambar = rekomendasiTanaman.get(position).getGambar
());

            Intent toDetailTanaman = new Intent(this, DetailRekomendas
iTanamanActivity.class);
            toDetailTanaman.putExtra("id", id);
            toDetailTanaman.putExtra("nama", nama);
            toDetailTanaman.putExtra("nama_latin", nama_latin);
            toDetailTanaman.putExtra("deskripsi", deskripsi);
            toDetailTanaman.putExtra("jenis", jenis);
            toDetailTanaman.putExtra("ketinggian", ketinggian);
            toDetailTanaman.putExtra("tanah", struktur_tanah);
            toDetailTanaman.putExtra("suhu", suhu);
            toDetailTanaman.putExtra("ph", ph);
            toDetailTanaman.putExtra("kelembapan", kelembapan);
            toDetailTanaman.putExtra("tekanan", tekanan);

```

```

        toDetailTanaman.putExtra("lahan", lahan);
        toDetailTanaman.putExtra("air", air);
        toDetailTanaman.putExtra("gambar", gambar);
        startActivity(toDetailTanaman);
    });
}

@Override
public boolean onSupportNavigateUp() {
    onBackPressed();
    return true;
}

@Override
public void showLoading() {
    rekomendasiSwipeRefresh.setRefreshing(true);
}

@Override
public void hideLoading() {
    rekomendasiSwipeRefresh.setRefreshing(false);
}

@Override
public void onGetRekomendasiResult(List<RekomendasiTanaman> tanaman) {
    hasilRekomendasiAdapter = new HasilRekomendasiAdapter(this, tanaman, rekomendasiItemClickListener);

    hasilRekomendasiAdapter.notifyDataSetChanged();
    rekomendasiRecyclerView.setAdapter(hasilRekomendasiAdapter);
    this.rekomendasiTanaman = tanaman;
}

@Override
public void onErrorLoading(String message) {
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show();
}
}

```

File 25. HasilRekomendasiAdapter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun.HasilRekomendasi;

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v7.widget.CardView;

```

```

import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import com.bintang.banyan.Model.RekomendasiTanaman;
import com.bintang.banyan.R;

import java.util.List;

public class HasilRekomendasiAdapter extends RecyclerView.Adapter<HasilRekomendasiAdapter.RecyclerViewAdapter> {
    private Context context;
    private List<RekomendasiTanaman> rekomendasiTanaman;
    private ItemClickListener rekomendasiItemClickListener;

    public HasilRekomendasiAdapter(Context context, List<RekomendasiTanaman> rekomendasiTanaman, ItemClickListener rekomendasiItemClickListener) {
        this.context = context;
        this.rekomendasiTanaman = rekomendasiTanaman;
        this.rekomendasiItemClickListener = rekomendasiItemClickListener;
    }

    @NonNull
    @Override
    public RecyclerViewAdapter onCreateViewHolder(@NonNull ViewGroup viewGroup, int i) {
        View view = LayoutInflater.from(context).inflate(R.layout.item_tanaman, viewGroup, false);

        return new RecyclerViewAdapter(view, rekomendasiItemClickListener);
    }

    @Override
    public void onBindViewHolder(@NonNull RecyclerViewAdapter recyclerViewAdapter, int i) {
        RekomendasiTanaman rekomendasiTanaman = this.rekomendasiTanaman.get(i);

        recyclerViewAdapter.tvNama.setText(rekomendasiTanaman.getNama());
        recyclerViewAdapter.tvNamaLatin.setText(rekomendasiTanaman.getNama_latin());
    }
}

```

```

        recyclerViewAdapter.tvJenis.setText(rekomendasiTanaman.getJenis());
    }

    @Override
    public int getItemCount() {
        return rekomendasiTanaman.size();
    }

    public interface ItemClickListener {
        void onItemClick(View view, int position);
    }

    public class RecyclerViewAdapter extends RecyclerView.ViewHolder implements View.OnClickListener {

        TextView tvNama, tvJenis, tvNamaLatin;

        CardView card_item;
        ItemClickListener itemClickListener;

        RecyclerViewAdapter(View itemView, ItemClickListener itemClickListener) {
            super(itemView);

            tvNama = itemView.findViewById(R.id.item_nama_tanaman);
            tvJenis = itemView.findViewById(R.id.item_jenis_tanaman);
            tvNamaLatin = itemView.findViewById(R.id.item_nama_latin_tanaman);

            card_item = itemView.findViewById(R.id.card_item);

            this.itemClickListener = itemClickListener;
            card_item.setOnClickListener(this);
        }

        @Override
        public void onClick(View view) {
            itemClickListener.onItemClick(view, getAdapterPosition());
        }
    }
}

```

File 26. HasilRekomendasiPresenter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun.HasilRekomendasi;

```

```

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.RekomendasiTanaman;

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class HasilRekomendasiPresenter {
    private HasilRekomendasiView view;

    public HasilRekomendasiPresenter(HasilRekomendasiView view) {
        this.view = view;
    }

    void getRekomendasiTanaman(String ketinggian, String suhu, String
kelembapan, String tekanan, String struktur_tanah, String lahan, Strin
g air) {
        view.showLoading();
        //Request to server
        ApiInterface apiInterface = ApiClient.getApiClient().create(Ap
iInterface.class);
        Call<List<RekomendasiTanaman>> call = apiInterface.getRekomend
asiTanaman(ketinggian, suhu, kelembapan, tekanan, struktur_tanah, laha
n, air);

        call.enqueue(new Callback<List<RekomendasiTanaman>>() {
            @Override
            public void onResponse(@NonNull Call<List<RekomendasiTanam
an>> call, @NonNull Response<List<RekomendasiTanaman>> response) {
                view.hideLoading();
                if (response.isSuccessful() && response.body() != null
) {
                    view.onGetRekomendasiResult(response.body());
                }
            }

            @Override
            public void onFailure(@NonNull Call<List<RekomendasiTanama
n>> call, @NonNull Throwable t) {
                view.hideLoading();
                view.onErrorLoading(t.getLocalizedMessage());
            }
        });
    }
}

```

```
}  
  
}
```

File 27. HasilRekomendasiView.java

```
package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun.HasilRe  
komendasi;  
  
import com.bintang.banyan.Model.RekomendasiTanaman;  
  
import java.util.List;  
  
public interface HasilRekomendasiView {  
    void showLoading();  
  
    void hideLoading();  
  
    void onGetRekomendasiResult(List<RekomendasiTanaman> tanaman);  
  
    void onErrorLoading(String message);  
}
```

File 28. ImagePickerActivity.java

```
package com.bintang.banyan.Activity.AddPost;  
  
import android.Manifest;  
import android.app.Activity;  
import android.content.ContentResolver;  
import android.content.Context;  
import android.content.Intent;  
import android.database.Cursor;  
import android.net.Uri;  
import android.os.Bundle;  
import android.provider.MediaStore;  
import android.provider.OpenableColumns;  
import android.support.v4.content.ContextCompat;  
import android.support.v7.app.AlertDialog;  
import android.support.v7.app.AppCompatActivity;  
import android.util.Log;  
import android.widget.Toast;  
  
import com.bintang.banyan.R;  
import com.karumi.dexter.Dexter;  
import com.karumi.dexter.MultiplePermissionsReport;  
import com.karumi.dexter.PermissionToken;  
import com.karumi.dexter.listener.PermissionRequest;  
import com.karumi.dexter.listener.multi.MultiplePermissionsListener;  
import com.yalantis.ucrop.UCrop;
```

```

import java.io.File;
import java.util.List;

import static android.support.v4.content.FileProvider.getUriForFile;

public class ImagePickerActivity extends AppCompatActivity {
    public static final String INTENT_IMAGE_PICKER_OPTION = "image_picker_option";
    public static final String INTENT_ASPECT_RATIO_X = "aspect_ratio_x";
    public static final String INTENT_ASPECT_RATIO_Y = "aspect_ratio_y";
    public static final String INTENT_LOCK_ASPECT_RATIO = "lock_aspect_ratio";
    public static final String INTENT_IMAGE_COMPRESSION_QUALITY = "compression_quality";
    public static final String INTENT_SET_BITMAP_MAX_WIDTH_HEIGHT = "set_bitmap_max_width_height";
    public static final String INTENT_BITMAP_MAX_WIDTH = "max_width";
    public static final String INTENT_BITMAP_MAX_HEIGHT = "max_height";
    ;
    public static final int REQUEST_IMAGE_CAPTURE = 0;
    public static final int REQUEST_GALLERY_IMAGE = 1;
    private static final String TAG = ImagePickerActivity.class.getSimpleName();
    public static String fileName;
    private boolean lockAspectRatio = false, setBitmapMaxWidthHeight = false;
    private int ASPECT_RATIO_X = 16, ASPECT_RATIO_Y = 9, bitmapMaxWidth = 1000, bitmapMaxHeight = 1000;
    private int IMAGE_COMPRESSION = 80;

    public static void showImagePickerOptions(Context context, PickerOptionListener listener) {
        // setup the alert builder
        AlertDialog.Builder builder = new AlertDialog.Builder(context);
        ;
        builder.setTitle(context.getString(R.string.lbl_set_profile_photo));

        // add a list
        String[] animals = {context.getString(R.string.lbl_take_camera_picture), context.getString(R.string.lbl_choose_from_gallery)};
        builder.setItems(animals, (dialog, which) -> {
            switch (which) {
                case 0:
                    listener.onTakeCameraSelected();
            }
        });
    }
}

```



```

        break;
    case 1:
        listener.onChooseGallerySelected();
        break;
    }
});

// create and show the alert dialog
AlertDialog dialog = builder.create();
dialog.show();
}

private static String queryName(ContentResolver resolver, Uri uri)
{
    Cursor returnCursor =
        resolver.query(uri, null, null, null, null);
    assert returnCursor != null;
    int nameIndex = returnCursor.getColumnIndex(OpenableColumns.DISPLAY_NAME);
    returnCursor.moveToFirst();
    String name = returnCursor.getString(nameIndex);
    returnCursor.close();
    return name;
}

/**
 * Calling this will delete the images from cache directory
 * useful to clear some memory
 */
public static void clearCache(Context context) {
    File path = new File(context.getExternalCacheDir(), "camera");
    if (path.exists() && path.isDirectory()) {
        for (File child : path.listFiles()) {
            child.delete();
        }
    }
}

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_image_picker);

    Intent intent = getIntent();
    if (intent == null) {
        Toast.makeText(getApplicationContext(), getString(R.string.toast_image_intent_null), Toast.LENGTH_LONG).show();
        return;
    }
}

```

```

    }

    ASPECT_RATIO_X = intent.getIntExtra(INTENT_ASPECT_RATIO_X, ASP
ECT_RATIO_X);
    ASPECT_RATIO_Y = intent.getIntExtra(INTENT_ASPECT_RATIO_Y, ASP
ECT_RATIO_Y);
    IMAGE_COMPRESSION = intent.getIntExtra(INTENT_IMAGE_COMPRESSIO
N_QUALITY, IMAGE_COMPRESSION);
    lockAspectRatio = intent.getBooleanExtra(INTENT_LOCK_ASPECT_RA
TIO, false);
    setBitmapMaxWidthHeight = intent.getBooleanExtra(INTENT_SET_BI
TMAP_MAX_WIDTH_HEIGHT, false);
    bitmapMaxWidth = intent.getIntExtra(INTENT_BITMAP_MAX_WIDTH, b
itmapMaxWidth);
    bitmapMaxHeight = intent.getIntExtra(INTENT_BITMAP_MAX_HEIGHT,
bitmapMaxHeight);

    int requestCode = intent.getIntExtra(INTENT_IMAGE_PICKER_OPTIO
N, -1);
    if (requestCode == REQUEST_IMAGE_CAPTURE) {
        takeCameraImage();
    } else {
        chooseImageFromGallery();
    }
}

private void takeCameraImage() {
    Dexter.withActivity(this)
        .withPermissions(Manifest.permission.CAMERA, Manifest.
permission.WRITE_EXTERNAL_STORAGE)
        .withListener(new MultiplePermissionsListener() {
            @Override
            public void onPermissionsChecked(MultiplePermissio
nsReport report) {
                if (report.areAllPermissionsGranted()) {
                    fileName = System.currentTimeMillis() + ".
jpg";
                    Intent takePictureIntent = new Intent(Medi
aStore.ACTION_IMAGE_CAPTURE);
                    takePictureIntent.putExtra(MediaStore.EXTR
A_OUTPUT, getCacheImagePath(fileName));
                    if (takePictureIntent.resolveActivity(getP
ackageManager()) != null) {
                        startActivityForResult(takePictureInte
nt, REQUEST_IMAGE_CAPTURE);
                    }
                }
            }
        })
}

```

```

        @Override
        public void onPermissionRationaleShouldBeShown(List<PermissionRequest> permissions, PermissionToken token) {
            token.continuePermissionRequest();
        }
    }).check();
}

private void chooseImageFromGallery() {
    Dexter.withActivity(this)
        .withPermissions(Manifest.permission.CAMERA, Manifest.permission.WRITE_EXTERNAL_STORAGE)
        .withListener(new MultiplePermissionsListener() {
            @Override
            public void onPermissionsChecked(MultiplePermissionsReport report) {
                if (report.areAllPermissionsGranted()) {
                    Intent pickPhoto = new Intent(Intent.ACTION_PICK,
                                                    android.provider.MediaStore.Images
                                                    .Media.EXTERNAL_CONTENT_URI);
                    startActivityForResult(pickPhoto, REQUEST_GALLERY_IMAGE);
                }
            }
        })
        @Override
        public void onPermissionRationaleShouldBeShown(List<PermissionRequest> permissions, PermissionToken token) {
            token.continuePermissionRequest();
        }
    }).check();
}

protected void onActivityResult(int requestCode, int resultCode, Intent data) {
    switch (requestCode) {
        case REQUEST_IMAGE_CAPTURE:
            if (resultCode == RESULT_OK) {
                cropImage(getCacheImagePath(fileName));
            } else {
                setResultCancelled();
            }
            break;
        case REQUEST_GALLERY_IMAGE:
            if (resultCode == RESULT_OK) {

```

```

        Uri imageUri = data.getData();
        cropImage(imageUri);
    } else {
        setResultCancelled();
    }
    break;
case UCrop.REQUEST_CROP:
    if (resultCode == RESULT_OK) {
        handleUCropResult(data);
    } else {
        setResultCancelled();
    }
    break;
case UCrop.RESULT_ERROR:
    final Throwable cropError = UCrop.getError(data);
    Log.e(TAG, "Crop error: " + cropError);
    setResultCancelled();
    break;
default:
    setResultCancelled();
}
}

private void cropImage(Uri sourceUri) {
    Uri destinationUri = Uri.fromFile(new File(getCacheDir(), queryName(getContentResolver(), sourceUri)));
    UCrop.Options options = new UCrop.Options();
    options.setCompressionQuality(IMAGE_COMPRESSION);
    options.setToolbarColor(ContextCompat.getColor(this, R.color.colorPrimary));
    options.setStatusBarColor(ContextCompat.getColor(this, R.color.colorPrimary));
    options.setActiveWidgetColor(ContextCompat.getColor(this, R.color.colorPrimary));

    if (lockAspectRatio)
        options.withAspectRatio(ASPECT_RATIO_X, ASPECT_RATIO_Y);

    if (setBitmapMaxWidthHeight)
        options.withMaxResultSize(bitmapMaxWidth, bitmapMaxHeight);

    UCrop.of(sourceUri, destinationUri)
        .withOptions(options)
        .start(this);
}

private void handleUCropResult(Intent data) {

```

```

        if (data == null) {
            setResultCancelled();
            return;
        }
        final Uri resultUri = UCrop.getOutput(data);
        setResultOk(resultUri);
    }

    private void setResultOk(Uri imagePath) {
        Intent intent = new Intent();
        intent.putExtra("path", imagePath);
        setResult(Activity.RESULT_OK, intent);
        finish();
    }

    private void setResultCancelled() {
        Intent intent = new Intent();
        setResult(Activity.RESULT_CANCELED, intent);
        finish();
    }

    private Uri getCacheImagePath(String fileName) {
        File path = new File(getExternalCacheDir(), "camera");
        if (!path.exists()) path.mkdirs();
        File image = new File(path, fileName);
        return getUriForFile(ImagePickerActivity.this, getPackageName(
) + ".provider", image);
    }

    public interface PickerOptionListener {
        void onTakeCameraSelected();

        void onChooseGallerySelected();
    }
}

```

File 29. IotData.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class IotData {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("user_id")

```

```
private String user_id;
@Expose
@SerializedName("cahaya")
private String cahaya;
@Expose
@SerializedName("suhu")
private String suhu;
@Expose
@SerializedName("lembab_udara")
private String lembab_udara;
@Expose
@SerializedName("lembab_tanah")
private String lembab_tanah;
@Expose
@SerializedName("date")
private String date;
@Expose
@SerializedName("success")
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public String getUser_id() {
    return user_id;
}

public void setUser_id(String user_id) {
    this.user_id = user_id;
}

public String getCahaya() {
    return cahaya;
}

public void setCahaya(String cahaya) {
    this.cahaya = cahaya;
}

public String getSuhu() {
```

```

        return suhu;
    }

    public void setSuhu(String suhu) {
        this.suhu = suhu;
    }

    public String getLembab_udara() {
        return lembab_udara;
    }

    public void setLembab_udara(String lembab_udara) {
        this.lembab_udara = lembab_udara;
    }

    public String getLembab_tanah() {
        return lembab_tanah;
    }

    public void setLembab_tanah(String lembab_tanah) {
        this.lembab_tanah = lembab_tanah;
    }

    public String getDate() {
        return date;
    }

    public Boolean getSuccess() {
        return success;
    }

    public void setSuccess(Boolean success) {
        this.success = success;
    }

    public String getMessage() {
        return message;
    }

    public void setMessage(String message) {
        this.message = message;
    }
}

```

File 30. IotDataAdapter.java

```

package com.bintang.banyan.Activity.DetailTanaman.IotData;

import android.content.Context;

```

```

import android.support.annotation.NonNull;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import com.bintang.banyan.Model.IotData;
import com.bintang.banyan.R;

import java.util.List;

public class IotDataAdapter extends RecyclerView.Adapter<IotDataAdapter.
RecyclerViewAdapter> {

    private Context context;
    private List<IotData> iotData;

    public IotDataAdapter(Context context, List<IotData> iotData) {
        this.context = context;
        this.iotData = iotData;
    }

    @NonNull
    @Override
    public RecyclerViewAdapter onCreateViewHolder(@NonNull ViewGroup v
iewGroup, int i) {
        View view = LayoutInflater.from(context).inflate(R.layout.item
_iot_data, viewGroup, false);

        return new RecyclerViewAdapter(view);
    }

    @Override
    public void onBindViewHolder(@NonNull RecyclerViewAdapter recycler
ViewAdapter, int i) {
        IotData iotDataa = iotData.get(i);

        recyclerViewAdapter.tv_cahaya.setText(iotDataa.getCahaya());
        recyclerViewAdapter.tv_suhu.setText(iotDataa.getSuhu());
        recyclerViewAdapter.tv_lembab_udara.setText(iotDataa.getLembab
_udara());
        recyclerViewAdapter.tv_lembab_tanah.setText(iotDataa.getLembab
_tanah());
        recyclerViewAdapter.tv_date.setText(iotDataa.getDate());
    }

    @Override

```



```

public int getItemCount() {
    return iotData.size();
}

public class RecyclerViewAdapter extends RecyclerView.ViewHolder {

    TextView tv_cahaya, tv_suhu, tv_lembab_udara, tv_lembab_tanah,
tv_date;

    RecyclerViewAdapter(View itemView) {
        super(itemView);

        tv_cahaya = itemView.findViewById(R.id.item_cahaya_iot);
        tv_suhu = itemView.findViewById(R.id.item_suhu_iot);
        tv_lembab_udara = itemView.findViewById(R.id.item_lembab_u
dara_iot);
        tv_lembab_tanah = itemView.findViewById(R.id.item_lembab_t
anah_iot);
        tv_date = itemView.findViewById(R.id.item_date_iotdata);

    }

}
}
}

```

File 31. Komentar.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class Komentar {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("post_id")
    private String post_id;
    @Expose
    @SerializedName("user_id")
    private String user_id;
    @Expose
    @SerializedName("komentar")
    private String komentar;
    @Expose
    @SerializedName("date")

```

```
private String date;
@Expose
@SerializedName("success")
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public String getPost_id() {
    return post_id;
}

public void setPost_id(String post_id) {
    this.post_id = post_id;
}

public String getUser_id() {
    return user_id;
}

public void setUser_id(String user_id) {
    this.user_id = user_id;
}

public String getKomentar() {
    return komentar;
}

public void setKomentar(String komentar) {
    this.komentar = komentar;
}

public String getDate() {
    return date;
}

public void setDate(String date) {
    this.date = date;
}
```

```

    public Boolean getSuccess() {
        return success;
    }

    public void setSuccess(Boolean success) {
        this.success = success;
    }

    public String getMessage() {
        return message;
    }

    public void setMessage(String message) {
        this.message = message;
    }
}

```

File 32. KomentarAdapter.java

```

package com.bintang.banyan.Activity.DetailPost.Komentar;

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import com.bintang.banyan.Model.Komentar;
import com.bintang.banyan.R;

import java.util.List;

public class KomentarAdapter extends RecyclerView.Adapter<KomentarAdapter.RecyclerViewAdapter> {

    private Context context;
    private List<Komentar> komentars;

    public KomentarAdapter(Context context, List<Komentar> komentar) {
        this.context = context;
        this.komentars = komentar;
    }

    @NonNull
    @Override
    public RecyclerViewAdapter onCreateViewHolder(@NonNull ViewGroup viewGroup, int i) {

```

```

        View view = LayoutInflater.from(context).inflate(R.layout.item
_komentar, viewGroup, false);

        return new RecyclerViewAdapter(view);
    }

    @Override
    public void onBindViewHolder(@NonNull RecyclerViewAdapter recycler
ViewAdapter, int i) {
        Komentar komentar = komentars.get(i);
        recyclerViewAdapter.tv_username.setText(komentar.getUser_id());
;
        recyclerViewAdapter.tv_komentar.setText(komentar.getKomentar()
);
        recyclerViewAdapter.tv_date.setText(komentar.getDate());
    }

    @Override
    public int getItemCount() {
        return komentars.size();
    }

    public class RecyclerViewAdapter extends RecyclerView.ViewHolder {

        TextView tv_username, tv_komentar, tv_date;

        RecyclerViewAdapter(View itemView) {
            super(itemView);

            tv_username = itemView.findViewById(R.id.user_name_komenta
r);
            tv_komentar = itemView.findViewById(R.id.item_komentar);
            tv_date = itemView.findViewById(R.id.item_date_komentar);

        }

    }
}

```

File 33. KomentarPresenter.java

```

package com.bintang.banyan.Activity.DetailPost.Komentar;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.Komentar;

```

```

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class KomentarPresenter {
    private KomentarView view;

    public KomentarPresenter(KomentarView view) {
        this.view = view;
    }

    public void getKomentar(final int post_id) {

        view.showKomentarProgress();

        ApiInterface apiInterface = ApiClient.getApiClient().create(ApiInterface.class);
        Call<List<Komentar>> call = apiInterface.getKomentar(post_id);

        call.enqueue(new Callback<List<Komentar>>() {
            @Override
            public void onResponse(@NonNull Call<List<Komentar>> call,
@NonNull Response<List<Komentar>> response) {

                view.hideKomentarProgress();

                if (response.isSuccessful() && response.body() != null
) {

                    view.onRequestKomentarSuccess(response.body());
                }
            }

            @Override
            public void onFailure(@NonNull Call<List<Komentar>> call,
@NonNull Throwable t) {
                view.hideKomentarProgress();
                view.onRequestKomentarError(t.getLocalizedMessage());
            }
        });
    }
}

```

File 34. KomentarView.java

```

package com.bintang.banyan.Activity.DetailPost.Komentar;

import com.bintang.banyan.Model.Komentar;

```

```

import java.util.List;

public interface KomentarView {
    void showKomentarProgress();

    void hideKomentarProgress();

    void onRequestKomentarSuccess(List<Komentar> komentars);

    void onRequestKomentarError(String message);
}

```

File 35. LoginActivity.java

```

package com.bintang.banyan.Activity;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;
import com.android.volley.toolbox.Volley;
import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.R;
import com.bintang.banyan.SessionManager;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import java.util.HashMap;
import java.util.Map;

public class LoginActivity extends AppCompatActivity {

    private static String URL_LOGIN = "https://bonbon28.000webhostapp.
com/banyan/login.php";

```

```

SessionManager sessionManager;
private TextView tvToRegister;
private EditText edtEmail, edtPassword;
private Button btnLogin;
private ProgressBar progressBarLoading;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_login);

    sessionManager = new SessionManager(this);

    edtEmail = findViewById(R.id.edt_login_email);
    edtPassword = findViewById(R.id.edt_login_password);
    tvToRegister = findViewById(R.id.tvToRegister);
    btnLogin = findViewById(R.id.btn_login);
    progressBarLoading = findViewById(R.id.loading);

    tvToRegister.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            startActivity(new Intent(LoginActivity.this, RegisterA
ctivity.class));
        }
    });

    btnLogin.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            String mEmail = edtEmail.getText().toString().trim();
            String mPassword = edtPassword.getText().toString().tr
im();

            if (mEmail.isEmpty()) {
                edtEmail.setError("Masukkan Email!");
            } else if (mPassword.isEmpty()) {
                edtPassword.setError("Masukkan Password!");
            } else {
                Login(mEmail, mPassword);
            }
        }
    });
}

private void Login(final String email, final String password) {
    progressBarLoading.setVisibility(View.VISIBLE);
}

```

```

        btnLogin.setVisibility(View.GONE);

        StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_LOGIN,
        new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                try {
                    JSONObject jsonObject = new JSONObject(res
ponse);
                    String success = jsonObject.getString("suc
cess");
                    String message = jsonObject.getString("mes
sage");
                    JSONArray jsonArray = jsonObject.getJSONAR
ray("login");

                    if (success.equals("1")) {
                        for (int i = 0; i < jsonArray.length()
; i++) {
                            JSONObject object = jsonArray.getJ
SONObject(i);
                            String name = object.getString("na
me").trim();
                            String email = object.getString("e
mail").trim();
                            String ttl = object.getString("ttl
").trim();
                            String alamat = object.getString("
alamat").trim();
                            String notelp = object.getString("
notelp").trim();
                            String id = object.getString("id")
.trim();

                            masuk(name, email, ttl, alamat, no
telp, id);

                            showButton();
                        }
                    } else {
                        Toast.makeText(LoginActivity.this, "Er
ror: " + message, Toast.LENGTH_SHORT).show();
                        showButton();
                    }
                } catch (JSONException e) {
                    e.printStackTrace();
                }
            }
        }
    );
}

```



```

                Toast.makeText(LoginActivity.this, "Error:
" + e.toString(), Toast.LENGTH_SHORT).show();
                showButton();
            }
        }
    },
    new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
            Toast.makeText(LoginActivity.this, "Error " +
error.toString(), Toast.LENGTH_SHORT).show();
            showButton();
        }
    }) {
        @Override
        protected Map<String, String> getParams() throws AuthFailu
reError {
            Map<String, String> params = new HashMap<>();
            params.put("email", email);
            params.put("password", password);

            return params;
        }
    };
    RequestQueue requestQueue = Volley.newRequestQueue(this);
    requestQueue.add(stringRequest);

}

public void showButton() {
    progressBarLoading.setVisibility(View.GONE);
    btnLogin.setVisibility(View.VISIBLE);
}

private void masuk(String name, String email, String ttl, String a
alamat, String notelp, String id) {
    sessionManager.createSession(name, email, ttl, alamat, notelp,
id);
    Intent intent = new Intent(LoginActivity.this, MainActivity.cl
ass);
    startActivity(intent);
    finish();
}
}
}

```

File 36. MainActivity.java

```
package com.bintang.banyan.Activity.Main;

import android.annotation.SuppressLint;
import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.ProgressDialog;
import android.content.Intent;
import android.graphics.Bitmap;
import android.os.Build;
import android.os.Bundle;
import android.support.annotation.NonNull;
import android.support.design.widget.BottomNavigationView;
import android.support.v4.app.Fragment;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.util.Base64;
import android.util.Log;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;
import com.android.volley.toolbox.Volley;
import com.bintang.banyan.Activity.AboutActivity;
import com.bintang.banyan.Activity.AddPost.AddPostActivity;
import com.bintang.banyan.Activity.DetailPost.DetailPostActivity;
import com.bintang.banyan.Activity.Main.TabMainFragment.Beranda.BerandaAdapter;
import com.bintang.banyan.Activity.Main.TabMainFragment.Beranda.BerandaPresenter;
import com.bintang.banyan.Activity.Main.TabMainFragment.Beranda.BerandaView;
import com.bintang.banyan.Activity.Main.TabMainFragment.Beranda.TabBerandaFragment;
import com.bintang.banyan.Activity.Main.TabMainFragment.Kebun.TabKebunFragment;
import com.bintang.banyan.Activity.Main.TabMainFragment.Profile.ProfileAdapter;
import com.bintang.banyan.Activity.Main.TabMainFragment.Profile.ProfilePresenter;
import com.bintang.banyan.Activity.Main.TabMainFragment.Profile.ProfileView;
```

```

import com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment;
import com.bintang.banyan.Model.MyPosting;
import com.bintang.banyan.Model.Posting;
import com.bintang.banyan.R;
import com.bintang.banyan.SessionManager;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.iid.FirebaseInstanceId;
import com.google.firebase.iid.InstanceIdResult;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import java.io.ByteArrayOutputStream;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

import static com.bintang.banyan.Activity.Main.TabMainFragment.Beranda.TabBerandaFragment.berandaRecyclerView;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Beranda.TabBerandaFragment.berandaSwipeRefresh;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.btnGantiFoto;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.edtAlamat;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.edtEmail;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.edtNama;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.edtNoTelp;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.edtTtl;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.imageprofilbitmap;
import static com.bintang.banyan.Activity.Main.TabMainFragment.Profile.TabProfileFragment.profileRecyclerView;

public class MainActivity extends AppCompatActivity implements BerandaView, ProfileView {

    private static final String TAG = MainActivity.class.getSimpleName(); //get info
    public static String name, email, photo, ttl, alamat, notelp, getId;

```

```

public static Toolbar toolbar;
public static BerandaPresenter berandaPresenter;
public static BerandaAdapter berandaAdapter;
public static ProfilePresenter profilePresenter;
public static ProfileAdapter profileAdapter;
public static int jumlah_tanaman = 0;
private static String URL_READ = "https://bonbon28.000webhostapp.c
om/banyan/read_detail.php";
private static String URL_EDIT = "https://bonbon28.000webhostapp.c
om/banyan/edit_detail.php";
private static String URL_UPLOAD = "https://bonbon28.000webhostapp
.com/banyan/upload.php";
public int currentFragment = 1;
SessionManager sessionManager;
Menu toolbarMenu;
MenuItem menu_add, menu_settings, menu_done, menu_about, menu_shar
e, menu_logout;
boolean edit = false;
BerandaAdapter.ItemClickListener berandaItemClickListener;
ProfileAdapter.ItemClickListener profileItemClickListener;

List<Posting> posts;
List<MyPosting> myPostings;

private BottomNavigationView.OnNavigationItemSelectedListener mOnN
avigationItemSelectedListener
    = new BottomNavigationView.OnNavigationItemSelectedListener() {
    @SuppressWarnings("ResourceAsColor")
    @Override
    public boolean onNavigationItemSelectedListener(@NonNull MenuItem item
) {
        Fragment fragment = null;
        toolbar.setBackgroundColor(getResources().getColor(R.color
.putih));
        toolbar.setTitleTextColor(getResources().getColor(R.color.
hitam));
        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.LOLLIPOP)
        {
            toolbar.setElevation(14);
        }

        switch (item.getItemId()) {
            case R.id.navigation_beranda:
                currentFragment = 1;
                fragment = new TabBerandaFragment();
                edit = false;

```

```

        toolbar.setTitle(R.string.app_name);
        break;
    case R.id.navigation_kebun:
        edit = false;
        currentFragment = 2;
        toolbar.setTitle("Garden");
        toolbar.setBackgroundColor(getResources().getColor(
(R.color.colorPrimaryDark));
        toolbar.setTitleTextColor(getResources().getColor(
R.color.putih));

        fragment = new TabKebunFragment();
        break;
    case R.id.navigation_profile:
        currentFragment = 3;
        toolbar.setTitle("Me");
        toolbar.setBackgroundColor(getResources().getColor(
(R.color.colorPrimary));
        toolbar.setTitleTextColor(getResources().getColor(
R.color.putih));
        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.L
OLLIPOP) {
            toolbar.setElevation(0);
        }

        fragment = new TabProfileFragment();
        break;
    }
    return loadFragment(fragment);
}
};

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    BottomNavigationView navView = findViewById(R.id.nav_view);
    navView.setOnNavigationItemSelectedListener(mOnNavigationItemSelectedListener);

    toolbar = findViewById(R.id.toolbar);
    toolbar.setTitleMarginStart(50);
    toolbar.setOverflowIcon(getResources().getDrawable(R.drawable.
ic_more_vert_white_24dp));
    setSupportActionBar(toolbar);

    sessionManager = new SessionManager(this);
    sessionManager.checkLogin();

```

```

HashMap<String, String> user = sessionManager.getUserDetail();

getId = user.get(SessionManager.ID);

loadFragment(new TabBerandaFragment());
if (sessionManager.isLogin()) {
    getUserDetail();
}
berandaPresenter = new BerandaPresenter(this);
profilePresenter = new ProfilePresenter(this);

if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.O) {
    NotificationChannel channel =
        new NotificationChannel("Banyan Notification", "Ba
nyan Notification", NotificationManager.IMPORTANCE_DEFAULT);

    NotificationManager manager = getSystemService(Notificatio
nManager.class);
    manager.createNotificationChannel(channel);
}

FirebaseInstanceId.getInstance().getInstanceId()
    .addOnCompleteListener(new OnCompleteListener<Instance
IdResult>() {
        @Override
        public void onComplete(@NonNull Task<InstanceIdRes
ult> task) {
            if (!task.isSuccessful()) {
                Log.w(TAG, "getInstanceId failed", task.getE
xception());
                return;
            }

            Toast.makeText(MainActivity.this, "Successfull
", Toast.LENGTH_SHORT).show();
        }
    });

berandaItemClickListener = ((view, position) ->
{
    int id = posts.get(position).getId();
    String user_id = posts.get(position).getUser_id();
    String judul = posts.get(position).getJudul();
    String deskripsi = posts.get(position).getDeskripsi();
    String gambar = posts.get(position).getGambar();
    String tanggal = posts.get(position).getTanggal();
    String user_image = posts.get(position).getUserImage();

```

```

        Intent intent = new Intent(this, DetailPostActivity.class)
;
        intent.putExtra("id", id);
        intent.putExtra("user_id", user_id);
        intent.putExtra("judul", judul);
        intent.putExtra("deskripsi", deskripsi);
        intent.putExtra("gambar", gambar);
        intent.putExtra("tanggal", tanggal);
        intent.putExtra("user_image", user_image);
        startActivity(intent);
    });

    profileItemClickListener = ((view, position) ->
    {
        int id = myPostings.get(position).getId();
        String user_id = myPostings.get(position).getUser_id();
        String judul = myPostings.get(position).getJudul();
        String deskripsi = myPostings.get(position).getDeskripsi()
;

        String gambar = myPostings.get(position).getGambar();
        String tanggal = myPostings.get(position).getTanggal();
        String user_image = myPostings.get(position).getUserImage(
);

        Intent intent = new Intent(this, DetailPostActivity.class)
;

        intent.putExtra("id", id);
        intent.putExtra("user_id", user_id);
        intent.putExtra("judul", judul);
        intent.putExtra("deskripsi", deskripsi);
        intent.putExtra("gambar", gambar);
        intent.putExtra("tanggal", tanggal);
        intent.putExtra("user_image", user_image);
        startActivity(intent);
    });
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.toolbar_main_menu, menu);

    toolbarMenu = menu;

    menu_add = toolbarMenu.findItem(R.id.menu_add);
    menu_settings = toolbarMenu.findItem(R.id.menu_settings);
    menu_done = toolbarMenu.findItem(R.id.menu_done);
}

```

```

menu_about = toolbarMenu.findItem(R.id.menu_about);
menu_share = toolbarMenu.findItem(R.id.menu_share);
menu_logout = toolbarMenu.findItem(R.id.menu_exit);

invalidateOptionsMenu();
if (currentFragment == 1) {
    menu_add.setVisible(true);
    menu_settings.setVisible(false);
    menu_done.setVisible(false);
    menu_about.setVisible(false);
    menu_share.setVisible(false);
    menu_logout.setVisible(false);
} else if (currentFragment == 2) {
    menu_add.setVisible(false);
    menu_settings.setVisible(false);
    menu_done.setVisible(false);
    menu_about.setVisible(false);
    menu_share.setVisible(false);
    menu_logout.setVisible(false);
} else {
    menu_add.setVisible(false);
    if (!edit) {
        menu_settings.setVisible(true);
        menu_done.setVisible(false);
    } else {
        menu_settings.setVisible(false);
        menu_done.setVisible(true);
    }
    menu_about.setVisible(true);
    menu_share.setVisible(true);
    menu_logout.setVisible(true);
}

return true;
}

private void getUserDetail() {
    final ProgressDialog progressDialog = new ProgressDialog(this)
;
    progressDialog.setMessage("Loading...");
    progressDialog.show();

    StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_READ,
        new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                progressDialog.dismiss();
            }
        }
    );
}

```



```

        Log.i(TAG, response);

        try {
            JSONObject jsonObject = new JSONObject(res
ponse);
            String success = jsonObject.getString("suc
cess");
            JSONArray jsonArray = jsonObject.getJSONAr
ray("read");

            if (success.equals("1")) {
                for (int i = 0; i < jsonArray.length()
; i++) {
                    JSONObject object = jsonArray.getJ
SONObject(i);

                    name = object.getString("name").tr
im();
                    email = object.getString("email").
trim();
                    photo = object.getString("photo").
trim();
                    ttl = object.getString("ttl").trim
();
                    alamat = object.getString("alamat"
).trim();
                    notelp = object.getString("notelp"
).trim();

                }
            } else {
                Toast.makeText(MainActivity.this, "Err
or: Gagal mendapatkan detail", Toast.LENGTH_SHORT).show();
            }

        } catch (JSONException e) {
            e.printStackTrace();
            progressDialog.dismiss();
            Toast.makeText(MainActivity.this, "Error:
" + e.toString(), Toast.LENGTH_SHORT).show();
        }
    }
},
    new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {

```

```

        Toast.makeText(MainActivity.this, "Error Connection DISINI: " + error.toString(), Toast.LENGTH_SHORT).show();
    }
}
}) {
    @Override
    protected Map<String, String> getParams() throws AuthFailureError {
        Map<String, String> params = new HashMap<>();
        params.put("id", getId());

        return params;
    }
};
RequestQueue requestQueue = Volley.newRequestQueue(this);
requestQueue.add(stringRequest);
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    int id = item.getItemId();

    if (id == R.id.menu_add) {
        Intent intent = new Intent(MainActivity.this, AddPostActivity.class);
        intent.putExtra("id", getId());
        startActivity(intent);
    } else if (id == R.id.menu_settings) {
        initContent(true);
        toolbarMenu.findItem(R.id.menu_settings).setVisible(false);
;
        toolbarMenu.findItem(R.id.menu_done).setVisible(true);

    } else if (id == R.id.menu_done) {
        initContent(false);
        toolbarMenu.findItem(R.id.menu_settings).setVisible(true);
        toolbarMenu.findItem(R.id.menu_done).setVisible(false);
        saveEdit();

    } else if (id == R.id.menu_share) {
        Toast.makeText(this, "Share", Toast.LENGTH_SHORT).show();
    } else if (id == R.id.menu_about) {
        startActivity(new Intent(MainActivity.this, AboutActivity.class));
    } else if (id == R.id.menu_exit) {
        sessionManager.logout();
    }
}

```

```

        return true;
    }

    private void initContent(boolean kondisi) {
        edtNama.setEnabled(kondisi);
        edtNama.setFocusable(kondisi);
        edtNama.setFocusableInTouchMode(kondisi);

        edtEmail.setEnabled(kondisi);
        edtEmail.setFocusable(kondisi);
        edtEmail.setFocusableInTouchMode(kondisi);

        edtTtl.setEnabled(kondisi);
        edtTtl.setFocusable(kondisi);
        edtTtl.setFocusableInTouchMode(kondisi);

        edtAlamat.setEnabled(kondisi);
        edtAlamat.setFocusable(kondisi);
        edtAlamat.setFocusableInTouchMode(kondisi);

        edtNoTelp.setEnabled(kondisi);
        edtNoTelp.setFocusable(kondisi);
        edtNoTelp.setFocusableInTouchMode(kondisi);

        btnGantiFoto.setEnabled(kondisi);
        btnGantiFoto.setClickable(kondisi);
        if (kondisi) {
            btnGantiFoto.setVisibility(View.VISIBLE);
        } else {
            btnGantiFoto.setVisibility(View.GONE);
        }
        edit = kondisi;
    }

    public boolean loadFragment(Fragment fragment) {
        if (fragment != null) {
            getSupportFragmentManager()
                .beginTransaction()
                .replace(R.id.fragment_container, fragment)
                .commit();
            return true;
        }
        return false;
    }

    private void uploadFoto(final String id, final String foto) {

```

```

        final ProgressDialog progressDialog = new ProgressDialog(MainA
ctivity.this);
        progressDialog.setMessage("Uploading...");
        progressDialog.show();

        StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_UPLOAD,
            new Response.Listener<String>() {
                @Override
                public void onResponse(String response) {
                    progressDialog.dismiss();
                    Log.i(TAG, response);

                    try {
                        JSONObject jsonObject = new JSONObject(res
ponse);
                        String success = jsonObject.getString("suc
cess");

                        if (success.equals("1")) {
                            Toast.makeText(MainActivity.this, "Suc
cess", Toast.LENGTH_SHORT).show();
                        } else {
                            Toast.makeText(MainActivity.this, "Cob
a Lagi.", Toast.LENGTH_SHORT).show();
                        }

                    } catch (JSONException e) {
                        e.printStackTrace();
                        Toast.makeText(MainActivity.this, "Error:
" + e.toString(), Toast.LENGTH_SHORT).show();
                        progressDialog.dismiss();
                    }
                }
            },
            new Response.ErrorListener() {
                @Override
                public void onErrorResponse(VolleyError error) {
                    Toast.makeText(MainActivity.this, "Error: " +
error.toString(), Toast.LENGTH_SHORT).show();
                    progressDialog.dismiss();
                }
            }) {
            @Override
            protected Map<String, String> getParams() throws AuthFailu
reError {
                Map<String, String> params = new HashMap<>();
                params.put("id", id);
            }
        }
    }
}

```

```

        params.put("foto", foto);

        return params;
    }
};

    RequestQueue requestQueue = Volley.newRequestQueue(MainActivit
y.this);
    requestQueue.add(stringRequest);

}

    private String getStringImage(Bitmap bitmap) {
        ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOut
putStream();
        bitmap.compress(Bitmap.CompressFormat.JPEG, 100, byteArrayOutp
utStream);

        byte[] imageByteArray = byteArrayOutputStream.toByteArray();
        String encodedImage = Base64.encodeToString(imageByteArray, Ba
se64.DEFAULT);
        return encodedImage;
    }

    public void saveEdit() {

        try {
            uploadFoto(getId, getStringImage(imageprofilbitmap));
        } catch (Exception e) {
            e.printStackTrace();
        }

        final String name = edtNama.getText().toString().trim();
        final String email = edtEmail.getText().toString().trim();
        final String ttl = edtTtl.getText().toString().trim();
        final String alamat = edtAlamat.getText().toString().trim();
        final String notelp = edtNoTelp.getText().toString().trim();
        final String id = getId;

        final ProgressDialog progressDialog = new ProgressDialog(MainA
ctivity.this);
        progressDialog.setMessage("Loading...");
        progressDialog.show();

        StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_EDIT,
            new Response.Listener<String>() {

```

```

        @Override
        public void onResponse(String response) {

            try {
                JSONObject jsonObject = new JSONObject(res
ponse);
                String success = jsonObject.getString("suc
cess");

                if (success.equals("1")) {
                    Toast.makeText(MainActivity.this, "Suc
cess", Toast.LENGTH_SHORT).show();
                    progressDialog.dismiss();
                } else {
                    Toast.makeText(MainActivity.this, "Err
or.", Toast.LENGTH_SHORT).show();
                    progressDialog.dismiss();
                }

            } catch (JSONException e) {
                e.printStackTrace();
                Toast.makeText(MainActivity.this, "Error:
" + e.toString(), Toast.LENGTH_SHORT).show();
                progressDialog.dismiss();
            }
        },
        new Response.ErrorListener() {
            @Override
            public void onErrorResponse(VolleyError error) {
                Toast.makeText(MainActivity.this, "Error Conne
ction." + error.toString(), Toast.LENGTH_SHORT).show();
                progressDialog.dismiss();
            }
        }) {
            @Override
            protected Map<String, String> getParams() throws AuthFailu
reError {

                Map<String, String> params = new HashMap<>();
                params.put("name", name);
                params.put("email", email);
                params.put("ttl", ttl);
                params.put("alamat", alamat);
                params.put("notelp", notelp);
                params.put("id", id);

                return params;
            }
        }
    }
}

```

```

        }
    };
    RequestQueue requestQueue = Volley.newRequestQueue(MainActivit
y.this);
    requestQueue.add(stringRequest);

    this.sessionManager.clearSession();
    this.sessionManager.createSession(name, email, ttl, alamat, no
telp, id);
    this.sessionManager.getUserDetail();

}

@Override
public void showLoading() {
    berandaSwipeRefresh.setRefreshing(true);
}

@Override
public void hideLoading() {
    berandaSwipeRefresh.setRefreshing(false);
}

@Override
public void onGetMyPostResult(List<MyPosting> postings) {
    profileAdapter = new ProfileAdapter(this, postings, profileIte
mClickListener);
    profileAdapter.notifyDataSetChanged();
    profileRecyclerView.setAdapter(profileAdapter);
    this.myPostings = postings;
}

@Override
public void onGetResult(List<Posting> posts) {
    berandaAdapter = new BerandaAdapter(this, posts, berandaItemCl
ickListener);
    berandaAdapter.notifyDataSetChanged();
    berandaRecyclerView.setAdapter(berandaAdapter);
    this.posts = posts;
}

@Override
public void onErrorLoading(String message) {
    Toast.makeText(this, "Error Loading" + message, Toast.LENGTH_S
HORT).show();
}
}

```

File 37. MapsActivity.java

```
package com.bintang.banyan;

import android.os.Bundle;
import android.support.v4.app.FragmentActivity;

import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;

public class MapsActivity extends FragmentActivity implements OnMapReadyCallback {

    private GoogleMap mMap;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_maps);

        // Obtain the SupportMapFragment and get notified when the map
        // is ready to be used.
        SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()
            .findFragmentById(R.id.map);
        mapFragment.getMapAsync(this);
    }

    /**
     * Manipulates the map once available.
     * This callback is triggered when the map is ready to be used.
     * This is where we can add markers or lines, add listeners or move
     * the camera. In this case,
     * we just add a marker near Sydney, Australia.
     * If Google Play services is not installed on the device, the user
     * will be prompted to install
     * it inside the SupportMapFragment. This method will only be triggered
     * once the user has
     * installed Google Play services and returned to the app.
     */
    @Override
    public void onMapReady(GoogleMap googleMap) {
        mMap = googleMap;
    }
}
```



```

        // Add a marker in Sydney and move the camera
        LatLng sydney = new LatLng(-34, 151);
        mMap.addMarker(new MarkerOptions().position(sydney).title("Mar
ker in Sydney"));
        mMap.moveCamera(CameraUpdateFactory.newLatLng(sydney));
    }
}

```

File 38. MyGlideModule.java

```

package com.bintang.banyan;

import com.bumptech.glide.annotation.GlideModule;
import com.bumptech.glide.module.AppGlideModule;

@GlideModule
public class MyGlideModule extends AppGlideModule {
}

```

File 39. MyPosting.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class MyPosting {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("user_id")
    private String user_id;
    @Expose
    @SerializedName("judul")
    private String judul;
    @Expose
    @SerializedName("deskripsi")
    private String deskripsi;
    @Expose
    @SerializedName("gambar")
    private String gambar;
    @Expose
    @SerializedName("date")
    private String tanggal;
    @Expose
    @SerializedName("user_image")
    private String userImage;
    @Expose
    @SerializedName("success")

```

```
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public String getUser_id() {
    return user_id;
}

public String getJudul() {
    return judul;
}

public String getDeskripsi() {
    return deskripsi;
}

public String getGambar() {
    return gambar;
}

public String getTanggal() {
    return tanggal;
}

public String getUserImage() {
    return userImage;
}

public Boolean getSuccess() {
    return success;
}

public String getMessage() {
    return message;
}

public void setMessage(String message) {
    this.message = message;
}
```

```
}
```

File 40. MyTanaman.java

```
package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class MyTanaman {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("user_id")
    private String user_id;
    @Expose
    @SerializedName("tanaman_id")
    private String tanaman_id;
    @Expose
    @SerializedName("nama")
    private String nama;
    @Expose
    @SerializedName("nama_latin")
    private String nama_latin;
    @Expose
    @SerializedName("deskripsi")
    private String deskripsi;
    @Expose
    @SerializedName("jenis")
    private String jenis;
    @Expose
    @SerializedName("ketinggian")
    private String ketinggian;
    @Expose
    @SerializedName("struktur_tanah")
    private String struktur_tanah;
    @Expose
    @SerializedName("suhu")
    private String suhu;
    @Expose
    @SerializedName("ph")
    private String ph;
    @Expose
    @SerializedName("kelembapan")
    private String kelembapan;
    @Expose
    @SerializedName("tekanan")
    private String tekanan;
}
```

```
@Expose
@SerializedName("lahan")
private String lahan;
@Expose
@SerializedName("air")
private String air;
@Expose
@SerializedName("gambar")
private String gambar;
@Expose
@SerializedName("date")
private String date;
@Expose
@SerializedName("success")
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public String getUser_id() {
    return user_id;
}

public String getTanaman_id() {
    return tanaman_id;
}

public String getNama() {
    return nama;
}

public String getNama_latin() {
    return nama_latin;
}

public String getDeskripsi() {
    return deskripsi;
}

public String getJenis() {
    return jenis;
}

public String getKetinggian() {
```

```
        return ketinggian;
    }

    public String getStruktur_tanah() {
        return struktur_tanah;
    }

    public String getSuhu() {
        return suhu;
    }

    public String getPh() {
        return ph;
    }

    public String getKelembapan() {
        return kelembapan;
    }

    public String getTekanan() {
        return tekanan;
    }

    public String getLahan() {
        return lahan;
    }

    public String getAir() {
        return air;
    }

    public String getGambar() {
        return gambar;
    }

    public String getDate() {
        return date;
    }

    public Boolean getSuccess() {
        return success;
    }

    public String getMessage() {
        return message;
    }
}
```

File 41. Posting.java

```
package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class Posting {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("user_id")
    private String user_id;
    @Expose
    @SerializedName("judul")
    private String judul;
    @Expose
    @SerializedName("deskripsi")
    private String deskripsi;
    @Expose
    @SerializedName("gambar")
    private String gambar;
    @Expose
    @SerializedName("date")
    private String tanggal;
    @Expose
    @SerializedName("user_image")
    private String userImage;
    @Expose
    @SerializedName("success")
    private Boolean success;
    @Expose
    @SerializedName("message")
    private String message;

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }

    public String getUser_id() {
        return user_id;
    }

    public String getJudul() {
        return judul;
    }
}
```

```

    }

    public String getDeskripsi() {
        return deskripsi;
    }

    public String getGambar() {
        return gambar;
    }

    public String getTanggal() {
        return tanggal;
    }

    public String getUserImage() {
        return userImage;
    }

    public Boolean getSuccess() {
        return success;
    }

    public String getMessage() {
        return message;
    }

    public void setMessage(String message) {
        this.message = message;
    }
}

```

File 42. ProfileAdapter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Profile;

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v7.widget.CardView;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;

import com.bintang.banyan.Model.MyPosting;
import com.bintang.banyan.R;
import com.squareup.picasso.Picasso;

import java.util.List;

```

```

public class ProfileAdapter extends RecyclerView.Adapter<ProfileAdapter.ViewHolder> {
    private Context context;
    private List<MyPosting> post;
    private ItemClickListener itemClickListener;

    public ProfileAdapter(Context context, List<MyPosting> post, ItemClickListener itemClickListener) {
        this.context = context;
        this.post = post;
        this.itemClickListener = itemClickListener;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup viewGroup, int i) {
        View view = LayoutInflater.from(context).inflate(R.layout.item_mypost, viewGroup, false);

        return new ViewHolder(view, itemClickListener);
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder viewHolder, int i) {
        MyPosting postt = this.post.get(i);

        try {
            Picasso.get().load(postt.getGambar())
                .error(R.drawable.ic_person_black_100dp)
                .into(viewHolder.itemView);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    @Override
    public int getItemCount() {
        return post.size();
    }

    public interface ItemClickListener {
        void onItemClick(View view, int position);
    }
}

```



```

    public class RecyclerViewAdapter extends RecyclerView.ViewHolder implements View.OnClickListener {

        ImageView iv_post;

        CardView card_item;
        ItemClickListener itemClickListener;

        RecyclerViewAdapter(View itemView, ItemClickListener itemClickListener) {
            super(itemView);

            iv_post = itemView.findViewById(R.id.iv_item_mypost);
            card_item = itemView.findViewById(R.id.card_item_mypost);

            this.itemClickListener = itemClickListener;
            card_item.setOnClickListener(this);
        }

        @Override
        public void onClick(View view) {
            itemClickListener.onItemClick(view, getAdapterPosition());
        }
    }
}

```

File 43. ProfilePresenter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Profile;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.MyPosting;

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class ProfilePresenter {

    private ProfileView view;

    public ProfilePresenter(ProfileView view) {
        this.view = view;
    }
}

```

```

    }

    void getData(final int user_id) {
        view.showLoading();
        //Request to server
        ApiInterface apiInterface = ApiClient.getApiClient().create(ApiInterface.class);
        Call<List<MyPosting>> call = apiInterface.getMyPosting(user_id);

        call.enqueue(new Callback<List<MyPosting>>() {
            @Override
            public void onResponse(@NonNull Call<List<MyPosting>> call, @NonNull Response<List<MyPosting>> response) {
                view.hideLoading();
                if (response.isSuccessful() && response.body() != null) {
                    view.onGetMyPostResult(response.body());
                }
            }

            @Override
            public void onFailure(@NonNull Call<List<MyPosting>> call, @NonNull Throwable t) {
                view.hideLoading();
                view.onErrorLoading(t.getLocalizedMessage());
            }
        });
    }
}

```

File 44. ProfileView.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Profile;

import com.bintang.banyan.Model.MyPosting;

import java.util.List;

public interface ProfileView {
    void showLoading();

    void hideLoading();

    void onGetMyPostResult(List<MyPosting> postings);

    void onErrorLoading(String message);
}

```

```
}
```

File 45. RegisterActivity.java

```
package com.bintang.banyan.Activity;

import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;
import com.android.volley.toolbox.Volley;
import com.bintang.banyan.R;

import org.json.JSONException;
import org.json.JSONObject;

import java.util.HashMap;
import java.util.Map;

public class RegisterActivity extends AppCompatActivity {

    private static String URL_REGIST = "https://bonbon28.000webhostapp.com/banyan/register.php";
    private EditText edtNama, edtEmail, edtPassword, edtCPassword;
    private Button btnRegist;
    private ProgressBar progressBarLoading;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        progressBarLoading = findViewById(R.id.loading);
        edtNama = findViewById(R.id.edt_register_name);
        edtEmail = findViewById(R.id.edt_register_email);
        edtPassword = findViewById(R.id.edt_register_password);
        edtCPassword = findViewById(R.id.edt_register_password_confirm);
        btnRegist = findViewById(R.id.btn_register);
    }
}
```

```

btnRegist.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if (edtNama.getText().toString().isEmpty()) {
            edtNama.requestFocus();
            edtNama.setError("Masukkan Nama!");
        } else if (edtEmail.getText().toString().isEmpty()) {
            edtEmail.requestFocus();
            edtEmail.setError("Masukkan Email!");
        } else if (edtPassword.getText().toString().isEmpty())
        {
            edtPassword.requestFocus();
            edtPassword.setError("Masukkan Password!");
        } else if (edtCPassword.getText().toString().isEmpty()
) {
            edtCPassword.requestFocus();
            edtCPassword.setError("Konfirmasi Password!");
        } else if (!edtPassword.getText().toString().equals(ed
tCPassword.getText().toString())) {
            edtCPassword.requestFocus();
            edtCPassword.setError("Password tidak sama!");
        } else {
            Regist();
        }
    }
});
}

private void Regist() {
    progressBarLoading.setVisibility(View.VISIBLE);
    btnRegist.setVisibility(View.GONE);

    final String nama = this.edtNama.getText().toString().trim();
    final String email = this.edtEmail.getText().toString().trim()
;
    final String password = this.edtPassword.getText().toString().
trim();

    StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_REGIST,
        new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                try {
                    JSONObject jsonObject = new JSONObject(res
ponse);

```

```

        String success = jsonObject.getString("suc
cess");

        if (success.equals("1")) {
            showButton();
            Toast.makeText(RegisterActivity.this,
"Register Success!", Toast.LENGTH_SHORT).show();
            finish();
        } else {
            showButton();
            Toast.makeText(RegisterActivity.this,
"Register Error! ", Toast.LENGTH_SHORT).show();
        }

    } catch (JSONException e) {
        e.printStackTrace();
        Toast.makeText(RegisterActivity.this, "Reg
ister Error! " + e.toString(), Toast.LENGTH_SHORT).show();
        showButton();
    }
    },
    new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
            Toast.makeText(RegisterActivity.this, "Registe
r Error! " + error.toString(), Toast.LENGTH_SHORT).show();
            showButton();
        }
    }) {
        @Override
        protected Map<String, String> getParams() throws AuthFailu
reError {
            Map<String, String> params = new HashMap<>();
            params.put("name", nama);
            params.put("email", email);
            params.put("password", password);

            return params;
        }
    };

    RequestQueue requestQueue = Volley.newRequestQueue(this);
    requestQueue.add(stringRequest);

}

```

```

public void showButton() {
    progressBarLoading.setVisibility(View.GONE);
    btnRegist.setVisibility(View.VISIBLE);
}
}

```

File 46. RekomendasiTanaman.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class RekomendasiTanaman {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("nama")
    private String nama;
    @Expose
    @SerializedName("nama_latin")
    private String nama_latin;
    @Expose
    @SerializedName("deskripsi")
    private String deskripsi;
    @Expose
    @SerializedName("jenis")
    private String jenis;
    @Expose
    @SerializedName("ketinggian")
    private String ketinggian;
    @Expose
    @SerializedName("struktur_tanah")
    private String tanah;
    @Expose
    @SerializedName("suhu")
    private String suhu;
    @Expose
    @SerializedName("ph")
    private String ph;
    @Expose
    @SerializedName("kelembapan")
    private String kelembapan;
    @Expose
    @SerializedName("tekanan")
    private String tekanan;
    @Expose

```

```
@SerializedName("lahan")
private String lahan;
@Expose
@SerializedName("air")
private String air;
@Expose
@SerializedName("gambar")
private String gambar;
@Expose
@SerializedName("success")
private Boolean success;
@Expose
@SerializedName("message")
private String message;

public int getId() {
    return id;
}

public String getNama() {
    return nama;
}

public String getNama_latin() {
    return nama_latin;
}

public String getDeskripsi() {
    return deskripsi;
}

public String getJenis() {
    return jenis;
}

public String getKetinggian() {
    return ketinggian;
}

public String getTanah() {
    return tanah;
}

public String getSuhu() {
    return suhu;
}

public String getPh() {
```

```

        return ph;
    }

    public String getKelembapan() {
        return kelembapan;
    }

    public String getTekanan() {
        return tekanan;
    }

    public String getLahan() {
        return lahan;
    }

    public String getAir() {
        return air;
    }

    public String getGambar() {
        return gambar;
    }

    public Boolean getSuccess() {
        return success;
    }

    public String getMessage() {
        return message;
    }
}

```

File 47. Relay.java

```

package com.bintang.banyan.Model;

import com.google.gson.annotations.Expose;
import com.google.gson.annotations.SerializedName;

public class Relay {
    @Expose
    @SerializedName("id")
    private int id;
    @Expose
    @SerializedName("user_id")
    private int user_id;
    @Expose
    @SerializedName("relay")
    private int relay;
}

```



```

    @Expose
    @SerializedName("success")
    private Boolean success;
    @Expose
    @SerializedName("message")
    private String message;
}

```

File 48. ReqDataPresenter.java

```

package com.bintang.banyan.Activity.DetailTanaman.IotData;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.IotData;

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class ReqDataPresenter {
    private ReqDataView view;

    public ReqDataPresenter(ReqDataView view) {
        this.view = view;
    }

    public void reqDataIoT(final int user_id) {

        view.showProgress();

        ApiInterface apiInterface = ApiClient.getApiClient()
            .create(ApiInterface.class);
        Call<List<IotData>> call = apiInterface.reqData(user_id);

        call.enqueue(new Callback<List<IotData>>() {
            @Override
            public void onResponse(@NonNull Call<List<IotData>> call,
@NonNull Response<List<IotData>> response) {

                view.hideProgress();

                if (response.isSuccessful() && response.body() != null
) {

                    view.onRequestIotDataSuccess(response.body());

```



```

public static final String ALAMAT = "ALAMAT";
public static final String NOTELP = "NOTELP";
public static final String ID = "ID";

private static final String PREF_NAME = "LOGIN";
private static final String LOGIN = "IS_LOGIN";

public SharedPreferences.Editor editor;
public Context context;
SharedPreferences sharedPreferences;
int PRIVATE_MODE = 0;

public SessionManager(Context context) {
    this.context = context;
    sharedPreferences = context.getSharedPreferences(PREF_NAME, PRIVATE_MODE);

    editor = sharedPreferences.edit();
}

public void createSession(String name, String email, String ttl, String alamat, String notelp, String id) {
    editor.putBoolean(LOGIN, true);
    editor.putString(NAME, name);
    editor.putString(EMAIL, email);
    editor.putString(TTL, ttl);
    editor.putString(ALAMAT, alamat);
    editor.putString(NOTELP, notelp);
    editor.putString(ID, id);
    editor.apply();
}

public boolean isLogin() {
    return sharedPreferences.getBoolean(LOGIN, false);
}

public void checkLogin() {
    if (!this.isLogin()) {
        this.logout();
        Intent intent = new Intent(context, SplashActivity.class);
        context.startActivity(intent);
        ((MainActivity) context).finish();
    }
}

public HashMap<String, String> getUserDetail() {
    HashMap<String, String> user = new HashMap<>();
    user.put(NAME, sharedPreferences.getString(NAME, null));
}

```

```

        user.put(EMAIL, sharedPreferences.getString(EMAIL, null));
        user.put(ID, sharedPreferences.getString(ID, null));

        return user;
    }

    public void clearSession() {
        editor.clear();
        editor.commit();
        editor.apply();
    }

    public void logout() {
        editor.clear();
        editor.commit();
        Intent intent = new Intent(context, SplashActivity.class);
        context.startActivity(intent);
        ((MainActivity) context).finish();
    }
}

```

File 51. SplashActivity.java

```

package com.bintang.banyan.Activity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.support.v7.app.AppCompatActivity;

import com.bintang.banyan.Activity.WelcomeScreen.WelcomeScreenActivity;
;
import com.bintang.banyan.R;

public class SplashActivity extends AppCompatActivity {

    private final int SPLASH_DISPLAY_LENGTH = 1000;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                /* Create an Intent that will start the Menu-
Activity. */

```

```

        Intent mainIntent = new Intent(SplashActivity.this, WelcomeScreenActivity.class);
        startActivity(mainIntent);
        finish();
    }
}, SPLASH_DISPLAY_LENGTH);
}
}

```

File 52. TabBerandaFragment.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Beranda;

import android.os.Bundle;
import android.support.annotation.Nullable;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Toast;

import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.Model.Posting;
import com.bintang.banyan.R;

import java.util.List;

import static com.bintang.banyan.Activity.Main.MainActivity.berandaAdapter;

public class TabBerandaFragment extends Fragment implements BerandaView {

    public static RecyclerView berandaRecyclerView;
    public static SwipeRefreshLayout berandaSwipeRefresh;

    public static BerandaAdapter.ItemClickListener berandaItemClickListener;

    List<Posting> posts;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }
}

```

```

@Nullable
@Override
public View onCreateView(LayoutInflater inflater, @Nullable ViewGroup container,
                        @Nullable Bundle savedInstanceState) {
    View BerandaView = inflater.inflate(R.layout.fragment_tab_beranda, container, false);

    // Inflate the layout for this fragment
    return BerandaView;
}

@Override
public void onViewCreated(View view, Bundle savedInstanceState) {
    super.onViewCreated(view, savedInstanceState);
    initView(view);
}

private void initView(View view) {
    berandaSwipeRefresh = view.findViewById(R.id.swipe_refresh);
    berandaRecyclerView = view.findViewById(R.id.recycler_view);
    berandaRecyclerView.setLayoutManager(new LinearLayoutManager(getActivity()));

    MainActivity.berandaPresenter.getData();

    berandaSwipeRefresh.setOnRefreshListener(
        () -> MainActivity.berandaPresenter.getData());
}

private void changeFragment() {
//     fragmentManager.beginTransaction().replace(R.id.tabHome, new TabHomePost()).addToBackStack(null).commit();
}

@Override
public void showLoading() {
    berandaSwipeRefresh.setRefreshing(true);
}

@Override
public void hideLoading() {
    berandaSwipeRefresh.setRefreshing(false);
}
}

```

```

    @Override
    public void onGetResult(List<Posting> posts) {
        berandaAdapter = new BerandaAdapter(getActivity(), posts, berandaItemClickListener);
        berandaAdapter.notifyDataSetChanged();
        berandaRecyclerView.setAdapter(berandaAdapter);
        this.posts = posts;
    }

    @Override
    public void onErrorLoading(String message) {
        Toast.makeText(getActivity(), message, Toast.LENGTH_SHORT).show();
    }
}

```

File 53. TabKebunFragment.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun;

import android.Manifest;
import android.annotation.SuppressLint;
import android.app.ProgressDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.location.Location;
import android.net.Uri;
import android.os.Bundle;
import android.provider.Settings;
import android.support.annotation.NonNull;
import android.support.annotation.Nullable;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.AlertDialog;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;

```

```

import com.android.volley.toolbox.Volley;
import com.bintang.banyan.Activity.DetailTanaman.DetailTanamanActivity
;
import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.Model.MyTanaman;
import com.bintang.banyan.R;
import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationCallback;
import com.google.android.gms.location.LocationRequest;
import com.google.android.gms.location.LocationResult;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

public class TabKebunFragment extends Fragment implements TanamanView
{
    public static RecyclerView tanamanRecyclerView;
    public static SwipeRefreshLayout tanamanSwipeRefresh;
    public static TanamanAdapter.ItemClickListener tanamanItemClickListener;

    public String kota, provinsi, negara, zona_waktu, kelembapan, tekanan, suhu, tinggi, latitude, longitude;
    public TextView tvTanggal, tvKota, tvProvinsiNegara, tvSuhu, tvLatitude, tvKetinggian, tvKelembapan, tvTekanan;
    Double elevation;
    TanamanPresenter tanamanPresenter;
    TanamanAdapter tanamanAdapter;
    List<MyTanaman> myTanaman;
    private FusedLocationProviderClient mFusedLocationProviderClient;
    private Location mLastKnownLocation;
    private LocationCallback locationCallback;

```



```

@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
}

@Nullable
@Override
public View onCreateView(LayoutInflater inflater, @Nullable ViewGroup container,
                           @Nullable Bundle savedInstanceState) {
    View kebunView = inflater.inflate(R.layout.fragment_tab_kebun,
        container, false);

    // Inflate the layout for this fragment
    return kebunView;
}

@Override
public void onViewCreated(View view, Bundle savedInstanceState) {
    super.onViewCreated(view, savedInstanceState);
    initView(view);
}

private void initView(View view) {
    ImageView btnKelola = view.findViewById(R.id.btn_kelola);
    ImageView btnCuaca = view.findViewById(R.id.btn_cuaca);
    mFusedLocationProviderClient = LocationServices.getFusedLocationProviderClient(getActivity());
    tvTanggal = view.findViewById(R.id.tv_tanggal_hasil);
    tvKota = view.findViewById(R.id.tv_kota_hasil);
    tvProvinsiNegara = view.findViewById(R.id.tv_provinsi_negara_hasil);
    tvSuhu = view.findViewById(R.id.tv_suhu_hasil);
    tvLatLon = view.findViewById(R.id.tv_lat_lon_hasil);
    tvKetinggian = view.findViewById(R.id.tv_ketinggian_hasil);
    tvKelembapan = view.findViewById(R.id.tv_kelembapan_hasil);
    tvTekanan = view.findViewById(R.id.tv_tekanan_hasil);
    Date today = Calendar.getInstance().getTime();//getting date
    SimpleDateFormat formatter = new SimpleDateFormat("E, dd MMM yyyy z");//formatting according to my need
    String date = formatter.format(today);
    tvTanggal.setText(date);

    tanamanRecyclerView = view.findViewById(R.id.recycler_view_tanaman);
    tanamanRecyclerView.setLayoutManager(new LinearLayoutManager(getActivity()));
}

```

```

        tanamanSwipeRefresh = view.findViewById(R.id.swipe_refresh_tan
aman);
        tanamanPresenter = new TanamanPresenter(this);
        tanamanPresenter.getTanamanku(Integer.valueOf(MainActivity.get
Id));

        Dexter.withActivity(getActivity())
                .withPermission(Manifest.permission.ACCESS_FINE_LOCATI
ON)
                .withListener(new PermissionListener() {
                    @Override
                    public void onPermissionGranted(PermissionGrantedR
esponse response) {
                        // TODO: Get location
                        getLocation();
                    }

                    @Override
                    public void onPermissionDenied(PermissionDeniedRes
ponse response) {
                        if (response.isPermanentlyDenied()) {
                            AlertDialog.Builder builder = new AlertDia
log.Builder(getContext());
                            builder.setTitle("Permission Denied!")
                                    .setMessage("Izin untuk mengakses
lokasi ditolak permanen, anda harus mengaktifkannya melalui pengaturan
")
                                    .setNegativeButton("Cancel", null)
                                    .setPositiveButton("OK", new Dialo
gInterface.OnClickListener() {
                                        @Override
                                        public void onClick(DialogInte
rface dialogInterface, int i) {
                                            Intent intent = new Intent
();
                                            intent.setAction(Settings.
ACTION_APPLICATION_DETAILS_SETTINGS);
                                            intent.setData(Uri.fromPar
ts("package", getContext().getPackageName(), null));
                                            startActivity(intent);
                                        }
                                    }).show();
                        } else {
                            Toast.makeText(getContext(), "Permission D
enied!", Toast.LENGTH_SHORT).show();
                        }
                    }
                })
    
```

```

        @Override
        public void onPermissionRationaleShouldBeShown(Per
missionRequest permission, PermissionToken token) {
            token.continuePermissionRequest();
        }
    }).check();

    btnKelola.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            changeFragment();
        }
    });

    tanamanSwipeRefresh.setOnRefreshListener(() ->
        tanamanPresenter.getTanamanku(Integer.valueOf(MainActi
vity.getId)));
    tanamanItemClickListener = (new TanamanAdapter.ItemClickListen
er() {
        @Override
        public void onItemClick(View view, int position) {
            int id = myTanaman.get(position).getId();
            String nama = myTanaman.get(position).getNama();
            String nama_latin = myTanaman.get(position).getNama_la
tin();
            String deskripsi = myTanaman.get(position).getDeskrips
i();
            String jenis = myTanaman.get(position).getJenis();
            String ketinggian = myTanaman.get(position).getKetingg
ian();
            String struktur_tanah = myTanaman.get(position).getStr
uktur_tanah();
            String suhu = myTanaman.get(position).getSuhu();
            String ph = myTanaman.get(position).getPh();
            String kelembapan = myTanaman.get(position).getKelemba
pan();
            String tekanan = myTanaman.get(position).getTekanan();
            String lahan = myTanaman.get(position).getLahan();
            String air = myTanaman.get(position).getAir();
            String gambar = myTanaman.get(position).getGambar();
            String date = myTanaman.get(position).getDate();

            Intent toTanamanDetail = new Intent(getActivity(), Det
ailTanamanActivity.class);
            toTanamanDetail.putExtra("id", id);
            toTanamanDetail.putExtra("nama", nama);
            toTanamanDetail.putExtra("nama_latin", nama_latin);
            toTanamanDetail.putExtra("deskripsi", deskripsi);

```

```

        toTanamanDetail.putExtra("jenis", jenis);
        toTanamanDetail.putExtra("ketinggian", ketinggian);
        toTanamanDetail.putExtra("tanah", struktur_tanah);
        toTanamanDetail.putExtra("suhu", suhu);
        toTanamanDetail.putExtra("ph", ph);
        toTanamanDetail.putExtra("kelembapan", kelembapan);
        toTanamanDetail.putExtra("tekanan", tekanan);
        toTanamanDetail.putExtra("lahan", lahan);
        toTanamanDetail.putExtra("air", air);
        toTanamanDetail.putExtra("gambar", gambar);
        toTanamanDetail.putExtra("date", date);

        startActivity(toTanamanDetail);

//          Toast.makeText(TabKebunFragment.this.getContext(), i
d + nama + jenis + ketinggian + struktur_tanah + suhu + ph, Toast.LENG
TH_SHORT).show();

    }
});

    btnCuaca.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            getLocation();
        }
    });
}

    private void changeFragment() {
        fragmentManager.beginTransaction().replace(R.id.fragment_
container, new TambahTanamanFragment()).addToBackStack(null).commit();
    }

    @SuppressWarnings("MissingPermission")
    private void getLocation() {
        mFusedLocationProviderClient.getLastLocation()
            .addOnCompleteListener(new OnCompleteListener<Location
>() {
                @Override
                public void onComplete(@NonNull Task<Location> tas
k) {
                    if (task.isSuccessful()) {
                        mLastKnownLocation = task.getResult();
                        if (mLastKnownLocation != null) {
                            latitude = String.valueOf(mLastKnownLo
cation.getLatitude());

```

```

        longitude = String.valueOf(mLastKnownL
ocation.getLongitude());
        getElevation(latitude, longitude);
        getWeather(String.valueOf(mLastKnownLo
cation.getLatitude()), String.valueOf(mLastKnownLocation.getLongitude(
)));
//          mMap.moveCamera(CameraUpdateFactory.
newLatLngZoom(new LatLng(mLastKnownLocation.getLatitude(), mLastKnownL
ocation.getLongitude()), DEFAULT_ZOOM));
    } else {
        LocationRequest locationRequest = Loca
tionRequest.create();
        locationRequest.setInterval(10000);
        locationRequest.setFastestInterval(500
0);
        locationRequest.setPriority(LocationRe
quest.PRIORITY_HIGH_ACCURACY);
        locationCallback = new LocationCallbac
k() {
            @Override
            public void onLocationResult(Locat
ionResult locationResult) {
                super.onLocationResult(locatio
nResult);
                if (locationRequest == null) {
                    return;
                }
                mLastKnownLocation = locationR
esult.getLastLocation();
//          mMap.moveCamera(CameraUpdate
Factory.newLatLngZoom(new LatLng(mLastKnownLocation.getLatitude(), mLa
stKnownLocation.getLongitude()), DEFAULT_ZOOM));
                latitude = String.valueOf(mLas
tKnownLocation.getLatitude());
                longitude = String.valueOf(mLa
stKnownLocation.getLongitude());
                getElevation(latitude, longitu
de);
                getWeather(String.valueOf(mLas
tKnownLocation.getLatitude()), String.valueOf(mLastKnownLocation.getLo
ngitude()));
                mFusedLocationProviderClient.r
emoveLocationUpdates(locationCallback);
            }
        };
        mFusedLocationProviderClient.requestLo
cationUpdates(locationRequest, locationCallback, null);
    }
}

```

```

        } else {
            Toast.makeText(getContext(), "Unable to ge
t last location", Toast.LENGTH_SHORT).show();
        }
    }
});
}

private boolean getElevation(String lat, String lon) {
    final ProgressDialog progressDialog = new ProgressDialog(getCo
ntext());
    progressDialog.setMessage("Get elevation...");
    progressDialog.show();
    String URL_READ = "https://elevation-
api.io/api/elevation?points=(" + lat + "," + lon + ")&key=0D30-
ebzSu5JIeWaVoaQb1beM01KbC";

    StringRequest stringRequest = new StringRequest(Request.Method
.GET, URL_READ,
        new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                progressDialog.dismiss();

                try {
                    JSONObject jsonObject = new JSONObject(res
ponse);
                    JSONArray jsonArray = jsonObject.getJSONAr
ray("elevations");

                    for (int i = 0; i < jsonArray.length(); i+
+) {
                        JSONObject object = jsonArray.getJSONO
bject(i);

                        elevation = object.getDouble("elevatio
n");

                        tinggi = elevation.toString();
                        tvKetinggian.setText(tinggi);

                    } catch (JSONException e) {
                        e.printStackTrace();
                        progressDialog.dismiss();
                        Toast.makeText(getActivity(), "Error: " +
e.toString(), Toast.LENGTH_SHORT).show();
                    }
                }
            }
        }
    );
}

```

```

        }
    },
    new Response.ErrorListener() {
        @Override
        public void onResponse(VolleyError error) {
            Toast.makeText(getActivity(), "Error Connectio
n DISINI: " + error.toString(), Toast.LENGTH_SHORT).show();
        }
    }) {
        @Override
        protected Map<String, String> getParams() throws AuthFailu
reError {
            Map<String, String> params = new HashMap<>();
            return params;
        }
    };
    RequestQueue requestQueue = Volley.newRequestQueue(getContext(
));
    requestQueue.add(stringRequest);
    return true;
}

private boolean getWeather(String lat, String lon) {
    final ProgressDialog progressDialog = new ProgressDialog(getCo
ntext());
    progressDialog.setMessage("Get Weather Information...");
    progressDialog.show();
    String URL_READ = "http://bonbon28.000webhostapp.com/tosca/get
weather.php";

    StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_READ,
        new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                progressDialog.dismiss();

                try {
                    JSONObject jsonObject = new JSONObject(res
ponse);
                    JSONObject location = jsonObject.getJSONOb
ject("location");

                    kota = location.getString("city");
                    provinsi = location.getString("region");
                    negara = location.getString("country");
                }
            }
        }) {
            @Override
            protected Map<String, String> getParams() throws AuthFailu
reError {
                Map<String, String> params = new HashMap<>();
                return params;
            }
        });
    requestQueue.add(stringRequest);
    return true;
}
}
}

```

```

        zona_waktu = location.getString("timezone_
id");

        JSONObject currentObeservation = jsonObjec
t.getJSONObject("current_observation");
        JSONObject atmosphere = currentObeservatio
n.getJSONObject("atmosphere");
        JSONObject condition = currentObeservation
.getJSONObject("condition");

        kelembapan = atmosphere.getString("humidit
y");
        tekanan = atmosphere.getString("pressure")
;
        suhu = condition.getString("temperature");

        tvKota.setText(kota);
        tvProvinsiNegara.setText(provinsi + ", " +
negara);

        tvSuhu.setText(suhu + " C");
        tvLatLon.setText(latitude + ", " + longitu
de);

        tvKelembapan.setText(kelembapan);
        tvTekanan.setText(tekanan);

    } catch (JSONException e) {
        e.printStackTrace();
        progressDialog.dismiss();
        Toast.makeText(getActivity(), "Error: " +
e.toString(), Toast.LENGTH_SHORT).show();
    }
    },
    new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
            Toast.makeText(getActivity(), "Error Connectio
n DISINI: " + error.toString(), Toast.LENGTH_SHORT).show();
        }
    }) {
    @Override
    protected Map<String, String> getParams() throws AuthFailu
reError {
        Map<String, String> params = new HashMap<>();
        params.put("latitude", lat);

```



```

        params.put("longitude", lon);

        return params;
    }
};
RequestQueue requestQueue = Volley.newRequestQueue(getApplicationContext(
));
requestQueue.add(stringRequest);
return true;
}

@Override
public void showLoading() {
    tanamanSwipeRefresh.setRefreshing(true);
}

@Override
public void hideLoading() {
    tanamanSwipeRefresh.setRefreshing(false);
}

@Override
public void onGetTanamanResult(List<MyTanaman> myTanaman) {
    tanamanAdapter = new TanamanAdapter(getActivity(), myTanaman,
tanamanItemClickListener);

    tanamanAdapter.notifyDataSetChanged();
    tanamanRecyclerView.setAdapter(tanamanAdapter);
    MainActivity.jumlah_tanaman = myTanaman.size();
    this.myTanaman = myTanaman;
}

@Override
public void onErrorLoading(String message) {
}
}
}

```

File 54. TabProfileFragment.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Profile;

import android.app.DatePickerDialog;
import android.content.Intent;
import android.graphics.Bitmap;
import android.os.Bundle;
import android.provider.MediaStore;

```

```

import android.support.annotation.Nullable;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.widget.GridLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.LinearLayout;
import android.widget.TextView;
import android.widget.Toast;

import com.bintang.banyan.Activity.Main.MainActivity;
import com.bintang.banyan.Model.MyPosting;
import com.bintang.banyan.R;
import com.squareup.picasso.MemoryPolicy;
import com.squareup.picasso.NetworkPolicy;
import com.squareup.picasso.Picasso;

import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.List;
import java.util.Locale;
import java.util.Objects;

import static android.app.Activity.RESULT_OK;
import static com.bintang.banyan.Activity.Main.MainActivity.profileAdapter;

public class TabProfileFragment extends Fragment implements ProfileView, View.OnClickListener {

    public static Bitmap imageprofilbitmap;
    public static ImageView fotoProfil;
    public static Button btnGantiFoto;
    public static EditText edtNama, edtEmail, edtTtl, edtAlamat, edtNoTelp;
    TextView tvJumlahTanaman;
    DatePickerDialog.OnDateSetListener date;
    Calendar myCalendar;
    //POSTINGAN=====
    =====
    public static RecyclerView profileRecyclerView;
    public static SwipeRefreshLayout profileSwipeRefresh;

```

```

    public static ProfileAdapter.ItemClickListener profileItemClickListener;

    List<MyPosting> posts;
    //=====
    =====

    @Override
    public View onCreateView(LayoutInflater inflater, @Nullable ViewGroup container,
                               @Nullable Bundle savedInstanceState) {
        View ProfileView = inflater.inflate(R.layout.fragment_tab_profile, container, false);
        // Inflate the layout for this fragment
        return ProfileView;
    }

    @Override
    public void onViewCreated(View view, Bundle savedInstanceState) {
        super.onViewCreated(view, savedInstanceState);
        initView(view);
    }

    private void initView(View view) {

        edtNama = view.findViewById(R.id.edt_profile_nama);
        edtEmail = view.findViewById(R.id.edt_profile_email);
        edtTtl = view.findViewById(R.id.edt_profile_ttl);
        edtAlamat = view.findViewById(R.id.edt_profile_alamat);
        edtNoTelp = view.findViewById(R.id.edt_profile_notelp);
        fotoProfil = view.findViewById(R.id.img_profile);
        btnGantiFoto = view.findViewById(R.id.btn_ganti_foto);
        LinearLayout txtLengkap = view.findViewById(R.id.container_lengkap);
        myCalendar = Calendar.getInstance();
        tvJumlahTanaman = view.findViewById(R.id.tv_jumlah_tanaman_profile);

        try {
            tvJumlahTanaman.setText(String.valueOf(MainActivity.jumlah_tanaman));
        } catch (Exception e) {
            e.printStackTrace();
        }

        btnGantiFoto.setOnClickListener(this);
        edtTtl.setOnClickListener(this);

        initContent(false);
    }

```

```

try {
    edtNama.setText(MainActivity.name);
    edtEmail.setText(MainActivity.email);
    edtTtl.setText(MainActivity.ttl);
    edtAlamat.setText(MainActivity.alamat);
    edtNoTelp.setText(MainActivity.notelp);

    try {
        Picasso.get().load(MainActivity.photo)
            .memoryPolicy(MemoryPolicy.NO_CACHE)
            .networkPolicy(NetworkPolicy.NO_CACHE)
            .error(R.drawable.ic_person_black_100dp)
            .into(fotoProfil);
    } catch (Exception e) {
        e.printStackTrace();
    }
} catch (Exception e) {
    e.printStackTrace();
    Toast.makeText(getApplicationContext(), e.toString(), Toast.LENGTH_SH
ORT).show();
}

if (edtNama.getText().toString().isEmpty() ||
    edtEmail.getText().toString().isEmpty() ||
    edtTtl.getText().toString().isEmpty() ||
    edtAlamat.getText().toString().isEmpty() ||
    edtNoTelp.getText().toString().isEmpty() ||
    edtNama.getText().toString().equals("null") ||
    edtEmail.getText().toString().equals("null") ||
    edtTtl.getText().toString().equals("null") ||
    edtAlamat.getText().toString().equals("null") ||
    edtNoTelp.getText().toString().equals("null")
) {
    txtLengkap.setVisibility(View.VISIBLE);
} else {
    txtLengkap.setVisibility(View.GONE);
}

profileSwipeRefresh = view.findViewById(R.id.swipe_refresh_myp
ost);

profileRecyclerView = view.findViewById(R.id.recycler_view_myp
ost);

int numberOfColumns = 3;
profileRecyclerView.setLayoutManager(new GridLayoutManager(get
Activity(), numberOfColumns));

```

```

//         profileRecyclerView.setLayoutManager(new LinearLayoutManager
(getActivity()));

        MainActivity.profilePresenter.getData(Integer.valueOf(MainActi
vity.getId));
        profileSwipeRefresh.setOnRefreshListener(
            () -
> MainActivity.profilePresenter.getData(Integer.valueOf(MainActivity.g
etId)));
    }

    private void updateLabel() {
        String myFormat = "MM/dd/yy"; //In which you need put here
        SimpleDateFormat sdf = new SimpleDateFormat(myFormat, Locale.U
S);

        edtTtl.setText(sdf.format(myCalendar.getTime()));
    }

    private void initContent(boolean kondisi) {
        edtNama.setEnabled(kondisi);
        edtNama.setFocusable(kondisi);
        edtNama.setFocusableInTouchMode(kondisi);

        edtEmail.setEnabled(kondisi);
        edtEmail.setFocusable(kondisi);
        edtEmail.setFocusableInTouchMode(kondisi);

        edtTtl.setEnabled(kondisi);
        edtTtl.setFocusable(kondisi);
        edtTtl.setFocusableInTouchMode(kondisi);

        edtAlamat.setEnabled(kondisi);
        edtAlamat.setFocusable(kondisi);
        edtAlamat.setFocusableInTouchMode(kondisi);

        edtNoTelp.setEnabled(kondisi);
        edtNoTelp.setFocusable(kondisi);
        edtNoTelp.setFocusableInTouchMode(kondisi);

        btnGantiFoto.setEnabled(kondisi);
        btnGantiFoto.setClickable(kondisi);
        if (kondisi) {
            btnGantiFoto.setVisibility(View.VISIBLE);
        } else {
            btnGantiFoto.setVisibility(View.GONE);
        }
    }

```

```

    }

    @Override
    public void onClick(View view) {
        switch (view.getId()) {
            case R.id.btn_ganti_foto:
                pilihFoto();
                break;

            case R.id.edt_profile_ttl:

                new DatePickerDialog(Objects.requireNonNull(getActivity()), date, myCalendar
                    .get(Calendar.YEAR), myCalendar.get(Calendar.M
                    ONTH),
                    myCalendar.get(Calendar.DAY_OF_MONTH)).show();

                date = new DatePickerDialog.OnDateSetListener() {

                    @Override
                    public void onDateSet(DatePicker view, int year, i
                    nt monthOfYear,
                    int dayOfMonth) {
                        // TODO myCalendar AmbIL TGL
                        myCalendar.set(Calendar.YEAR, year);
                        myCalendar.set(Calendar.MONTH, monthOfYear);
                        myCalendar.set(Calendar.DAY_OF_MONTH, dayOfMon
                        th);

                        updateLabel();
                    }

                };

                break;
        }
    }

    private void pilihFoto() {
        Intent gallery = new Intent(Intent.ACTION_PICK, MediaStore.Images.Media.INTERNAL_CONTENT_URI);
        gallery.putExtra("crop", "true");
        gallery.putExtra("aspectX", 1);
        gallery.putExtra("aspectY", 1);
        gallery.putExtra("outputX", 100);
        gallery.putExtra("outputY", 100);
        gallery.putExtra("return-data", true);
        startActivityForResult(gallery, 2);
    }
}

```

```

    }

    @Override
    public void onActivityResult(int requestCode, int resultCode, Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (resultCode == RESULT_OK && requestCode == 2 && data != null) {
            Bundle extras = data.getExtras();
            imageprofilbitmap = extras.getParcelable("data");

            fotoProfil.setImageBitmap(imageprofilbitmap);
        }
    }

    @Override
    public void showLoading() {
        profileSwipeRefresh.setRefreshing(true);
    }

    @Override
    public void hideLoading() {
        profileSwipeRefresh.setRefreshing(false);
    }

    @Override
    public void onGetMyPostResult(List<MyPosting> postings) {
        profileAdapter = new ProfileAdapter(getActivity(), postings, profileItemClickListener);
        profileAdapter.notifyDataSetChanged();
        profileRecyclerView.setAdapter(profileAdapter);
        this.posts = postings;
    }

    @Override
    public void onErrorLoading(String message) {
        Toast.makeText(getActivity(), message, Toast.LENGTH_SHORT).show();
    }
}

```

File 55. TambahCatatanPresenter.java

```

package com.bintang.banyan.Activity.DetailTanaman;

import android.support.annotation.NonNull;

```

```

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.Catatan;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class TambahCatatanPresenter {
    private TambahCatatanView view;

    public TambahCatatanPresenter(TambahCatatanView view) {
        this.view = view;
    }

    void postCatatan(final int tanaman_id, final String user_id, final
String catatan) {

        view.showProgress();

        ApiInterface apiInterface = ApiClient.getApiClient()
            .create(ApiInterface.class);
        Call<Catatan> call = apiInterface.postCatatan(tanaman_id, user
_id, catatan);

        call.enqueue(new Callback<Catatan>() {
            @Override
            public void onResponse(@NonNull Call<Catatan> call, @NonNu
ll Response<Catatan> response) {

                view.hideProgress();

                if (response.isSuccessful() && response.body() != null
) {
                    Boolean success = response.body().getSuccess();
                    if (success) {
                        view.onRequestPostCatatanSuccess(response.body
().getMessage());
                    } else {
                        view.onRequestError(response.body().getMessage
());
                    }
                }
            }
        });

        @Override

```



```

        public void onFailure(@NonNull Call<Catatan> call, @NonNul
1 Throwable t) {
            view.hideProgress();
            view.onRequestError(t.getLocalizedName());
        }
    });
}
}
}

```

File 56. TambahCatatanView.java

```

package com.bintang.banyan.Activity.DetailTanaman;

public interface TambahCatatanView {
    void showProgress();

    void hideProgress();

    void onRequestPostCatatanSuccess(String message);

    void onRequestError(String message);
}

```

File 57. TambahTanamanFragment.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun;

import android.Manifest;
import android.annotation.SuppressLint;
import android.app.ProgressDialog;
import android.content.Intent;
import android.content.IntentSender;
import android.content.pm.PackageManager;
import android.location.Location;
import android.os.Bundle;
import android.os.Handler;
import android.support.annotation.NonNull;
import android.support.v4.app.Fragment;
import android.support.v4.content.ContextCompat;
import android.text.Editable;
import android.text.TextWatcher;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.view.inputmethod.InputMethodManager;
import android.widget.AdapterView;
import android.widget.Button;

```

```
import android.widget.ImageView;
import android.widget.LinearLayout;
import android.widget.RelativeLayout;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;
import com.android.volley.toolbox.Volley;
import com.bintang.banyan.Activity.Main.TabMainFragment.Kebun.HasilRek
omendasi.HasilRekomendasiActivity;
import com.bintang.banyan.R;
import com.google.android.gms.common.api.ApiException;
import com.google.android.gms.common.api.ResolvableApiException;
import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationCallback;
import com.google.android.gms.location.LocationRequest;
import com.google.android.gms.location.LocationResult;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.location.LocationSettingsRequest;
import com.google.android.gms.location.LocationSettingsResponse;
import com.google.android.gms.location.SettingsClient;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.android.libraries.places.api.Places;
import com.google.android.libraries.places.api.model.AutoCompletePredi
ction;
import com.google.android.libraries.places.api.model.AutoCompleteSessi
onToken;
import com.google.android.libraries.places.api.model.Place;
import com.google.android.libraries.places.api.model.TypeFilter;
import com.google.android.libraries.places.api.net.FetchPlaceRequest;
import com.google.android.libraries.places.api.net.FetchPlaceResponse;
import com.google.android.libraries.places.api.net.FindAutocompletePre
dictionsRequest;
```

```

import com.google.android.libraries.places.api.net.FindAutocompletePredictionsResponse;
import com.google.android.libraries.places.api.net.PlacesClient;
import com.mancj.materialsearchbar.MaterialSearchBar;
import com.mancj.materialsearchbar.adapter.SuggestionsAdapter;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import java.util.ArrayList;
import java.util.Arrays;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

import static android.app.Activity.RESULT_OK;
import static android.content.Context.INPUT_METHOD_SERVICE;

public class TambahTanamanFragment extends Fragment implements OnMapReadyCallback {
    private final float DEFAULT_ZOOM = 18;
    public String kota, provinsi, negara, zona_waktu, kelembapan, tekanan, suhu, tinggi, latitude, longitude;
    public Spinner spinnerTanah, spinnerLahan, spinnerPengairan;
    boolean formVisible = true;
    Double elevation;
    TextView tvAlamat, tvLokasi, tvKetinggian, tvSuhu, tvKelembapan, tvTekanan;
    private GoogleMap mMap;
    private FusedLocationProviderClient mFusedLocationProviderClient;
    private PlacesClient placesClient;
    private List<AutocompletePrediction> predictionList;
    private Location mLastKnownLocation;
    private LocationCallback locationCallback;
    private MaterialSearchBar materialSearchBar;
    private View mapView;
    private Button btnRefresh, btnRekomendasi;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {

```

```

        View tambahTanamanView = inflater.inflate(R.layout.fragment_tambah_tanaman, container, false);

        // Inflate the layout for this fragment
        return tambahTanamanView;
    }

    @Override
    public void onCreateView(View view, Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        initView(view);
    }

    private void initView(View view) {
        ImageView expand = view.findViewById(R.id.btn_expand);
        RelativeLayout containerForm = view.findViewById(R.id.container_form_rekomendasi);
        btnRekomendasi = view.findViewById(R.id.btn_rekomendasi);

        tvAlamat = view.findViewById(R.id.tv_alamat);
        tvLokasi = view.findViewById(R.id.tv_lokasi);
        tvKetinggian = view.findViewById(R.id.tv_ketinggian);
        tvSuhu = view.findViewById(R.id.tv_suhu);
        tvKelembapan = view.findViewById(R.id.tv_kelembapan);
        tvTekanan = view.findViewById(R.id.tv_tekanan);

        materialSearchBar = view.findViewById(R.id.searchBar);
        LinearLayout marker = view.findViewById(R.id.marker);
        btnRefresh = view.findViewById(R.id.btn_refresh);

        spinnerTanah = view.findViewById(R.id.spinner_tanah);
        ArrayAdapter<CharSequence> adapterTanah = ArrayAdapter.createFromResource(getContext(), R.array.struktur_tanah, android.R.layout.simple_spinner_item);
        adapterTanah.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinnerTanah.setAdapter(adapterTanah);

        spinnerLahan = view.findViewById(R.id.spinner_lahan);
        ArrayAdapter<CharSequence> adapterLahan = ArrayAdapter.createFromResource(getContext(), R.array.ketersediaan_lahan, android.R.layout.simple_spinner_item);
        adapterLahan.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinnerLahan.setAdapter(adapterLahan);

        spinnerPengairan = view.findViewById(R.id.spinner_perairan);
    }

```

```

        ArrayAdapter<CharSequence> adapterPengairan = ArrayAdapter.createFromResource(getContext(), R.array.pengairan, android.R.layout.simple_spinner_item);
        adapterPengairan.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinnerPengairan.setAdapter(adapterPengairan);

        // Obtain the SupportMapFragment and get notified when the map is ready to be used.
        SupportMapFragment mapFragment = (SupportMapFragment) getChildFragmentManager().findFragmentById(R.id.map);
        mapFragment.getMapAsync(this);

        mapView = mapFragment.getView();

        mFusedLocationProviderClient = LocationServices.getFusedLocationProviderClient(getActivity());
        Places.initialize(getContext(), "AIzaSyBl6TXQnEVDmIUTG8P7mTv7v aHoyJH8rD0");
        placesClient = Places.createClient(getContext());
        AutocompleteSessionToken token = AutocompleteSessionToken.newInstance();

        materialSearchBar.setOnSearchActionListener(new MaterialSearchBar.OnSearchActionListener() {
            @Override
            public void onSearchStateChanged(boolean enabled) {

            }

            @Override
            public void onSearchConfirmed(CharSequence text) {
                getActivity().startSearch(text.toString(), true, null, true);
            }

            @Override
            public void onButtonClicked(int buttonCode) {
                if (buttonCode == MaterialSearchBar.BUTTON_NAVIGATION)
                {
                    //opening or closing a navigation drawer
                } else if (buttonCode == MaterialSearchBar.BUTTON_BACK)
                ) {
                    materialSearchBar.disableSearch();
                }
            }
        });

```



```

        Log.i("mytag", "prediction fetching task u
nsuccessful");
    }
}
});
}

@Override
public void afterTextChanged(Editable s) {

}
});

materialSearchBar.setSuggestionsClickListener(new SuggestionsA
dapter.OnItemViewClickListener() {
    @Override
    public void onItemClick(int position, View v) {
        if (position >= predictionList.size()) {
            return;
        }
        AutocompletePrediction selectedPrediction = prediction
List.get(position);
        String suggestion = materialSearchBar.getLastSuggestio
ns().get(position).toString();
        materialSearchBar.setText(suggestion);

        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                materialSearchBar.clearSuggestions();
            }
        }, 1000);
        InputMethodManager imm = (InputMethodManager) getActiv
ity().getSystemService(INPUT_METHOD_SERVICE);
        if (imm != null)
            imm.hideSoftInputFromWindow(materialSearchBar.getW
indowToken(), InputMethodManager.HIDE_IMPLICIT_ONLY);
        final String placeId = selectedPrediction.getPlaceId()
;
        List<Place.Field> placeFields = Arrays.asList(Place.Fi
eld.LAT_LNG);

        FetchPlaceRequest fetchPlaceRequest = FetchPlaceReques
t.builder(placeId, placeFields).build();
        placesClient.fetchPlace(fetchPlaceRequest).addOnSucces
sListener(new OnSuccessListener<FetchPlaceResponse>() {
            @Override

```

```

        public void onSuccess(FetchPlaceResponse fetchPlaceResponse) {
            Place place = fetchPlaceResponse.getPlace();
            Log.i("mytag", "Place found: " + place.getName());

            LatLng latLngOfPlace = place.getLatLng();
            if (latLngOfPlace != null) {
                mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(latLngOfPlace, DEFAULT_ZOOM));
            }
        }
    }).addOnFailureListener(new OnFailureListener() {
        @Override
        public void onFailure(@NonNull Exception e) {
            if (e instanceof ApiException) {
                ApiException apiException = (ApiException) e;

                apiException.printStackTrace();
                int statusCode = apiException.getStatusCode();

                Log.i("mytag", "place not found: " + e.getMessage());

                Log.i("mytag", "status code: " + statusCode);
            }
        }
    });

    @Override
    public void OnItemDeleteListener(int position, View v) {
    }
});

btnRefresh.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        LatLng currentMarkerLocation = mMap.getCameraPosition().target;

        latitude = String.valueOf(currentMarkerLocation.latitude);

        longitude = String.valueOf(currentMarkerLocation.longitude);

        tvLokasi.setText(latitude + ", " + longitude);
        getElevation(latitude, longitude);
        getWeather(latitude, longitude);
    }
});

```



```

});

expand.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if (!formVisible) {
            containerForm.setVisibility(View.VISIBLE);
            expand.setImageResource(R.drawable.ic_expand_down_
white_24dp);

            marker.setVisibility(View.GONE);
            formVisible = true;
        } else {
            containerForm.setVisibility(View.GONE);
            expand.setImageResource(R.drawable.ic_expand_up_wh
ite_24dp);

            marker.setVisibility(View.VISIBLE);
            formVisible = false;
        }
    }
});

btnRekomendasi.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        if (!tvLokasi.getText().toString().equals("-")) {
            Intent toRekomenPage = new Intent(getActivity(), H
asilRekomendasiActivity.class);
            toRekomenPage.putExtra("kota", kota);
            toRekomenPage.putExtra("provinsi", provinsi);
            toRekomenPage.putExtra("negara", negara);
            toRekomenPage.putExtra("zona", zona_waktu);
            toRekomenPage.putExtra("latitude", latitude);
            toRekomenPage.putExtra("longitude", longitude);
            toRekomenPage.putExtra("ketinggian", tinggi);
            toRekomenPage.putExtra("suhu", suhu);
            toRekomenPage.putExtra("kelembapan", kelembapan);
            toRekomenPage.putExtra("tekanan", tekanan);
            toRekomenPage.putExtra("tanah", spinnerTanah.getSe
lectedItemPosition());
            toRekomenPage.putExtra("lahan", spinnerLahan.getSe
lectedItemPosition());
            toRekomenPage.putExtra("air", spinnerPengairan.get
SelectedItemPosition());

            startActivity(toRekomenPage);
        } else {

```

```

        LatLng currentMarkerLocation = mMap.getCameraPosition().target;
        latitude = String.valueOf(currentMarkerLocation.getLatitude());
        longitude = String.valueOf(currentMarkerLocation.getLongitude());

        tvLokasi.setText(latitude + ", " + longitude);
        getElevation(latitude, longitude);
        getWeather(latitude, longitude);
    }

    });
}

private void changeFragment() {
    getFragmentManager().beginTransaction().replace(R.id.fragment_container, new TabKebunFragment()).commit();
}

private boolean getElevation(String lat, String lon) {
    final ProgressDialog progressDialog = new ProgressDialog(getContext());
    progressDialog.setMessage("Get elevation...");
    progressDialog.show();
    String URL_READ = "https://elevation-api.io/api/elevation?points=(" + lat + "," + lon + ")&key=0D30-ebzSu5JIeWaVoaQb1beM01KbC";

    StringRequest stringRequest = new StringRequest(Request.Method.GET, URL_READ,
        new Response.Listener<String>() {
            @Override
            public void onResponse(String response) {
                progressDialog.dismiss();

                try {
                    JSONObject jsonObject = new JSONObject(response);
                    JSONArray jsonArray = jsonObject.getJSONArray("elevations");

                    for (int i = 0; i < jsonArray.length(); i++) {
                        JSONObject object = jsonArray.getJSONObject(i);

```

```

        elevation = object.getDouble("elevation");
    }

    tinggi = elevation.toString();

    tvKetinggian.setText(tinggi + " MDPL");

    } catch (JSONException e) {
        e.printStackTrace();
        progressDialog.dismiss();
        Toast.makeText(getActivity(), "Error: " +
e.toString(), Toast.LENGTH_SHORT).show();

    }
    },
    new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
            Toast.makeText(getActivity(), "Error Connectio
n DISINI: " + error.toString(), Toast.LENGTH_SHORT).show();
        }
    }) {
        @Override
        protected Map<String, String> getParams() throws AuthFailu
reError {
            Map<String, String> params = new HashMap<>();
            return params;
        }
    };
    RequestQueue requestQueue = Volley.newRequestQueue(getContext(
));
    requestQueue.add(stringRequest);
    return true;
}

private boolean getWeather(String lat, String lon) {
    final ProgressDialog progressDialog = new ProgressDialog(getCo
ntext());
    progressDialog.setMessage("Get Weather Information...");
    progressDialog.show();
    String URL_READ = "http://bonbon28.000webhostapp.com/banyan/ge
tweather.php";

    StringRequest stringRequest = new StringRequest(Request.Method
.POST, URL_READ,
        new Response.Listener<String>() {

```

```

@Override
public void onResponse(String response) {
    progressDialog.dismiss();

    try {
        JSONObject jsonObject = new JSONObject(response);
        JSONObject location = jsonObject.getJSONObject("location");

        kota = location.getString("city");
        provinsi = location.getString("region");
        negara = location.getString("country");
        zona_waktu = location.getString("timezone_id");

        JSONObject currentObservation = jsonObject.getJSONObject("current_observation");
        JSONObject atmosphere = currentObservation.getJSONObject("atmosphere");
        JSONObject condition = currentObservation.getJSONObject("condition");

        kelembapan = atmosphere.getString("humidity");
        tekanan = atmosphere.getString("pressure");
        suhu = condition.getString("temperature");

        tvAlamat.setText(kota + ", " + provinsi + ", " + negara + "\nZona Waktu: " + zona_waktu);
        tvSuhu.setText(suhu + " Celcius");
        tvKelembapan.setText(kelembapan + "%");
        tvTekanan.setText(tekanan + " Milibars");

    } catch (JSONException e) {
        e.printStackTrace();
        progressDialog.dismiss();
        Toast.makeText(getActivity(), "Error: " + e.toString(), Toast.LENGTH_SHORT).show();
    }
},
new Response.ErrorListener() {
@Override
public void onErrorResponse(VolleyError error) {

```

```

        Toast.makeText(getActivity(), "Error Connectio
n DISINI: " + error.toString(), Toast.LENGTH_SHORT).show();
    }
    }) {
        @Override
        protected Map<String, String> getParams() throws AuthFailu
reError {
            Map<String, String> params = new HashMap<>();
            params.put("latitude", lat);
            params.put("longitude", lon);

            return params;
        }
    };
    RequestQueue requestQueue = Volley.newRequestQueue(getContext(
));
    requestQueue.add(stringRequest);
    return true;
}

@Override
public void onMapReady(GoogleMap googleMap) {
    mMap = googleMap;
    if (ContextCompat.checkSelfPermission(getContext(), Manifest.p
ermission.ACCESS_FINE_LOCATION) == PackageManager.PERMISSION_GRANTED)
    {
        mMap.setMyLocationEnabled(true);
    } else {
        changeFragment();
    }
    mMap.getUiSettings().setMyLocationButtonEnabled(true);

    if (mapView != null && mapView.findViewById(Integer.parseInt("
1")) != null) {
        View locationButton = ((View) mapView.findViewById(Integer
.parseInt("1")).getParent()).findViewById(Integer.parseInt("2"));
        RelativeLayout.LayoutParams layoutParams = (RelativeLayout
.LayoutParams) locationButton.getLayoutParams();
        layoutParams.addRule(RelativeLayout.ALIGN_PARENT_TOP, 0);
        layoutParams.addRule(RelativeLayout.ALIGN_PARENT_BOTTOM, R
elativeLayout.TRUE);
        layoutParams.setMargins(0, 0, 40, 180);
    }

    //check GPS

    LocationRequest locationRequest = LocationRequest.create();

```

```

        locationRequest.setInterval(10000);
        locationRequest.setFastestInterval(5000);
        locationRequest.setPriority(LocationRequest.PRIORITY_HIGH_ACCURACY);

        LocationSettingsRequest.Builder builder = new LocationSettingsRequest.Builder().addLocationRequest(locationRequest);

        SettingsClient settingsClient = LocationServices.getSettingsClient(getActivity());
        Task<LocationSettingsResponse> task = settingsClient.checkLocationSettings(builder.build());

        task.addOnSuccessListener(getActivity(), new OnSuccessListener<LocationSettingsResponse>() {
            @Override
            public void onSuccess(LocationSettingsResponse locationSettingsResponse) {
                getDeviceLocation();
            }
        });

        task.addOnFailureListener(getActivity(), new OnFailureListener() {
            @Override
            public void onFailure(@NonNull Exception e) {
                if (e instanceof ResolvableApiException) {
                    ResolvableApiException resolvableApiException = (ResolvableApiException) e;
                    try {
                        resolvableApiException.startResolutionForResult(getActivity(), 51);
                    } catch (IntentSender.SendIntentException e1) {
                        e1.printStackTrace();
                    }
                }
            }
        });

        mMap.setOnMyLocationButtonClickListener(new GoogleMap.OnMyLocationButtonClickListener() {
            @Override
            public boolean onMyLocationButtonClick() {
                if (materialSearchBar.isSuggestionsVisible()) {
                    materialSearchBar.clearSuggestions();
                }
                if (materialSearchBar.isEnabled()) {
                    materialSearchBar.disableSearch();
                }
            }
        });

```

```

        }
        return false;
    }
});

//
//      // Add a marker in Sydney and move the camera
//      LatLng sydney = new LatLng(-34, 151);
//      mMap.addMarker(new MarkerOptions().position(sydney).title("M
arker in Sydney"));
//      mMap.moveCamera(CameraUpdateFactory.newLatLng(sydney));

}

@Override
public void onActivityResult(int requestCode, int resultCode, Inte
nt data) {
    super.onActivityResult(requestCode, resultCode, data);
    if (requestCode == 51) {
        if (resultCode == RESULT_OK) {
            getDeviceLocation();
        }
    }
}

@SuppressLint("MissingPermission")
private void getDeviceLocation() {
    mFusedLocationProviderClient.getLastLocation()
        .addOnCompleteListener(new OnCompleteListener<Location
>() {
        @Override
        public void onComplete(@NonNull Task<Location> tas
k) {
            if (task.isSuccessful()) {
                mLastKnownLocation = task.getResult();
                if (mLastKnownLocation != null) {
                    mMap.moveCamera(CameraUpdateFactory.ne
wLatLngZoom(new LatLng(mLastKnownLocation.getLatitude(), mLastKnownLoc
ation.getLongitude()), DEFAULT_ZOOM));
                } else {
                    LocationRequest locationRequest = Loca
tionRequest.create();

                    locationRequest.setInterval(10000);
                    locationRequest.setFastestInterval(500
0);

                    locationRequest.setPriority(LocationRe
quest.PRIORITY_HIGH_ACCURACY);

```



```

import java.text.SimpleDateFormat;
import java.time.LocalDate;
import java.time.Period;
import java.util.Calendar;
import java.util.Date;
import java.util.List;

public class TanamanAdapter extends RecyclerView.Adapter<TanamanAdapter.ViewHolder> {
    private Context context;
    private List<MyTanaman> myTanaman;
    private ItemClickListener tanamanItemClickListener;

    public TanamanAdapter(Context context, List<MyTanaman> myTanaman, ItemClickListener tanamanItemClickListener) {
        this.context = context;
        this.myTanaman = myTanaman;
        this.tanamanItemClickListener = tanamanItemClickListener;
    }

    @NonNull
    @Override
    public RecyclerView.ViewHolder onCreateViewHolder(@NonNull ViewGroup viewGroup, int i) {
        View view = LayoutInflater.from(context).inflate(R.layout.item_mytanaman, viewGroup, false);

        return new RecyclerView.ViewHolder(view, tanamanItemClickListener);
    }

    @Override
    public void onBindViewHolder(@NonNull RecyclerView.ViewHolder viewHolder, int i) {
        MyTanaman myTanaman = this.myTanaman.get(i);

        recyclerViewAdapter.tv_nama.setText(myTanaman.getNama());
        recyclerViewAdapter.tv_nama_latin.setText(myTanaman.getNama_latin());

        String tanggal = myTanaman.getDate();
        String s = "2019-05-08 08:23:11";
        SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
        Date d = null;
        try {
            d = sdf.parse(tanggal);
        } catch (ParseException e) {
            e.printStackTrace();
        }
    }
}

```

```

    }
    Calendar c = Calendar.getInstance();
    c.setTime(d);
    int year = c.get(Calendar.YEAR);
    int month = c.get(Calendar.MONTH) + 1;
    int date = c.get(Calendar.DATE);

//    recyclerViewAdapter.tv_usia.setText(String.valueOf(year)+String
//    .valueOf(month)+String.valueOf(date));
    if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.O) {
        LocalDate l1 = LocalDate.of(year, month, date);
        LocalDate now = LocalDate.now();
        Period diff1 = Period.between(l1, now);
        String usia = null;
        if (diff1.getMonths() == 0 && diff1.getYears() == 0) {
            usia = diff1.getDays() + " Hari";
        } else if (diff1.getMonths() > 0 && diff1.getYears() == 0)
        {
            usia = diff1.getMonths() + " Bulan, " +
                diff1.getDays() + " Hari";
        } else if (diff1.getYears() > 0 && diff1.getMonths() == 0)
        {
            usia = diff1.getYears() + " Tahun, " +
                diff1.getDays() + " Hari";
        } else if (diff1.getYears() > 0 && diff1.getDays() == 0) {
            usia = diff1.getYears() + " Tahun, " +
                diff1.getMonths() + " Bulan";
        } else {
            usia = diff1.getYears() + " Tahun, " +
                diff1.getMonths() + " Bulan, " +
                diff1.getDays() + " Hari";
        }
        recyclerViewAdapter.tv_usia.setText(usia);
    }

//    recyclerViewAdapter.tv_usia.setText(diff1.getDays());
}

@Override
public int getItemCount() {
    return myTanaman.size();
}

public interface ItemClickListener {
    void onItemClick(View view, int position);
}

```

```

    public class RecyclerViewAdapter extends RecyclerView.ViewHolder implements View.OnClickListener {

        TextView tv_nama, tv_nama_latin, tv_usia;

        CardView card_item;
        ItemClickListener itemClickListener;

        RecyclerViewAdapter(View itemView, ItemClickListener itemClickListener) {
            super(itemView);

            tv_nama = itemView.findViewById(R.id.item_nama_mytanaman);
            tv_nama_latin = itemView.findViewById(R.id.item_nama_latin_mytanaman);
            tv_usia = itemView.findViewById(R.id.item_usia_mytanaman);
            card_item = itemView.findViewById(R.id.card_item);

            this.itemClickListener = itemClickListener;
            card_item.setOnClickListener(this);
        }

        @Override
        public void onClick(View view) {
            itemClickListener.onItemClick(view, getAdapterPosition());
        }
    }
}

```

File 59. TanamanLogActivity.java

```

package com.bintang.banyan.Activity.DetailTanaman;

import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;

import com.bintang.banyan.R;

public class TanamanLogActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tanaman_log);
    }
}

```

File 60. TanamanPresenter.java

```

package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun;

import android.support.annotation.NonNull;

import com.bintang.banyan.Api.ApiClient;
import com.bintang.banyan.Api.ApiInterface;
import com.bintang.banyan.Model.MyTanaman;

import java.util.List;

import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class TanamanPresenter {
    private TanamanView view;

    public TanamanPresenter(TanamanView view) {
        this.view = view;
    }

    void getTanamanku(int user_id) {
        view.showLoading();
        //Request to server
        ApiInterface apiInterface = ApiClient.getApiClient().create(ApiInterface.class);
        Call<List<MyTanaman>> call = apiInterface.getTanamanku(user_id);

        call.enqueue(new Callback<List<MyTanaman>>() {
            @Override
            public void onResponse(@NonNull Call<List<MyTanaman>> call, @NonNull Response<List<MyTanaman>> response) {
                view.hideLoading();
                if (response.isSuccessful() && response.body() != null) {
                    view.onGetTanamanResult(response.body());
                }
            }

            @Override
            public void onFailure(@NonNull Call<List<MyTanaman>> call, @NonNull Throwable t) {
                view.hideLoading();
                view.onErrorLoading(t.getLocalizedMessage());
            }
        });
    }
}

```

```
}
```

File 61. TanamanView.java

```
package com.bintang.banyan.Activity.Main.TabMainFragment.Kebun;

import com.bintang.banyan.Model.MyTanaman;

import java.util.List;

public interface TanamanView {
    void showLoading();

    void hideLoading();

    void onGetTanamanResult(List<MyTanaman> myTanaman);

    void onErrorLoading(String message);
}
```

File 62. WelcomeScreenActivity.java

```
package com.bintang.banyan.Activity.WelcomeScreen;

import android.animation.ArgbEvaluator;
import android.content.Intent;
import android.os.Bundle;
import android.support.v4.view.ViewPager;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;

import com.bintang.banyan.Activity.LoginActivity;
import com.bintang.banyan.Model.FiturWelcomeScreen;
import com.bintang.banyan.R;

import java.util.ArrayList;
import java.util.List;

public class WelcomeScreenActivity extends AppCompatActivity {

    ViewPager viewPager;
    WelcomeScreenAdapter adapter;
    List<FiturWelcomeScreen> fitur;
    Integer[] colors = null;
    ArgbEvaluator argbEvaluator = new ArgbEvaluator();
    Button btn_ok;

    @Override
```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_welcome_screen);

    fitur = new ArrayList<>();
    fitur.add(new FiturWelcomeScreen(R.drawable.fitur_1, getString(
R.string.judul_fitur_1), getString(R.string.desc_fitur_1)));
    fitur.add(new FiturWelcomeScreen(R.drawable.fitur_2, getString(
R.string.judul_fitur_2), getString(R.string.desc_fitur_2)));
    fitur.add(new FiturWelcomeScreen(R.drawable.fitur_3, getString(
R.string.judul_fitur_3), getString(R.string.desc_fitur_3)));
    fitur.add(new FiturWelcomeScreen(R.drawable.fitur_4, getString(
R.string.judul_fitur_4), getString(R.string.desc_fitur_4)));

    adapter = new WelcomeScreenAdapter(fitur, this);

    viewPager = findViewById(R.id.viewPagerWelcome);
    viewPager.setAdapter(adapter);
    viewPager.setClipToPadding(false);
    viewPager.setPadding(130, 300, 130, 400);
    viewPager.setClipToPadding(false);

    Integer[] colors_temp = {
        getResources().getColor(R.color.color1),
        getResources().getColor(R.color.color2),
        getResources().getColor(R.color.color3),
        getResources().getColor(R.color.color4),
    };

    btn_ok = findViewById(R.id.btn_welcome);

    btn_ok.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            startActivity(new Intent(WelcomeScreenActivity.this, L
oginActivity.class));
            finish();
        }
    });

    colors = colors_temp;
    viewPager.setOnPageChangeListener(new ViewPager.OnPageChangeLi
stener() {
        @Override
        public void onPageScrolled(int position, float positionOff
set, int positionOffsetPixels) {
            if (position < (adapter.getCount() - 1) && position <
(colors.length - 1)) {

```

```

        viewPager.setBackgroundColor(
            (Integer) argbEvaluator.evaluate(
                positionOffset,
                colors[position],
                colors[position + 1]
            )
        );
    } else {
        viewPager.setBackgroundColor(colors[colors.length
- 1]);
    }
    if (position != 3) {
        btn_ok.setVisibility(View.GONE);
    } else {
        btn_ok.setVisibility(View.VISIBLE);
    }
}

@Override
public void onPageSelected(int i) {

}

@Override
public void onPageScrollStateChanged(int i) {

}
});
}
}

```

File 63. WelcomeScreenAdapter.java

```

package com.bintang.banyan.Activity.WelcomeScreen;

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v4.view.PagerAdapter;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import com.bintang.banyan.Model.FiturWelcomeScreen;
import com.bintang.banyan.R;

import java.util.List;

```

```

public class WelcomeScreenAdapter extends PagerAdapter {

    private List<FiturWelcomeScreen> models;
    private LayoutInflater inflater;
    private Context context;

    public WelcomeScreenAdapter(List<FiturWelcomeScreen> models, Context context) {
        this.models = models;
        this.context = context;
    }

    @Override
    public int getCount() {
        return models.size();
    }

    @Override
    public boolean isViewFromObject(@NonNull View view, @NonNull Object o) {
        return view.equals(o);
    }

    @NonNull
    @Override
    public Object instantiateItem(@NonNull ViewGroup container, int position) {
        inflater = LayoutInflater.from(context);
        View view = inflater.inflate(R.layout.item_welcome, container, false);

        ImageView imageView;
        TextView title, desc;

        imageView = view.findViewById(R.id.image_welcome);
        title = view.findViewById(R.id.title_welcome);
        desc = view.findViewById(R.id.desc_welcome);

        imageView.setImageResource(models.get(position).getImage());
        title.setText(models.get(position).getTitle());
        desc.setText(models.get(position).getDesc());

        container.addView(view, 0);
        return view;
    }
}

```



```
@Override
public void destroyItem(@NonNull ViewGroup container, int position
, @NonNull Object object) {
    container.removeView((View) object);
}
}
```

XML

File 64. activity_about.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout xmlns:android="http://
/schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.AboutActivity">

    <android.support.design.widget.AppBarLayout
        android:id="@+id/app_bar_layout"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:fitsSystemWindows="true"
        android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar">

        <android.support.design.widget.CollapsingToolbarLayout
            android:layout_width="match_parent"
            android:layout_height="350dp"
            android:fitsSystemWindows="true"
            app:collapsedTitleTextAppearance="@font/michela"
            app:contentScrim="@color/colorPrimaryDark"
            app:expandedTitleTextAppearance="@font/michela"
            app:layout_scrollFlags="scroll|snap|exitUntilCollapsed"
            app:title="@string/app_name">

            <ImageView
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:scaleType="centerCrop"
                android:src="@drawable/bg_collapsing_toolbar"
                app:layout_collapseMode="parallax" />

            <android.support.v7.widget.Toolbar
                android:id="@+id/about_toolbar"
                android:layout_width="match_parent"
                android:layout_height="?attr/actionBarSize"
                app:layout_collapseMode="pin"
                app:title="@string/app_name"
                app:titleTextAppearance="@style/Toolbar.TitleText" />

        </android.support.design.widget.CollapsingToolbarLayout>

    </android.support.design.widget.AppBarLayout>

    <android.support.v4.widget.NestedScrollView
```

```
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:clipToPadding="false"
        app:layout_behavior="android.support.design.widget.AppBarLayout
t$ScrollingViewBehavior">

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="16dp"
        app:cardElevation="5dp"
        app:cardUseCompatPadding="true">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:orientation="horizontal"
                android:padding="12dp">

                <ImageView
                    android:layout_width="0dp"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center_vertical"
                    android:layout_weight="1"
                    android:src="@mipmap/ic_launcher" />

                <TextView
                    android:layout_width="0dp"
                    android:layout_height="wrap_content"
                    android:layout_weight="9"
                    android:gravity="center_vertical"
                    android:padding="12dp"
                    android:text="@string/app_team"
                    android:textColor="@color/colorPrimary"
                    android:textSize="20sp"
                    android:textStyle="bold" />
            </LinearLayout>

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginTop="12dp"
                android:lineSpacingMultiplier="1.5"
```

```

        android:padding="12dp"
        android:text="@string/app_desc"
        android:textSize="13sp" />

    </LinearLayout>
</android.support.v7.widget.CardView>

</android.support.v4.widget.NestedScrollView>

<android.support.design.widget.FloatingActionButton
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginRight="20dp"
    android:elevation="5dp"
    android:src="@drawable/ic_share_black_24dp"
    app:layout_anchor="@id/app_bar_layout"
    app:layout_anchorGravity="bottom|right"
    app:pressedTranslationZ="12dp" />
</android.support.design.widget.CoordinatorLayout>

```

File 65. activity_add_post.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.AddPost.AddPostActivity">

    <android.support.v4.widget.NestedScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_below="@id/toolbar">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <android.support.v7.widget.CardView
                android:id="@+id/container_iv_post"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginBottom="5dp">

                <ImageView
                    android:id="@+id/iv_post"

```

```
        android:layout_width="400dp"
        android:layout_height="400dp"
        android:layout_gravity="center_horizontal"
        android:src="@drawable/ic_banyan_496px_post" />

</android.support.v7.widget.CardView>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_above="@id/container_btn_posting"
    android:layout_below="@id/container_iv_post"
    android:orientation="vertical"
    android:paddingLeft="20dp"
    android:paddingTop="10dp"
    android:paddingRight="20dp">

    <android.support.design.widget.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp">

        <EditText
            android:id="@+id/edt_judul"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Judul"
            android:inputType="text"
            android:textColor="@color/colorPrimaryDark" />
    </android.support.design.widget.TextInputLayout>

    <android.support.design.widget.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp">

        <EditText
            android:id="@+id/edt_deskripsi"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="top"
            android:hint="Deskripsi"
            android:inputType="textMultiLine"
            android:minLines="7"
            android:textColor="@color/colorPrimaryDark" />
    </android.support.design.widget.TextInputLayout>
```

```

        </LinearLayout>
    </LinearLayout>

</android.support.v4.widget.NestedScrollView>

<LinearLayout
    android:id="@+id/container_btn_posting"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:elevation="5dp">

    <Button
        android:id="@+id/btn_send_post"
        style="@style/Widget.AppCompat.Toolbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:background="@drawable/background_button"
        android:fontFamily="@font/redhattext_regular"
        android:text="Kirim"
        android:textColor="@android:color/white" />

</LinearLayout>

<android.support.v7.widget.Toolbar
    android:id="@+id/toolbar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@android:color/white"
    android:elevation="5dp"
    app:logo="@mipmap/ic_launcher"
    app:title="Posting Yuk"
    app:titleMarginStart="40dp"
    app:titleTextAppearance="@style/Toolbar.TitleText">

</android.support.v7.widget.Toolbar>

</RelativeLayout>

```

File 66. activity_detail_post.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/andr
oid"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"

```

```

        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:context=".Activity.DetailPost.DetailPostActivity">

        <android.support.design.widget.CoordinatorLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_above="@id/container_btn_posting">

            <android.support.design.widget.AppBarLayout
                android:id="@+id/app_bar_layout"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:fitsSystemWindows="true"
                android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBa
            r">

                <android.support.design.widget.CollapsingToolbarLayout
                    android:id="@+id/toolbar_post_collapsing"
                    android:layout_width="match_parent"
                    android:layout_height="350dp"
                    android:fitsSystemWindows="true"
                    app:contentScrim="@color/colorPrimaryDark"
                    app:layout_scrollFlags="scroll|snap|exitUntilCollapsed
                ">

                    <ImageView
                        android:id="@+id/iv_post_detail"
                        android:layout_width="match_parent"
                        android:layout_height="match_parent"
                        android:scaleType="centerCrop"
                        android:src="@drawable/bg_collapsing_toolbar"
                        app:layout_collapseMode="parallax" />

                    <android.support.v7.widget.Toolbar
                        android:id="@+id/toolbar_post"
                        android:layout_width="match_parent"
                        android:layout_height="?attr/actionBarSize"
                        app:layout_collapseMode="pin"
                        app:titleTextAppearance="@style/Toolbar.TitleText"
                    />

                </android.support.design.widget.CollapsingToolbarLayout>

            </android.support.design.widget.AppBarLayout>

            <android.support.v4.widget.SwipeRefreshLayout
                android:id="@+id/swipe_refresh_komentar"

```



```

        android:layout_marginLeft="5dp"
        android:orientation="vertical"
        android:padding="5dp">

        <TextView
            android:id="@+id/tv_user_name_
            android:layout_width="match_pa
            android:layout_height="wrap_co
            android:gravity="center_vertic
            android:text="@string/app_team
            android:textColor="@color/colo
            android:textSize="20sp"
            android:textStyle="bold" />

        <LinearLayout
            android:layout_width="match_pa
            android:layout_height="wrap_co
            android:layout_marginTop="10dp
            android:layout_marginBottom="1
            android:gravity="center_vertic
            android:orientation="horizonta
        >

        <ImageView
            android:layout_width="25dp
            android:layout_height="25d
            android:src="@drawable/ic_
            date_range_black_24dp" />

        <TextView
            android:id="@+id/tv_tangga
            android:layout_width="matc
            h_parent"

```

```

        android:layout_height="wrap_content"
        android:layout_marginLeft="5dp"
        android:gravity="left"
        android:text="28/10/2020"
    />

    </LinearLayout>

    </LinearLayout>
</LinearLayout>

    <TextView
        android:id="@+id/tv_deskripsi_detail"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:lineSpacingMultiplier="1.5"
        android:padding="12dp"
        android:text="@string/app_desc"
        android:textSize="13sp" />

    </LinearLayout>

</android.support.v7.widget.CardView>

    <android.support.v7.widget.RecyclerView
        android:id="@+id/recycler_view_komen"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

</LinearLayout>

</android.support.v4.widget.NestedScrollView>

</android.support.v4.widget.SwipeRefreshLayout>

    <android.support.design.widget.FloatingActionButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/fab_share"
        android:layout_marginRight="20dp"
        android:elevation="5dp"
        android:src="@drawable/ic_share_black_24dp"
        app:layout_anchor="@id/app_bar_layout"
        app:layout_anchorGravity="bottom|right"
        app:pressedTranslationZ="12dp" />

```

```
</android.support.design.widget.CoordinatorLayout>

<android.support.v7.widget.CardView
    android:id="@+id/container_btn_posting"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    app:cardElevation="5dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:elevation="5dp">

        <android.support.design.widget.TextInputLayout
            android:layout_width="match_parent"
            android:layout_height="80dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="10dp"
            android:layout_toLeftOf="@id/btn_send_komen">

            <EditText
                android:inputType="text"
                android:id="@+id/edt_comment"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:gravity="top|left"
                android:hint="Comment here." />

        </android.support.design.widget.TextInputLayout>

        <Button
            android:id="@+id/btn_send_komen"
            style="@style/Widget.AppCompat.Toolbar"
            android:layout_width="100dp"
            android:layout_height="wrap_content"
            android:layout_alignParentRight="true"
            android:layout_centerVertical="true"
            android:layout_margin="10dp"
            android:layout_marginTop="10dp"
            android:background="@drawable/background_button"
            android:fontFamily="@font/redhattext_regular"
            android:text="Kirim"
            android:textColor="@android:color/white" />

    </RelativeLayout>

</android.support.v7.widget.CardView>
```

```
</RelativeLayout>
```

File 67. activity_detail_rekomendasi_tanaman.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout xmlns:android="http://
schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.DetailRekomendasiTanaman.DetailRekomendas
iTanamanActivity">

    <android.support.design.widget.AppBarLayout
        android:id="@+id/app_bar_layout"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:fitsSystemWindows="true"
        android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar">

        <android.support.design.widget.CollapsingToolbarLayout
            android:layout_width="match_parent"
            android:layout_height="350dp"
            android:fitsSystemWindows="true"
            app:collapsedTitleTextAppearance="@font/michela"
            app:contentScrim="@color/colorPrimaryDark"
            app:expandedTitleTextAppearance="@font/michela"
            app:layout_scrollFlags="scroll|snap|exitUntilCollapsed">

            <ImageView
                android:id="@+id/iv_gambar_rekomendasi_tanaman"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:scaleType="centerCrop"
                android:src="@drawable/bg_collapsing_toolbar"
                app:layout_collapseMode="parallax" />

            <android.support.v7.widget.Toolbar
                android:id="@+id/detail_rekomendasi_toolbar"
                android:layout_width="match_parent"
                android:layout_height="?attr/actionBarSize"
                app:layout_collapseMode="pin"
                app:titleTextAppearance="@style/Toolbar.TitleText" />

        </android.support.design.widget.CollapsingToolbarLayout>

    </android.support.design.widget.AppBarLayout>
```

```

<android.support.v4.widget.NestedScrollView
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:clipToPadding="false"
    app:layout_behavior="android.support.design.widget.AppBarLayout$ScrollingViewBehavior">

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="16dp"
        app:cardElevation="5dp"
        app:cardUseCompatPadding="true">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:orientation="horizontal"
                android:padding="12dp">

                <ImageView
                    android:layout_width="0dp"
                    android:layout_height="80dp"
                    android:layout_gravity="center_vertical"
                    android:layout_weight="1"
                    android:src="@drawable/ic_plant" />

                <LinearLayout
                    android:layout_width="0dp"
                    android:layout_height="wrap_content"
                    android:layout_gravity="center_vertical"
                    android:layout_marginLeft="10dp"
                    android:layout_weight="9"
                    android:orientation="vertical">

                    <TextView
                        android:id="@+id/tv_nama_latin_rekomendasi_tanaman"
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:gravity="center_vertical"
                        android:paddingRight="20dp"
                        android:text="Lavandula"

```

```

        android:textColor="@color/colorPrimaryDark"
    """
        android:textSize="23sp"
        android:textStyle="bold|italic" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="3dp"
            android:gravity="center_vertical"
            android:text="(nama latin)"
            android:textColor="@color/colorPrimary"
            android:textSize="15sp" />

        </LinearLayout>
    </LinearLayout>

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="5dp"
        app:cardElevation="5dp"
        app:cardUseCompatPadding="true">

        <GridLayout
            android:id="@+id/grid_view_rekomendasi_tanaman
            """
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:columnCount="3"
            android:paddingLeft="12dp"
            android:paddingTop="12dp"
            android:paddingRight="12dp"
            android:paddingBottom="12dp">

            <TextView
                style="@style/deskripsi_style"
                android:layout_width="140dp"
                android:text="Jenis" />

            <TextView
                style="@style/deskripsi_style"
                android:text=" : " />

            <TextView
                android:id="@+id/tv_jenis_rekomendasi_tana
                man"
                style="@style/deskripsi_style"

```

```

        android:text="Bunga" />

        <TextView
            style="@style/deskripsi_style"
            android:text="Ketinggian" />

        <TextView
            style="@style/deskripsi_style"
            android:text=" : " />

        <TextView
            android:id="@+id/tv_ketinggian_rekomendasi
_tanaman"

            style="@style/deskripsi_style"
            android:text="256 MDPL" />

        <TextView
            style="@style/deskripsi_style"
            android:text="Kondisi Tanah" />

        <TextView
            style="@style/deskripsi_style"
            android:text=" : " />

        <TextView
            android:id="@+id/tv_tanah_rekomendasi_tana
man"

            style="@style/deskripsi_style"
            android:text="Lembab" />

        <TextView
            style="@style/deskripsi_style"
            android:text="Suhu Lingkungan" />

        <TextView
            style="@style/deskripsi_style"
            android:text=" : " />

        <TextView
            android:id="@+id/tv_suhu_rekomendasi_tanam
an"

            style="@style/deskripsi_style"
            android:text="30C" />

        <TextView
            style="@style/deskripsi_style"
            android:text="pH" />

```

```

<TextView
    style="@style/deskripsi_style"
    android:text=" : " />

<TextView
    android:id="@+id/tv_ph_rekomendasi_tanaman
"
    style="@style/deskripsi_style"
    android:text="7" />

<TextView
    style="@style/deskripsi_style"
    android:text="Kelembapan Udara" />

<TextView
    style="@style/deskripsi_style"
    android:text=" : " />

<TextView
    android:id="@+id/tv_kelembapan_rekomendasi
_tanaman"
    style="@style/deskripsi_style"
    android:text="40%" />

<TextView
    style="@style/deskripsi_style"
    android:text="Tekanan Udara" />

<TextView
    style="@style/deskripsi_style"
    android:text=" : " />

<TextView
    android:id="@+id/tv_tekanan_rekomendasi_ta
naman"
    style="@style/deskripsi_style"
    android:text="30 milibar" />

<TextView
    style="@style/deskripsi_style"
    android:text="Lahan" />

<TextView
    style="@style/deskripsi_style"
    android:text=" : " />

<TextView

```



```

                android:id="@+id/tv_lahan_rekomendasi_tana
man"
                style="@style/deskripsi_style"
                android:text="-10m2" />

                <TextView
                    style="@style/deskripsi_style"
                    android:text="Kebutuhan Air" />

                <TextView
                    style="@style/deskripsi_style"
                    android:text=" : " />

                <TextView
                    android:id="@+id/tv_air_rekomendasi_tanama
n"
                    style="@style/deskripsi_style"
                    android:text="Sedang" />
            </GridLayout>

        </android.support.v7.widget.CardView>

        <TextView
            android:id="@+id/tv_deskripsi_rekomendasi_tanaman"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="7dp"
            android:lineSpacingMultiplier="1.5"
            android:padding="12dp"
            android:textSize="13sp" />

        </LinearLayout>
    </android.support.v7.widget.CardView>

</android.support.v4.widget.NestedScrollView>

<Button
    android:id="@+id/btn_tanam_rekomendasi_tanaman"
    style="@style/Widget.AppCompat.Toolbar"
    android:layout_width="120dp"
    android:layout_height="50dp"
    android:layout_marginRight="20dp"
    android:background="@drawable/background_button"
    android:elevation="5dp"
    android:text="Tanam Kuy!"
    android:textColor="@color/putih"
    app:layout_anchor="@id/app_bar_layout"
    app:layout_anchorGravity="bottom|right" />

```

```
</android.support.design.widget.CoordinatorLayout>
```

File 68. activity_detail_tanaman.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".Activity.DetailTanaman.DetailTanamanActivity">

    <android.support.v7.widget.Toolbar
        android:id="@+id/toolbar_tanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/colorPrimaryDark"
        android:elevation="5dp"
        app:theme="@style/ToolbarTheme"
        app:title="Plant Detail"
        app:titleTextAppearance="@style/Toolbar.TitleText"
        app:titleTextColor="@color/putih">

    </android.support.v7.widget.Toolbar>

    <android.support.v4.widget.SwipeRefreshLayout
        android:id="@+id/swipe_refresh_catatan"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/toolbar_tanaman">

        <android.support.v4.widget.NestedScrollView
            android:layout_width="match_parent"
            android:layout_height="wrap_content">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:orientation="vertical"
                android:paddingLeft="10dp"
                android:paddingRight="10dp">

                <RelativeLayout
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content">

                    <LinearLayout
```

tanaman"

```
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_alignParentRight="true"  
android:layout_marginTop="-100dp"  
android:layout_marginRight="10dp"  
android:background="@drawable/background_usia_
```

```
android:gravity="center_horizontal"  
android:orientation="vertical"  
android:paddingLeft="10dp"  
android:paddingTop="110dp"  
android:paddingRight="10dp"  
android:paddingBottom="10dp">
```

```
<TextView  
    android:id="@+id/tv_usia_tanaman"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:fontFamily="@font/redhattext_bold"  
    android:text="25"  
    android:textColor="@color/putih"  
    android:textSize="40sp" />
```

```
<TextView  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="@string/tv_hari"  
    android:textColor="@color/putih" />
```

```
</LinearLayout>
```

```
<ImageView  
    android:id="@+id/iv_tanaman"  
    android:layout_width="70dp"  
    android:layout_height="70dp"  
    android:layout_centerVertical="true"  
    android:src="@drawable/ic_plant" />
```

```
<LinearLayout  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_centerVertical="true"  
    android:layout_gravity="center_vertical"  
    android:layout_marginLeft="10dp"  
    android:layout_toRightOf="@id/iv_tanaman"  
    android:orientation="vertical">
```

```
<TextView  
    android:id="@+id/tv_nama_tanaman"
```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="@font/redhattext_regul
ar"

        android:text="Bougenville"
        android:textColor="@color/colorPrimaryDark"

        android:textSize="30sp"
        android:textStyle="bold" />

<TextView
    android:id="@+id/tv_nama_latin_tanaman"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Bougainvillea"
    android:textStyle="italic" />

</LinearLayout>
</RelativeLayout>

<GridLayout
    android:id="@+id/grid_view_kebun"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/container_cuaca"
    android:columnCount="4"
    android:rowCount="1"
    android:textColor="@color/colorPrimaryDark">

    <!--row1, kolom1-->
    <android.support.v7.widget.CardView
        android:layout_columnWeight="1"
        android:layout_margin="5dp"
        app:cardCornerRadius="5dp"
        app:cardElevation="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:orientation="vertical"
            android:paddingTop="5dp"
            android:paddingBottom="5dp">

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"

```

```

        android:layout_gravity="center_horizon
tal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="Light"
        android:textSize="10sp" />

        <TextView
            android:id="@+id/tv_cahaya"
            android:layout_width="69dp"
            android:layout_height="60dp"
            android:layout_gravity="center_horizon
tal"
            android:gravity="center"
            android:singleLine="true"
            android:text="200"
            android:textColor="@color/colorPrimary
Dark"
            android:textSize="25sp"
            android:textStyle="bold" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizon
tal"
            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="lux"
            android:textColor="@color/colorPrimary
"
            android:textSize="10sp"
            android:textStyle="italic" />

    </LinearLayout>

</android.support.v7.widget.CardView>

<!--row1, kolom2 -->
<android.support.v7.widget.CardView
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:paddingTop="5dp"
        android:paddingBottom="5dp" >

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizon
tal"

            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Temperature"
            android:textSize="10sp" />

        <TextView
            android:id="@+id/tv_suhu"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_gravity="center_horizon
tal"

            android:gravity="center"
            android:singleLine="true"
            android:text="27"
            android:textColor="@color/colorPrimary
Dark"

            android:textSize="25sp"
            android:textStyle="bold" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizon
tal"

            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Celcius"
            android:textColor="@color/colorPrimary
"

            android:textSize="10sp"
            android:textStyle="italic" />

    </LinearLayout>

</android.support.v7.widget.CardView>

<!--row1, kolom3-->

```

```

<android.support.v7.widget.CardView
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:paddingTop="5dp"
        android:paddingBottom="5dp">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizon

tal"

            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Humidity"
            android:textSize="10sp" />

        <TextView
            android:id="@+id/tv_lembab_udara"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_gravity="center_horizon

tal"

            android:gravity="center"
            android:singleLine="true"
            android:text="34"
            android:textColor="@color/colorPrimary

Dark"

            android:textSize="25sp"
            android:textStyle="bold" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizon

tal"

            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="%"

```

```

        android:textColor="@color/colorPrimary
"
        android:textSize="10sp"
        android:textStyle="italic" />

</LinearLayout>

</android.support.v7.widget.CardView>

<!--row1, kolom4-->
<android.support.v7.widget.CardView
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:paddingTop="5dp"
        android:paddingBottom="5dp">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_hori-
tal"

            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Soil Moisture"
            android:textSize="10sp" />

        <TextView
            android:id="@+id/tv_lembab_tanah"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_gravity="center"
            android:gravity="center"
            android:singleLine="true"
            android:text="70"
            android:textColor="@color/colorPrimary
Dark"

            android:textSize="25sp"
            android:textStyle="bold" />

```



```

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizon
tal"
            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="%"
            android:textColor="@color/colorPrimary
"
            android:textSize="10sp"
            android:textStyle="italic" />

        </LinearLayout>

    </android.support.v7.widget.CardView>

</GridLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="7dp"
    android:orientation="horizontal"
    android:weightSum="5">

    <Button
        android:id="@+id/btn_siram"
        style="@style/Widget.AppCompat.Toolbar"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_margin="3dp"
        android:layout_weight="1"
        android:background="@drawable/background_butto
n"
        android:text="@string/btn_siram"
        android:textColor="@color/putih" />

    <Button
        android:id="@+id/btn_pupuk"
        style="@style/Widget.AppCompat.Toolbar"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_margin="3dp"
        android:layout_weight="1"
        android:background="@drawable/background_butto
n"
        android:text="@string/fertilize"

```

```

        android:textColor="@color/putih" />

<Button
    android:id="@+id/btn_detail"
    style="@style/Widget.AppCompat.Toolbar"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_margin="3dp"
    android:layout_weight="1"
    android:background="@drawable/background_butto
n"

    android:text="@string/btn_detail"
    android:textColor="@color/putih" />

<Button
    android:id="@+id/btn_log"
    style="@style/Widget.AppCompat.Toolbar"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_margin="3dp"
    android:layout_weight="1"
    android:background="@drawable/background_butto
n"

    android:text="@string/btn_log"
    android:textColor="@color/putih" />

<Button
    android:id="@+id/btn_catatan"
    style="@style/Widget.AppCompat.Toolbar"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_margin="3dp"
    android:layout_weight="1"
    android:background="@drawable/background_butto
n"

    android:text="@string/btn_tambah_catatan"
    android:textColor="@color/putih" />

</LinearLayout>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="@string/tv_catatan"
    android:textColor="@color/colorPrimaryDark"
    android:textSize="15sp" />

```

```
        <View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:layout_marginTop="2dp"
            android:background="@color/colorAccent" />

        <android.support.v7.widget.RecyclerView
            android:id="@+id/recycler_view_catatan"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp" />
    </LinearLayout>

</android.support.v4.widget.NestedScrollView>

</android.support.v4.widget.SwipeRefreshLayout>

<android.support.v7.widget.CardView
    android:id="@+id/container_catatan_tanaman"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:visibility="gone"
    app:cardElevation="5dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:elevation="5dp">

        <android.support.design.widget.TextInputLayout
            android:layout_width="match_parent"
            android:layout_height="80dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="10dp"
            android:layout_toLeftOf="@id/btn_send_catatan">

            <EditText
                android:id="@+id/edt_catatan"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:gravity="top|left"
                android:hint="Tambahkan Catatan"
                android:inputType="text" />

        </android.support.design.widget.TextInputLayout>

    <Button
```

```

        android:id="@+id/btn_send_catatan"
        style="@style/Widget.AppCompat.Toolbar"
        android:layout_width="100dp"
        android:layout_height="wrap_content"
        android:layout_alignParentRight="true"
        android:layout_centerVertical="true"
        android:layout_margin="10dp"
        android:layout_marginTop="10dp"
        android:background="@drawable/background_button"
        android:fontFamily="@font/redhattext_regular"
        android:text="Kirim"
        android:textColor="@android:color/white" />

    </RelativeLayout>

</android.support.v7.widget.CardView>

</RelativeLayout>

```

File 69. activity_hasil_rekomendasi.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/colorPrimaryDark"
    android:orientation="vertical"
    tools:context=".Activity.Main.TabMainFragment.Kebun.HasilRekomendasi.HasilRekomendasiActivity">

    <android.support.v7.widget.Toolbar
        android:id="@+id/toolbar_hasil_rekomendasi"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/colorPrimaryDark"
        android:elevation="5dp"
        app:theme="@style/ToolbarTheme"
        app:title="Pilihan Tanaman"
        app:titleTextAppearance="@style/Toolbar.TitleText"
        app:titleTextColor="@color/putih">

    </android.support.v7.widget.Toolbar>

    <android.support.v4.widget.SwipeRefreshLayout
        android:id="@+id/swipe_refresh_hasil"

```

```
android:layout_width="match_parent"
android:layout_height="wrap_content">

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:paddingBottom="7dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="10dp">

        <LinearLayout
            android:id="@+id/container_suhu_hasil"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentRight="true"
            android:gravity="center_vertical"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="50dp"
                android:layout_height="50dp"
                android:src="@drawable/ic_suhu" />

            <TextView
                android:id="@+id/tv_suhu_hasil"
                style="@style/tvHasilRekomendasi"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:fontFamily="@font/redhattext_regular"
                android:text="25.0 C"
                android:textSize="45sp"
                android:textStyle="bold" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/container_suhu_hasil"
            android:layout_alignParentRight="true"
            android:gravity="center_vertical"
            android:orientation="horizontal">

            <TextView
                android:id="@+id/tv_lat_lon_hasil"
```

```

        style="@style/tvHasilRekomendasi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginRight="2dp"
        android:text="-7.0000000,100000000"
        android:textColor="@color/colorAccent" />

<ImageView
    android:layout_width="20dp"
    android:layout_height="20dp"
    android:src="@drawable/ic_pin" />

</LinearLayout>

<TextView
    android:id="@+id/tv_tanggal_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="2 Juli 2019" />

<TextView
    android:id="@+id/tv_kota_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/tv_tanggal_hasil"
    android:fontFamily="@font/redhattext_bold"
    android:maxLength="12"
    android:text="Gunungpati"
    android:textSize="30sp" />

<TextView
    android:id="@+id/tv_provinsi_negara_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/tv_kota_hasil"
    android:text="Jawa Tengah, Indonesia" />

</RelativeLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="85dp"
    android:orientation="horizontal"
    android:paddingLeft="5dp"
    android:paddingTop="5dp"

```

```

android:paddingRight="5dp"
android:weightSum="3">

<RelativeLayout
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="1">

    <TextView
        android:id="@+id/tv_ketinggian_hasil"
        style="@style/tvHasilRekomendasi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:fontFamily="@font/redhattext_bold"
        android:singleLine="true"
        android:text="224.5"
        android:textColor="@color/colorAccent"
        android:textSize="30sp" />

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/tv_ketinggian_hasil"
        android:layout_centerHorizontal="true"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:src="@drawable/ic_elevation" />

        <TextView
            style="@style/tvHasilRekomendasi"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginLeft="5dp"
            android:fontFamily="@font/redhattext_itali
c"

            android:text="MDPL"
            android:textSize="18sp"
            android:textStyle="bold" />

    </LinearLayout>

</RelativeLayout>

<RelativeLayout

```

```

android:layout_width="0dp"
android:layout_height="match_parent"
android:layout_weight="1">

<TextView
    android:id="@+id/tv_kelembapan_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerHorizontal="true"
    android:fontFamily="@font/redhattext_bold"
    android:singleLine="true"
    android:text="79"
    android:textColor="@color/colorAccent"
    android:textSize="30sp" />

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/tv_kelembapan_hasil"
    android:layout_centerHorizontal="true"
    android:orientation="horizontal">

    <ImageView
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:src="@drawable/ic_humidity" />

    <TextView
        style="@style/tvHasilRekomendasi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/tv_kelembapan_ha
sil"

        android:layout_centerHorizontal="true"
        android:layout_marginLeft="5dp"
        android:fontFamily="@font/redhattext_itali
c"

        android:text="%"
        android:textSize="18sp"
        android:textStyle="bold" />
    </LinearLayout>

</RelativeLayout>

<RelativeLayout
    android:layout_width="0dp"
    android:layout_height="match_parent"

```



```

        android:layout_weight="1">

        <TextView
            android:id="@+id/tv_tekanan_hasil"
            style="@style/tvHasilRekomendasi"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:fontFamily="@font/redhattext_bold"
            android:singleLine="true"
            android:text="29.68"
            android:textColor="@color/colorAccent"
            android:textSize="30sp" />

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/tv_tekanan_hasil"
            android:layout_centerHorizontal="true"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_alignParentBottom="true"
                android:src="@drawable/ic_pressure" />

            <TextView
                style="@style/tvHasilRekomendasi"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/tv_tekanan_hasil"
                android:layout_centerHorizontal="true"
                android:layout_marginLeft="5dp"
                android:fontFamily="@font/redhattext_itali
c"
                android:text="Milibars"
                android:textSize="18sp"
                android:textStyle="bold" />

        </LinearLayout>
    </RelativeLayout>
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="70dp"
    android:orientation="horizontal"

```

```

        android:paddingLeft="5dp"
        android:paddingRight="5dp"
        android:paddingBottom="5dp"
        android:weightSum="3">

        <RelativeLayout
            android:layout_width="0dp"
            android:layout_height="match_parent"
            android:layout_weight="1">

            <TextView
                android:id="@+id/struktur_tanah_hasil"
                style="@style/tvHasilRekomendasi"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_centerHorizontal="true"
                android:fontFamily="@font/redhattext_bold"
                android:text="Struktur Tanah"
                android:textSize="10sp" />

            <LinearLayout
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/struktur_tanah_hasil"

                android:layout_centerHorizontal="true"
                android:layout_marginTop="5dp"
                android:orientation="horizontal">

                <ImageView
                    android:layout_width="30dp"
                    android:layout_height="30dp"
                    android:src="@drawable/ic_tanah" />

                <TextView
                    android:id="@+id/tv_struktur_tanah_hasil"
                    style="@style/tvHasilRekomendasi"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:layout_marginLeft="5dp"
                    android:fontFamily="@font/redhattext_regul

                    android:text="Subur"
                    android:textColor="@color/hijau"
                    android:textSize="20dp"
                    android:textStyle="bold" />

            </LinearLayout>

```

```

</RelativeLayout>

<RelativeLayout
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="1">

    <TextView
        android:id="@+id/lahan_hasil"
        style="@style/tvHasilRekomendasi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:fontFamily="@font/redhattext_bold"
        android:text="Ketersediaan Lahan"
        android:textSize="10sp" />

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/lahan_hasil"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="5dp"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:src="@drawable/ic_lahan" />

        <TextView
            android:id="@+id/tv_lahan_hasil"
            style="@style/tvHasilRekomendasi"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/tv_kelembapan_ha
sil"

            android:layout_centerHorizontal="true"
            android:layout_marginLeft="5dp"
            android:fontFamily="@font/redhattext_regul
ar"

            android:text="-100m2"
            android:textColor="@color/merah"
            android:textSize="20dp"
            android:textStyle="bold" />
    </LinearLayout>

```

```

</RelativeLayout>

<RelativeLayout
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="1">

    <TextView
        android:id="@+id/air_hasil"
        style="@style/tvHasilRekomendasi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:fontFamily="@font/redhattext_bold"
        android:text="Pengairan"
        android:textSize="10sp" />

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/air_hasil"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="5dp"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_alignParentBottom="true"
            android:src="@drawable/ic_air" />

        <TextView
            android:id="@+id/tv_air_hasil"
            style="@style/tvHasilRekomendasi"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/tv_tekanan_hasil"
            android:layout_centerHorizontal="true"
            android:layout_marginLeft="5dp"
            android:fontFamily="@font/redhattext_regul

ar"

            android:text="Melimpah"
            android:textColor="@color/hijau"
            android:textSize="20dp"
            android:textStyle="bold" />

    </LinearLayout>
</RelativeLayout>

```

```

        </LinearLayout>

        <android.support.v7.widget.RecyclerView
            android:id="@+id/recycler_view_tanaman_hasil"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            tools:listitem="@layout/item_tanaman" />

    </LinearLayout>

</android.support.v4.widget.SwipeRefreshLayout>

</LinearLayout>

```

File 70. activity_image_picker.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.AddPost.ImagePickerActivity">

</android.support.constraint.ConstraintLayout>

```

File 71. activity_login.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="@drawable/bg_login"
    tools:context=".Activity.LoginActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@id/container_field"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="20dp"
        android:fontFamily="@font/redhattext_bold"
        android:text="Login"
        android:textColor="@android:color/white"
        android:textSize="50sp" />

```

```
<LinearLayout
    android:id="@+id/container_field"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_centerVertical="true"
    android:background="#66000000"
    android:gravity="center"
    android:orientation="vertical"
    android:paddingLeft="30dp"
    android:paddingTop="50dp"
    android:paddingRight="30dp"
    android:paddingBottom="5dp">

    <android.support.design.widget.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <EditText
            android:id="@+id/edt_login_email"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Email"
            android:inputType="textEmailAddress"
            android:textColor="@android:color/white" />
    </android.support.design.widget.TextInputLayout>

    <android.support.design.widget.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        app:passwordToggleEnabled="true">

        <EditText
            android:id="@+id/edt_login_password"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Password"
            android:inputType="textPassword"
            android:textColor="@android:color/white"
            android:autofillHints="" />
    </android.support.design.widget.TextInputLayout>

    <ProgressBar
        android:id="@+id/loading"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp">
```

```

        android:visibility="gone" />

        <Button
            android:id="@+id/btn_login"
            style="@style/Widget.AppCompat.Toolbar"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:layout_marginTop="20dp"
            android:layout_marginRight="20dp"
            android:background="@drawable/background_button"
            android:fontFamily="@font/redhattext_regular"
            android:text="Masuk"
            android:textColor="@android:color/white" />

        <TextView
            android:id="@+id/tvToRegister"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:padding="20dp"
            android:text="Registrasi di sini >>"
            android:textColor="@android:color/white" />

    </LinearLayout>

</RelativeLayout>

```

File 72. activity_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/container"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.Main.MainActivity">

    <android.support.v7.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@android:color/white"
        android:elevation="5dp"
        app:logo="@mipmap/ic_launcher"
        app:title="@string/app_name"
        app:titleMarginStart="40dp"
        app:titleTextAppearance="@style/Toolbar.TitleText">

```

```

</android.support.v7.widget.Toolbar>

<FrameLayout
    android:id="@+id/fragment_container"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_above="@id/nav_view"
    android:layout_below="@id/toolbar" />

<android.support.design.widget.BottomNavigationView
    android:id="@+id/nav_view"
    android:layout_width="match_parent"
    android:layout_alignParentBottom="true"
    android:layout_height="wrap_content"
    android:elevation="5dp"
    android:background="@android:color/white"
    app:itemIconTint="#262626"
    app:itemTextAppearanceActive="@style/Toolbar.NavigatonText"
    app:itemTextColor="#191919"
    app:menu="@menu/bottom_nav_menu" />
</RelativeLayout>

```

File 73. activity_maps.xml

```

<?xml version="1.0" encoding="utf-8"?>
<fragment xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/maps"
    android:name="com.google.android.gms.maps.SupportMapFragment"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MapsActivity" />

```

File 74. activity_register.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/bg_login"
    android:orientation="vertical"
    tools:context=".Activity.RegisterActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"

```



```
android:layout_above="@id/container_field"
android:layout_centerHorizontal="true"
android:layout_marginBottom="20dp"
android:fontFamily="@font/redhattext_bold"
android:text="Register"
android:textColor="@android:color/white"
android:textSize="40sp" />
```

```
<android.support.v4.widget.NestedScrollView
    android:id="@+id/container_field"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_centerVertical="true"
    android:background="#66000000"
    android:gravity="center"
    android:paddingLeft="30dp"
    android:paddingTop="30dp"
    android:paddingRight="30dp"
    android:paddingBottom="5dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
```

```
<android.support.design.widget.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
```

```
<EditText
    android:id="@+id/edt_register_name"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Name"
    android:inputType="textPersonName"
    android:textColor="@android:color/white" />
```

```
</android.support.design.widget.TextInputLayout>
```

```
<android.support.design.widget.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
```

```
<EditText
    android:id="@+id/edt_register_email"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Email"
    android:inputType="textEmailAddress"
```

```
        android:textColor="@android:color/white" />
</android.support.design.widget.TextInputLayout>

<android.support.design.widget.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:passwordToggleEnabled="true">

    <EditText
        android:id="@+id/edt_register_password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Password"
        android:inputType="textPassword"
        android:textColor="@android:color/white" />
</android.support.design.widget.TextInputLayout>

<android.support.design.widget.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:passwordToggleEnabled="true">

    <EditText
        android:id="@+id/edt_register_password_confirm"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Confirm Password"
        android:inputType="textPassword"
        android:textColor="@android:color/white" />
</android.support.design.widget.TextInputLayout>

<ProgressBar
    android:id="@+id/loading"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="20dp"
    android:visibility="gone" />

<Button
    android:id="@+id/btn_register"
    style="@style/Widget.AppCompat.Toolbar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:layout_marginTop="20dp"
    android:layout_marginRight="20dp"
    android:layout_marginBottom="20dp"
    android:background="@drawable/background_button"
```

```

        android:fontFamily="@font/redhattext_regular"
        android:text="Register"
        android:textColor="@android:color/white" />

    </LinearLayout>

</android.support.v4.widget.NestedScrollView>

</RelativeLayout>

```

File 75. activity_splash.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="Activity.SplashActivity">

    <ImageView
        android:scaleType="centerCrop"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:src="@drawable/splash" />

</RelativeLayout>

```

File 76. activity_tanaman_log.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/androi
d"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.DetailTanaman.TanamanLogActivity">

    <android.support.v7.widget.RecyclerView
        android:id="@+id/recycler_view_tanaman_hasil"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        tools:listitem="@layout/item_log_tanaman" />

</LinearLayout>

```

File 77. activity_welcome_screen.xml

```

<?xml version="1.0" encoding="utf-8"?>

```

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.WelcomeScreen.WelcomeScreenActivity">

    <android.support.v4.view.ViewPager
        android:id="@+id/viewPagerWelcome"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:clipToPadding="false"
        android:foregroundGravity="center"
        android:overScrollMode="never" />

    <Button
        android:id="@+id/btn_welcome"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="60dp"
        android:background="@drawable/background_button"
        android:paddingLeft="30dp"
        android:paddingRight="30dp"
        android:text="Tanam!"
        android:textColor="#fff"

    />

</RelativeLayout>

```

File 78. AndroidManifest.xml

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    package="com.bintang.banyan"
    android:targetSandboxVersion="1">
    <!--
        The ACCESS_COARSE/FINE_LOCATION permissions are not required
to use
        Google Maps Android API v2, but you must specify either coarse
or fine
        location permissions for the 'MyLocation' functionality.
    -->
    <uses-
permission android:name="android.permission.ACCESS_FINE_LOCATION" />

```

```

<uses-permission android:name="android.permission.INTERNET" />
<uses-permission android:name="android.permission.CAMERA" />
<uses-
permission android:name="android.permission.READ_EXTERNAL_STORAGE" />
<uses-
permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />

<application
    android:allowBackup="true"
    android:icon="@mipmap/ic_launcher"
    android:label="@string/app_name"
    android:networkSecurityConfig="@xml/network_security_config"
    android:roundIcon="@mipmap/ic_launcher_round"
    android:supportsRtl="true"
    android:theme="@style/AppTheme"
    android:usesCleartextTraffic="true"
    tools:ignore="GoogleAppIndexingWarning">
    <activity android:name=".Activity.DetailTanaman.TanamanLogActi
vity"></activity>
    <activity android:name=".Activity.DetailRekomendasiTanaman.Det
ailRekomendasiTanamanActivity" />
    <activity android:name=".Activity.DetailTanaman.DetailTanamanA
ctivity" />
    <activity android:name=".Activity.Main.TabMainFragment.Kebun.H
asilRekomendasi.HasilRekomendasiActivity" />
    <!--
        The API key for Google Maps-
based APIs is defined as a string resource.
        (See the file "res/values/google_maps_api.xml").
        Note that the API key is linked to the encryption key use
d to sign the APK.
        You need a different API key for each encryption key, inc
luding the release key that is used to
        sign the APK for publishing.
        You can define the keys for the debug and release targets
in src/debug/ and src/release/.
    -->
    <meta-data
        android:name="com.google.android.geo.API_KEY"
        android:value="@string/google_maps_key" />
    <meta-data
        android:name="com.google.android.gms.version"
        android:value="@integer/google_play_services_version" />

    <uses-library
        android:name="org.apache.http.legacy"
        android:required="false" />

```

```

        <activity
            android:name=".MapsActivity"
            android:label="@string/title_activity_maps" />
        <activity android:name=".Activity.AddPost.ImagePickerActivity"
    />
    />
    <activity
        android:name=".Activity.WelcomeScreen.WelcomeScreenActivit
y"
        android:theme="@style/AppTheme.NoActionBar" />
    <activity android:name=".Activity.DetailPost.DetailPostActivit
y" />
    <activity android:name=".Activity.AddPost.AddPostActivity" />
    <activity android:name=".Activity.AboutActivity" />
    <activity
        android:name=".Activity.RegisterActivity"
        android:theme="@style/AppTheme.Pastel" />
    <activity
        android:name=".Activity.LoginActivity"
        android:theme="@style/AppTheme.Pastel" />
    <activity android:name=".Activity.SplashActivity" />
    <activity
        android:name=".Activity.Main.MainActivity"
        android:label="@string/app_name"
        android:theme="@style/AppTheme">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />

            <category android:name="android.intent.category.LAUNCH
ER" />
        </intent-filter>
    </activity>

    <uses-library
        android:name="org.apache.http.legacy"
        android:required="false" /> <!-- uCrop cropping activity -
->
    <activity
        android:name="com.yalantis.ucrop.UCropActivity"
        android:screenOrientation="portrait"
        android:theme="@style/AppTheme.NoActionBar" /> <!--
- cache directory file provider paths -->
    <provider
        android:name="android.support.v4.content.FileProvider"
        android:authorities="${applicationId}.provider"
        android:exported="false"
        android:grantUriPermissions="true">
        <meta-data
            android:name="android.support.FILE_PROVIDER_PATHS"

```

```

        android:resource="@xml/file_paths" />
    </provider>

    <service
        android:name=".BanyanMessagingService"
        android:exported="false">
        <intent-filter>
            <action android:name="com.google.firebase.MESSAGING_EV
ENT" />
        </intent-filter>
    </service>
</application>

</manifest>

```

File 79. bottom_nav_menu.xml

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/navigation_beranda"
        android:icon="@drawable/ic_nature_people_black_24dp"
        android:title="Beranda" />

    <item
        android:id="@+id/navigation_kebun"
        android:icon="@drawable/ic_local_florist_black_24dp"
        android:title="Kebun" />

    <item
        android:id="@+id/navigation_profile"
        android:icon="@drawable/ic_person_black_24dp"
        android:title="Profile" />

</menu>

```

File 80. fragment_tab_beranda.xml

```

<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.Main.TabMainFragment.Beranda.TabBerandaFr
agment">

    <android.support.v4.widget.SwipeRefreshLayout
        android:id="@+id/swipe_refresh"

```

```

        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <android.support.v7.widget.RecyclerView
            android:id="@+id/recycler_view"
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />

    </android.support.v4.widget.SwipeRefreshLayout>

</FrameLayout>

```

File 81. fragment_tab_kebun.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.Main.TabMainFragment.Kebun.TabKebunFragment">

    <android.support.v4.widget.SwipeRefreshLayout
        android:id="@+id/swipe_refresh_tanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <RelativeLayout
                android:layout_width="match_parent"
                android:layout_height="217dp">

                <ImageView
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:scaleType="centerCrop"
                    android:src="@drawable/slide_7" />

                <View
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:background="#AB000000" />
            </RelativeLayout>
        </LinearLayout>
    </SwipeRefreshLayout>

```



```

<LinearLayout
    android:id="@+id/container_cuaca"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:padding="10dp">

        <LinearLayout
            android:id="@+id/container_suhu_hasil"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentRight="true"
            android:gravity="center_vertical"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="50dp"
                android:layout_height="50dp"
                android:src="@drawable/ic_suhu" />

            <TextView
                android:id="@+id/tv_suhu_hasil"
                style="@style/tvHasilRekomendasi"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:fontFamily="@font/redhattext_r
egular"

                android:text="25.0 C"
                android:textSize="45sp"
                android:textStyle="bold" />
            </LinearLayout>

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/container_suhu_h
asil"

            android:layout_alignParentRight="true"
            android:gravity="center_vertical"
            android:orientation="horizontal">

            <TextView
                android:id="@+id/tv_lat_lon_hasil"
                style="@style/tvHasilRekomendasi"

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginRight="2dp"
        android:text="-7.0000000,100000000"
        android:textColor="@color/colorAccent"
    />

    <ImageView
        android:layout_width="20dp"
        android:layout_height="20dp"
        android:src="@drawable/ic_pin" />

</LinearLayout>

<TextView
    android:id="@+id/tv_tanggal_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="2 Juli 2019" />

<TextView
    android:id="@+id/tv_kota_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/tv_tanggal_hasil"

"

    android:fontFamily="@font/redhattext_bold"
    android:maxLength="12"
    android:text="Semarang"
    android:textSize="30sp" />

<TextView
    android:id="@+id/tv_provinsi_negara_hasil"
    style="@style/tvHasilRekomendasi"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/tv_kota_hasil"
    android:text="Jawa Tengah, Indonesia" />

</RelativeLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="85dp"
    android:orientation="horizontal"
    android:paddingLeft="5dp"

```

```

        android:paddingTop="5dp"
        android:paddingRight="5dp"
        android:weightSum="3">

        <RelativeLayout
            android:layout_width="0dp"
            android:layout_height="match_parent"
            android:layout_weight="1">

            <TextView
                android:id="@+id/tv_ketinggian_hasil"
                style="@style/tvHasilRekomendasi"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_centerHorizontal="true"
                android:fontFamily="@font/redhattext_b
old"

                android:singleLine="true"
                android:text="224.5"
                android:textColor="@color/colorAccent"
                android:textSize="30sp" />

            <LinearLayout
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/tv_ketinggia
n_hasil"

                android:layout_centerHorizontal="true"
                android:orientation="horizontal">

                <ImageView
                    android:layout_width="30dp"
                    android:layout_height="30dp"
                    android:src="@drawable/ic_elevatio
n" />

                <TextView
                    style="@style/tvHasilRekomendasi"
                    android:layout_width="wrap_content
"

                    android:layout_height="wrap_conten
t"

                    android:layout_marginLeft="5dp"
                    android:fontFamily="@font/redhatte
xt_italic"

                    android:text="MDPL"
                    android:textSize="18sp"
                    android:textStyle="bold" />

```

```

        </LinearLayout>

    </RelativeLayout>

    <RelativeLayout
        android:layout_width="0dp"
        android:layout_height="match_parent"
        android:layout_weight="1">

        <TextView
            android:id="@+id/tv_kelembapan_hasil"
            style="@style/tvHasilRekomendasi"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerHorizontal="true"
            android:fontFamily="@font/redhattext_b

old"

            android:singleLine="true"
            android:text="79"
            android:textColor="@color/colorAccent"
            android:textSize="30sp" />

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/tv_kelembapa

n_hasil"

            android:layout_centerHorizontal="true"
            android:orientation="horizontal">

            <ImageView
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:src="@drawable/ic_humidity

" />

            <TextView
                style="@style/tvHasilRekomendasi"
                android:layout_width="wrap_content

"

                android:layout_height="wrap_conten

t"

                android:layout_below="@id/tv_kelem

bapan_hasil"

                android:layout_centerHorizontal="t

rue"

                android:layout_marginLeft="5dp"

```

```

        android:fontFamily="@font/redhatte
xt_italic"
        android:text="(%) "
        android:textSize="18sp"
        android:textStyle="bold" />
    </LinearLayout>
</RelativeLayout>

<RelativeLayout
    android:layout_width="0dp"
    android:layout_height="match_parent"
    android:layout_weight="1">

    <TextView
        android:id="@+id/tv_tekanan_hasil"
        style="@style/tvHasilRekomendasi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:fontFamily="@font/redhattext_b
old"

        android:singleLine="true"
        android:text="29.68"
        android:textColor="@color/colorAccent"
        android:textSize="30sp" />

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/tv_tekanan_h
asil"

        android:layout_centerHorizontal="true"
        android:orientation="horizontal">

        <ImageView
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_alignParentBottom="
true"

            android:src="@drawable/ic_pressure
" />

        <TextView
            style="@style/tvHasilRekomendasi"
            android:layout_width="wrap_content
"

```

```

                android:layout_height="wrap_content"
            t"
            android:layout_below="@id/tv_tekan
            an_hasil"
            android:layout_centerHorizontal="true"
            android:layout_marginLeft="5dp"
            android:fontFamily="@font/redhatte
            xt_italic"
            android:text="Milibars"
            android:textSize="18sp"
            android:textStyle="bold" />
        </LinearLayout>
    </RelativeLayout>
</LinearLayout>

</LinearLayout>

</RelativeLayout>

<GridLayout
    android:id="@+id/grid_view_kebun"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/container_cuaca"
    android:layout_marginTop="-35dp"
    android:columnCount="3"
    android:padding="5dp"
    android:rowCount="1">

    <!--row1, kolom1-->
    <android.support.v7.widget.CardView
        android:layout_columnWeight="1"
        android:layout_margin="15dp"
        app:cardCornerRadius="5dp"
        app:cardElevation="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:orientation="vertical"
            android:paddingTop="10dp"
            android:paddingBottom="5dp">

            <ImageView
                android:id="@+id/btn_kelola"
                android:layout_width="60dp"

```

```

        android:layout_height="60dp"
        android:layout_gravity="center_horizontal"
        android:src="@drawable/ic_local_florist_bla
ack_24dp" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizontal"
            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Tambah"
            android:textSize="12sp" />

    </LinearLayout>

</android.support.v7.widget.CardView>

<!--row1, kolom2 -->
<android.support.v7.widget.CardView
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="15dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:paddingTop="10dp"
        android:paddingBottom="5dp">

        <ImageView
            android:id="@+id/btn_notif"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_gravity="center_horizontal"
            android:src="@drawable/ic_notifications_ac
tive_tosca_24dp" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizontal"
            android:layout_margin="3dp"
            android:gravity="center_horizontal"

```

```

        android:text="Notifikasi"
        android:textSize="12sp" />

    </LinearLayout>

</android.support.v7.widget.CardView>

<!--row1, kolom3-->
<android.support.v7.widget.CardView
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="15dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:paddingTop="10dp"
        android:paddingBottom="5dp">

        <ImageView
            android:id="@+id/btn_cuaca"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_gravity="center_horizontal"
            android:src="@drawable/ic_wb_sunny_tosca_2
4dp" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizontal"
            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Cuaca"
            android:textSize="12sp" />

    </LinearLayout>

</android.support.v7.widget.CardView>

</GridLayout>

<LinearLayout
    android:layout_width="match_parent"

```



```

        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="0dp"
        android:gravity="center"
        android:orientation="vertical">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:paddingBottom="7dp">

            <android.support.v7.widget.RecyclerView
                android:id="@+id/recycler_view_tanaman"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                tools:listitem="@layout/item_tanaman" />

        </LinearLayout>

    </LinearLayout>

</LinearLayout>

</android.support.v4.widget.SwipeRefreshLayout>

</RelativeLayout>

```

File 82. fragment_tab_profile.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v4.widget.SwipeRefreshLayout xmlns:android="http://sc
hemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/swipe_refresh_mypost"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Activity.Main.TabMainFragment.Profile.TabProfileFr
agment">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"

```

```

android:orientation="vertical">

<android.support.design.widget.AppBarLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="30dp"
    android:theme="@style/AppTheme.AppBarOverlay">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center_horizontal"
        android:orientation="vertical">

        <RelativeLayout
            android:layout_width="120dp"
            android:layout_height="120dp">

            <Button
                android:id="@+id/btn_ganti_foto"
                android:layout_width="37dp"
                android:layout_height="37dp"
                android:layout_alignParentRight="true"
                android:layout_alignParentBottom="true"
                android:background="@drawable/ic_add_circle_
e_white_24dp" />

            <de.hdodenhof.circleimageview.CircleImageView
                android:id="@+id/img_profile"
                android:layout_width="100dp"
                android:layout_height="100dp"
                android:layout_centerInParent="true"
                android:clickable="false"
                android:src="@drawable/ic_person_black_100
dp"

                app:civ_border_color="#E0E0E0"
                app:civ_border_width="2dp" />

        </RelativeLayout>

        <EditText
            android:id="@+id/edt_profile_nama"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            android:background="@null"
            android:ems="10"
            android:fontFamily="@font/redhattext_bold"

```

```

        android:gravity="center_horizontal"
        android:hint="Nama"
        android:inputType="textPersonName"
        android:textColor="@android:color/white"
        android:textSize="23sp" />

<EditText
    android:id="@+id/edt_profile_email"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_marginTop="5dp"
    android:background="@null"
    android:drawableStart="@drawable/ic_email_whit
e_24dp"
    android:drawablePadding="5dp"
    android:fontFamily="@font/redhatttext_regular"
    android:gravity="center_vertical"
    android:hint="Email"
    android:inputType="textEmailAddress"
    android:textColor="@android:color/white" />

</LinearLayout>

</android.support.design.widget.AppBarLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/bg_meta_container"
    android:orientation="horizontal"
    android:paddingTop="@dimen/activity_padding"
    android:paddingBottom="@dimen/activity_padding"
    android:weightSum="3">

    <LinearLayout
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:gravity="center"
        android:orientation="vertical">

        <TextView
            android:id="@+id/tv_jumlah_tanaman_profil"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="1320"
            android:textColor="@android:color/white"

```

```
        android:textSize="@dimen/meta_count"
        android:textStyle="bold" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/michela"
    android:text="Tanaman"
    android:textColor="@android:color/white"
    android:textSize="@dimen/meta_label" />
</LinearLayout>

<LinearLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:gravity="center"
    android:orientation="vertical">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="4.3m"
        android:textColor="@android:color/white"
        android:textSize="@dimen/meta_count"
        android:textStyle="bold" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="@font/michela"
        android:text="Pengikut"
        android:textColor="@android:color/white"
        android:textSize="@dimen/meta_label" />
</LinearLayout>

<LinearLayout
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:gravity="center"
    android:orientation="vertical">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="123"
        android:textColor="@android:color/white"
```

```

        android:textSize="@dimen/meta_count"
        android:textStyle="bold" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="@font/michela"
            android:text="Mengikuti"
            android:textColor="@android:color/white"
            android:textSize="@dimen/meta_label" />
    </LinearLayout>
</LinearLayout>

<LinearLayout
    android:id="@+id/container_lengkap"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:background="@drawable/background_button_normal"
    android:gravity="center"
    android:paddingTop="7dp"
    android:paddingBottom="7dp"
    android:visibility="gone">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="@font/redhattext_bold"
        android:text="Ayo lengkapi identitasmu!"
        android:textColor="@android:color/white" />
</LinearLayout>

<android.support.v7.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:padding="15dp">

        <LinearLayout
            android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:orientation="vertical">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="@font/redhattext_bold"
            android:text="About Me"
            android:textColor="@color/colorPrimaryDark"

"
            android:textSize="12sp" />

        <EditText
            android:id="@+id/edt_profile_ttl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            android:background="@null"
            android:drawableStart="@drawable/ic_date_r
ange_black_24dp"

            android:drawablePadding="10dp"
            android:ems="10"
            android:hint="TTL (DD/MM/YY)"
            android:inputType="date"
            android:textColor="@android:color/black" /
>

        <EditText
            android:id="@+id/edt_profile_alamat"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            android:background="@null"
            android:drawableStart="@drawable/ic_place_
black_24dp"

            android:drawablePadding="10dp"
            android:ems="10"
            android:hint="Alamat"
            android:inputType="text"
            android:textColor="@android:color/black" /
>

        <EditText
            android:id="@+id/edt_profile_notelp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="5dp"
            android:background="@null"

```

```

        android:drawableStart="@drawable/ic_local_
phone_black_24dp"
        android:drawablePadding="10dp"
        android:ems="10"
        android:hint="No. HP"
        android:inputType="phone"
        android:textColor="@android:color/black" /
>
    </LinearLayout>
</LinearLayout>
</android.support.v7.widget.CardView>
<android.support.v7.widget.RecyclerView
    android:id="@+id/recycler_view_mypost"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />
</LinearLayout>
</ScrollView>
</android.support.v4.widget.SwipeRefreshLayout>

```

File 83. fragment_tambah_tanaman.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/andr
oid"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".Activity.Main.TabMainFragment.Kebun.TambahTanamanF
ragment">
    <fragment
        android:id="@+id/map"
        android:name="com.google.android.gms.maps.SupportMapFragment"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
    <com.mancj.materialsearchbar.MaterialSearchBar
        android:id="@+id/searchBar"
        style="@style/MaterialSearchBarLight"

```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_margin="5dp"
android:elevation="5dp"
android:outlineProvider="bounds"
app:mt_hint="Search a place!"
app:mt_maxSuggestionsCount="10"
app:mt_navIconEnabled="true"
app:mt_placeholder="Search a Place"
app:mt_speechMode="false" />
```

```
<LinearLayout
```

```
    android:id="@+id/marker"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerInParent="true"
    android:layout_centerHorizontal="true"
    android:gravity="center"
    android:orientation="vertical"
    android:paddingBottom="60dp"
    android:visibility="gone">
```

```
    <Button
```

```
        android:id="@+id/btn_marker"
        android:layout_width="80dp"
        android:layout_height="80dp"
        android:layout_centerInParent="true"
        android:background="@drawable/ic_add_location_red_48dp" />
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
    android:id="@+id/container_rekomendasi_bawah"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="250dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="-20dp"
    android:background="@drawable/background_dark_rounded"
    android:orientation="vertical"
    android:paddingLeft="10dp"
    android:paddingTop="5dp"
    android:paddingRight="10dp"
    android:paddingBottom="25dp">
```

```
<ImageView
```



```

        android:id="@+id/btn_expand"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:src="@drawable/ic_expand_down_white_24dp" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="1.5dp"
    android:layout_marginLeft="10dp"
    android:layout_marginRight="10dp"
    android:background="#9AFFFFFF" />

<RelativeLayout
    android:id="@+id/container_form_rekomendasi"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <android.support.v4.widget.NestedScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_above="@id/container_btn_rekomendasi"
        android:layout_marginBottom="-30dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <TextView
                android:id="@+id/tv_alamat"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_margin="5dp"
                android:gravity="center_horizontal"
                android:text="- "
                android:textColor="@color/putih" />

            <GridLayout
                android:id="@+id/grid_view_kebun"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:columnCount="2"
                android:padding="5dp"
                android:paddingBottom="10dp"
                android:rowCount="5">

                <!--row1, kolom1-->
                <LinearLayout

```

```

        android:layout_columnWeight="1"
        android:layout_margin="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="40dp"
            android:gravity="center">

            <TextView
                android:layout_width="match_parent

                android:layout_height="wrap_conten

                android:layout_margin="3dp"
                android:text="Lokasi Anda"
                android:textColor="@color/putih"
                android:textSize="14sp" />

            </LinearLayout>
        </LinearLayout>

        <!--row1, kolom2-->
        <android.support.v7.widget.CardView
            android:layout_columnWeight="1"
            android:layout_margin="5dp"
            app:cardCornerRadius="5dp"
            app:cardElevation="5dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="40dp"
                android:gravity="center">

                <TextView
                    android:id="@+id/tv_lokasi"
                    style="@style/tvRekomendasi"
                    android:text="-" />

                </LinearLayout>

        </android.support.v7.widget.CardView>

        <!--row2, kolom1-->
        <LinearLayout
            android:layout_columnWeight="1"
            android:layout_margin="5dp">

            <LinearLayout
                android:layout_width="match_parent"

```

```

        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:layout_width="match_parent

            android:layout_height="wrap_conten

            android:layout_margin="3dp"
            android:text="Ketinggian"
            android:textColor="@color/putih"
            android:textSize="14sp" />

        </LinearLayout>
    </LinearLayout>

    <!--row2, kolom2-->
    <android.support.v7.widget.CardView
        android:layout_columnWeight="1"
        android:layout_margin="5dp"
        app:cardCornerRadius="5dp"
        app:cardElevation="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="40dp"
            android:gravity="center">

            <TextView
                android:id="@+id/tv_ketinggian"
                style="@style/tvRekomendasi"
                android:text="-" />

            </LinearLayout>

    </android.support.v7.widget.CardView>

    <!--row3, kolom1-->
    <LinearLayout
        android:layout_columnWeight="1"
        android:layout_margin="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="40dp"
            android:gravity="center">

            <TextView

```

```

        android:layout_width="match_parent"
    "
        android:layout_height="wrap_content"

        android:layout_margin="3dp"
        android:text="Suhu Lingkungan"
        android:textColor="@color/putih"
        android:textSize="14sp" />

    </LinearLayout>
</LinearLayout>

<!--row3, kolom2-->
<android.support.v7.widget.CardView
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:id="@+id/tv_suhu"
            style="@style/tvRekomendasi"
            android:text="-" />
    </LinearLayout>

</android.support.v7.widget.CardView>
<!--row4, kolom1-->
<LinearLayout
    android:layout_columnWeight="1"
    android:layout_margin="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:layout_width="match_parent"
    "
            android:layout_height="wrap_content"

            android:layout_margin="3dp"
            android:text="Kelembapan"

```

```

        android:textColor="@color/putih"
        android:textSize="14sp" />

    </LinearLayout>
</LinearLayout>

<!--row4, kolom2-->
<android.support.v7.widget.CardView
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:id="@+id/tv_kelembapan"
            style="@style/tvRekomendasi"
            android:text="-" />

    </LinearLayout>

</android.support.v7.widget.CardView>
<!--row5, kolom1-->
<LinearLayout
    android:layout_columnWeight="1"
    android:layout_margin="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:layout_width="match_parent

            android:layout_height="wrap_conten

            android:layout_margin="3dp"
            android:text="Tekanan"
            android:textColor="@color/putih"
            android:textSize="14sp" />

    </LinearLayout>
</LinearLayout>

```

```

<!--row5, kolom2-->
<android.support.v7.widget.CardView
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:id="@+id/tv_tekanan"
            style="@style/tvRekomendasi"
            android:text="-" />
        </LinearLayout>

</android.support.v7.widget.CardView>

<!--row6, kolom1-->
<LinearLayout
    android:layout_columnWeight="1"
    android:layout_margin="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:layout_width="match_parent
            android:layout_height="wrap_conten

            android:layout_margin="3dp"
            android:text="Struktur Tanah"
            android:textColor="@color/putih"
            android:textSize="14sp" />

        </LinearLayout>
    </LinearLayout>

<!--row6, kolom2-->
<android.support.v7.widget.CardView
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"

```

```

        app:cardElevation="5dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="40dp"
            android:gravity="center">

            <Spinner
                android:id="@+id/spinner_tanah"
                android:layout_width="match_parent

                android:layout_height="wrap_conten

                android:layout_rowWeight="1"
                android:layout_margin="5dp" />
            </LinearLayout>

        </android.support.v7.widget.CardView>

        <!--row7, kolom1-->
        <LinearLayout
            android:layout_columnWeight="1"
            android:layout_margin="5dp">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="40dp"
                android:gravity="center">

                <TextView
                    android:layout_width="match_parent

                    android:layout_height="wrap_conten

                    android:layout_margin="3dp"
                    android:text="Ketersediaan Lahan"
                    android:textColor="@color/putih"
                    android:textSize="14sp" />

                </LinearLayout>
            </LinearLayout>

        <!--row7, kolom2-->
        <android.support.v7.widget.CardView
            android:layout_columnWeight="1"
            android:layout_margin="5dp"
            app:cardCornerRadius="5dp"
            app:cardElevation="5dp">

```

```

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="40dp"
            android:gravity="center">

            <Spinner
                android:id="@+id/spinner_lahan"
                android:layout_width="match_parent

                android:layout_height="wrap_conten

                android:layout_rowWeight="1"
                android:layout_margin="5dp" />
        </LinearLayout>

</android.support.v7.widget.CardView>

<!--row8, kolom1-->
<LinearLayout
    android:layout_columnWeight="1"
    android:layout_margin="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:gravity="center">

        <TextView
            android:layout_width="match_parent

            android:layout_height="wrap_conten

            android:layout_margin="3dp"
            android:text="Perairan"
            android:textColor="@color/putih"
            android:textSize="14sp" />

    </LinearLayout>
</LinearLayout>

<!--row8, kolom2-->
<android.support.v7.widget.CardView
    android:layout_columnWeight="1"
    android:layout_margin="5dp"
    app:cardCornerRadius="5dp"
    app:cardElevation="5dp">

```



```

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="40dp"
            android:gravity="center">

            <Spinner
                android:id="@+id/spinner_perairan"
                android:layout_width="match_parent

                android:layout_height="wrap_conten

                android:layout_rowWeight="1"
                android:layout_margin="5dp" />
            </LinearLayout>

        </android.support.v7.widget.CardView>

    </GridLayout>

</LinearLayout>
</android.support.v4.widget.NestedScrollView>

<LinearLayout
    android:id="@+id/container_btn_rekomendasi"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_marginTop="5dp"
    android:layout_marginBottom="30dp"
    android:orientation="horizontal"
    android:paddingBottom="5dp">

    <Button
        android:id="@+id/btn_refresh"
        style="@style/Widget.AppCompat.Toolbar"
        android:layout_width="0dp"
        android:layout_height="50dp"
        android:layout_marginLeft="5dp"
        android:layout_marginRight="5dp"
        android:layout_weight="1"
        android:background="@drawable/background_button_gr

        android:fontFamily="@font/redhattext_regular"
        android:text="Refresh Data"
        android:textColor="@android:color/white" />

    <Button
        android:id="@+id/btn_rekomendasi"

```

```

        style="@style/Widget.AppCompat.Toolbar"
        android:layout_width="0dp"
        android:layout_height="50dp"
        android:layout_marginLeft="5dp"
        android:layout_marginRight="5dp"
        android:layout_weight="1"
        android:background="@drawable/background_button_gre
een"

        android:fontFamily="@font/redhattext_regular"
        android:text="Minta Rekomendasi"
        android:textColor="@android:color/white" />

    </LinearLayout>

</RelativeLayout>

</LinearLayout>

</RelativeLayout>

```

File 84. item_catatan.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="4dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="4dp"
    android:clickable="true"
    android:focusable="true"
    android:foreground="?attr/selectableItemBackground"
    app:cardCornerRadius="2dp"
    app:cardElevation="1dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="10dp"
        android:padding="10dp">

        <TextView
            android:id="@+id/item_user_name_catatan"
            android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:layout_toLeftOf="@id/item_date_catatan"
        android:text="Nama"
        android:textSize="12sp"
        android:textStyle="bold" />

        <TextView
            android:id="@+id/item_catatan"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@id/item_user_name_catatan"
            android:layout_marginTop="5dp"
            android:text="Catatan"
            android:textColor="@android:color/black"
            android:textSize="15dp" />

        <TextView
            android:id="@+id/item_date_catatan"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentRight="true"
            android:text="date" />
    </RelativeLayout>
</android.support.v7.widget.CardView>

```

File 85. item_iot_data.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="4dp"
    android:layout_marginRight="5dp"
    android:layout_marginBottom="4dp"
    android:clickable="true"
    android:focusable="true"
    android:foreground="?attr/selectableItemBackground"
    app:cardCornerRadius="2dp"
    app:cardElevation="1dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"

```

```
android:padding="10dp">

<TextView
    android:id="@+id/item_date_iotdata"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="right"
    android:text="date" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_weight="1"
        android:orientation="vertical"
        android:paddingTop="5dp"
        android:paddingBottom="5dp">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="center_horizontal"
            android:layout_margin="3dp"
            android:gravity="center_horizontal"
            android:text="Light"
            android:textColor="@color/colorPrimaryDark"
            android:textSize="10sp" />

        <TextView
            android:id="@+id/item_cahaya_iot"
            android:layout_width="60dp"
            android:layout_height="30dp"
            android:layout_gravity="center_horizontal"
            android:gravity="center"
            android:text="200"
            android:textColor="@color/colorPrimaryDark"
            android:textSize="20sp"
            android:textStyle="bold" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
```

```
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="lux"
        android:textColor="@color/colorPrimary"
        android:textSize="10sp"
        android:textStyle="italic" />

</LinearLayout>

<!--row1, kolom2 -->

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_weight="1"
    android:orientation="vertical"
    android:paddingTop="5dp"
    android:paddingBottom="5dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="Temperature"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="10sp" />

    <TextView
        android:id="@+id/item_suhu_iot"
        android:layout_width="60dp"
        android:layout_height="30dp"
        android:layout_gravity="center_horizontal"
        android:gravity="center"
        android:text="27"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="20sp"
        android:textStyle="bold" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="Celcius"
```

```
        android:textColor="@color/colorPrimary"
        android:textSize="10sp"
        android:textStyle="italic" />

</LinearLayout>

<!--row1, kolom3-->
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_weight="1"
    android:orientation="vertical"
    android:paddingTop="5dp"
    android:paddingBottom="5dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="Humidity"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="10sp" />

    <TextView
        android:id="@+id/item_lembab_udara_iot"
        android:layout_width="60dp"
        android:layout_height="30dp"
        android:layout_gravity="center_horizontal"
        android:gravity="center"
        android:text="34"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="20sp"
        android:textStyle="bold" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="%"
        android:textColor="@color/colorPrimary"
        android:textSize="10sp"
        android:textStyle="italic" />
```

```
</LinearLayout>

<!--row1, kolom4-->
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_weight="1"
    android:orientation="vertical"
    android:paddingTop="5dp"
    android:paddingBottom="5dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="Soil Moisture"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="10sp" />

    <TextView
        android:id="@+id/item_lembab_tanah_iot"
        android:layout_width="60dp"
        android:layout_height="30dp"
        android:layout_gravity="center"
        android:gravity="center"
        android:text="70"
        android:textColor="@color/colorPrimaryDark"
        android:textSize="20sp"
        android:textStyle="bold" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_horizontal"
        android:layout_margin="3dp"
        android:gravity="center_horizontal"
        android:text="%"
        android:textColor="@color/colorPrimary"
        android:textSize="10sp"
        android:textStyle="italic" />

</LinearLayout>

</LinearLayout>
</LinearLayout>
```

```
</android.support.v7.widget.CardView>
```

File 86. item_komentar.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="4dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="4dp"
    android:clickable="true"
    android:focusable="true"
    android:foreground="?attr/selectableItemBackground"
    app:cardCornerRadius="2dp"
    app:cardElevation="1dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="10dp"
        android:padding="10dp">

        <TextView
            android:id="@+id/user_name_komentar"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_toLeftOf="@id/item_date_komentar"
            android:text="Nama"
            android:textSize="12sp"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/item_komentar"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@id/user_name_komentar"
            android:layout_marginTop="5dp"
            android:text="komentar"
            android:textColor="@android:color/black"
            android:textSize="15dp" />

        <TextView
            android:id="@+id/item_date_komentar"
```



```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentRight="true"
        android:text="date" />
    </RelativeLayout>
</android.support.v7.widget.CardView>

```

File 87. item_log_tanaman.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="4dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="4dp"
    android:clickable="true"
    android:focusable="true"
    android:foreground="?attr/selectableItemBackground"
    app:cardCornerRadius="2dp"
    app:cardElevation="1dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="10dp"
        android:orientation="horizontal"
        android:padding="10dp"
        android:weightSum="4">

        <RelativeLayout
            android:layout_width="0dp"
            android:layout_height="match_parent"
            android:layout_weight="1">

            </RelativeLayout>

        </LinearLayout>

</android.support.v7.widget.CardView>

```

File 88. item_mypost.xml

```

<?xml version="1.0" encoding="utf-8"?>

```

```

<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/card_item_mypost"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:padding="2dp">

        <ImageView
            android:id="@+id/iv_item_mypost"
            android:layout_width="wrap_content"
            android:layout_height="130dp"
            android:layout_gravity="center"
            android:scaleType="centerCrop"
            android:src="@drawable/ic_banyan_496px_post" />

    </LinearLayout>

</android.support.v7.widget.CardView>

```

File 89. item_mytanaman.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="4dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="4dp"
    android:clickable="true"
    android:focusable="true"
    android:foreground="?attr/selectableItemBackground"
    app:cardCornerRadius="2dp"
    app:cardElevation="1dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="10dp"

```

```
android:padding="10dp">

<ImageView
    android:id="@+id/item_gambar_tanaman"
    android:layout_width="70dp"
    android:layout_height="70dp"
    android:layout_centerVertical="true"
    android:src="@drawable/ic_plant" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_toLeftOf="@id/btn_to_detail"
    android:layout_toRightOf="@id/item_gambar_tanaman"
    android:orientation="vertical">

    <TextView
        android:id="@+id/item_nama_mytanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:singleLine="true"
        android:text="Nama"
        android:textColor="@android:color/black"
        android:textSize="24sp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/item_nama_latin_mytanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:singleLine="true"
        android:text="Nama latin"
        android:textSize="12dp"
        android:textStyle="italic" />

    <TextView
        android:id="@+id/item_usia_mytanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:singleLine="true"
        android:text="2 Bulan"
        android:textSize="17dp" />

</LinearLayout>
```

```

        <ImageView
            android:id="@+id/btn_to_detail"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentRight="true"
            android:layout_centerVertical="true"
            android:layout_marginRight="10dp"
            android:src="@drawable/ic_keyboard_arrow_right_black_24dp"
        />

    </RelativeLayout>

</android.support.v7.widget.CardView>

```

File 90. item_post.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">

            <de.hdodenhof.circleimageview.CircleImageView
                android:id="@+id/item_user_image"
                android:layout_width="50dp"
                android:layout_height="50dp"
                android:layout_gravity="center_vertical"
                android:layout_margin="5dp"
                android:src="@drawable/ic_banyan_100px" />

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_gravity="center_vertical"
                android:orientation="vertical">

```

```
<TextView
    android:id="@+id/item_user_id"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="5dp"
    android:fontFamily="@font/redhattext_regular"
    android:text="User"
    android:textColor="@color/colorPrimaryDark"
    android:textSize="21sp" />

<TextView
    android:id="@+id/item_tipe_post"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginBottom="5dp"
    android:fontFamily="@font/redhattext_italic"
    android:text="Gardener"
    android:textColor="@color/colorPrimaryDark"
    android:textSize="14sp" />

</LinearLayout>

</LinearLayout>

<ImageView
    android:id="@+id/iv_item_post"
    android:layout_width="400dp"
    android:layout_height="400dp"
    android:layout_gravity="center"
    android:scaleType="centerCrop"
    android:src="@drawable/ic_banyan_496px_post" />

<TextView
    android:id="@+id/item_judul"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp"
    android:fontFamily="@font/redhattext_bold"
    android:text="Judul"
    android:textColor="@android:color/black"
    android:textSize="17sp" />

<TextView
    android:id="@+id/item_deskripsi"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
```

```

        android:layout_margin="5dp"
        android:layout_marginTop="10dp"
        android:fontFamily="@font/redhattext_regular"
        android:maxLines="4"
        android:text="Deskripsi"
        android:textColor="@color/colorPrimaryDark" />

        <TextView
            android:id="@+id/item_date"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_centerVertical="true"
            android:layout_gravity="right"
            android:layout_margin="5dp"
            android:text="date" />

    </LinearLayout>

</android.support.v7.widget.CardView>

```

File 91. item_tanaman.xml

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/card_item"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="4dp"
    android:layout_marginRight="10dp"
    android:layout_marginBottom="4dp"
    android:clickable="true"
    android:focusable="true"
    android:foreground="?attr/selectableItemBackground"
    app:cardCornerRadius="2dp"
    app:cardElevation="1dp">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="10dp"
        android:padding="10dp">

        <ImageView
            android:id="@+id/item_gambar_tanaman"
            android:layout_width="70dp"

```

```
        android:layout_height="70dp"
        android:layout_centerVertical="true"
        android:src="@drawable/ic_plant" />

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_toLeftOf="@id/btn_to_detail"
    android:layout_toRightOf="@id/item_gambar_tanaman"
    android:orientation="vertical">

    <TextView
        android:id="@+id/item_nama_tanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:singleLine="true"
        android:text="Nama"
        android:textColor="@android:color/black"
        android:textSize="24sp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/item_nama_latin_tanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:singleLine="true"
        android:text="Nama latin"
        android:textSize="12dp"
        android:textStyle="italic" />

    <TextView
        android:id="@+id/item_jenis_tanaman"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:singleLine="true"
        android:text="jenis"
        android:textSize="17dp" />

</LinearLayout>

<ImageView
    android:id="@+id/btn_to_detail"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```

        android:layout_alignParentRight="true"
        android:layout_centerVertical="true"
        android:layout_marginRight="10dp"
        android:src="@drawable/ic_keyboard_arrow_right_black_24dp"
    />

    </RelativeLayout>

</android.support.v7.widget.CardView>

```

File 92. item_welcome.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/andr
oid"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center_vertical">

    <android.support.v7.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="8dp"
        app:cardCornerRadius="20dp">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content">

            <ImageView
                android:id="@+id/image_welcome"
                android:layout_width="match_parent"
                android:layout_height="300dp"
                android:scaleType="centerCrop"
                android:src="@drawable/fitur_1" />

            <TextView
                android:id="@+id/title_welcome"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_below="@id/image_welcome"
                android:layout_marginLeft="16dp"
                android:layout_marginTop="10dp"
                android:text="Brochure"
                android:textColor="#262626"
                android:textSize="16sp" />

            <TextView

```



```

        android:id="@+id/desc_welcome"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/title_welcome"
        android:layout_marginLeft="16dp"
        android:layout_marginTop="3dp"
        android:layout_marginRight="16dp"
        android:drawablePadding="3dp"
        android:ellipsize="end"
        android:maxLines="3"
        android:text="Description" />
    </RelativeLayout>
</android.support.v7.widget.CardView>

</RelativeLayout>

```

File 93. toolbar_detailpost_menu.xml

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">

    <item
        android:id="@+id/menu_edit"
        android:icon="@drawable/ic_edit_white_24dp"
        android:iconTint="@android:color/white"
        android:title="Edit"
        app:showAsAction="always" />

    <item
        android:id="@+id/menu_delete"
        android:icon="@drawable/ic_delete_white_24dp"
        android:iconTint="@android:color/white"
        android:title="Delete"
        app:showAsAction="always" />

</menu>

```

File 94. toolbar_main_menu.xml

```

<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto">

    <item
        android:id="@+id/menu_add"
        android:icon="@drawable/ic_add_black_24dp"
        android:iconTint="@android:color/black"
        android:title="Add"
        app:showAsAction="always" />

</menu>

```

```
<item
    android:id="@+id/menu_settings"
    android:icon="@drawable/ic_edit_white_24dp"
    android:iconTint="@android:color/black"
    android:title="Settings"
    app:showAsAction="always" />
<item
    android:id="@+id/menu_done"
    android:icon="@drawable/ic_done_white_24dp"
    android:iconTint="@android:color/black"
    android:title="Settings"
    app:showAsAction="always" />

<item
    android:id="@+id/menu_share"
    android:icon="@drawable/ic_share_white_24dp"
    android:iconTint="@android:color/black"
    android:title="Share"
    app:showAsAction="ifRoom" />

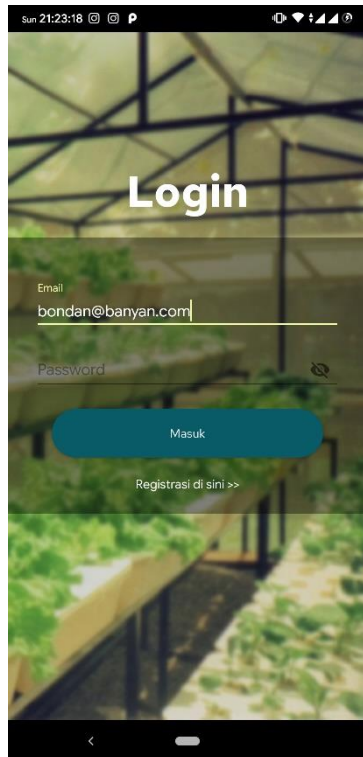
<item
    android:id="@+id/menu_about"
    android:icon="@drawable/ic_info_black_24dp"
    android:iconTint="@android:color/black"
    android:title="About" />

<item
    android:id="@+id/menu_exit"
    android:icon="@drawable/ic_exit_to_app_black_24dp"
    android:iconTint="@android:color/black"
    android:title="Logout" />
</menu>
```

Panduan Penggunaan Banyan

User Interfaces

Login



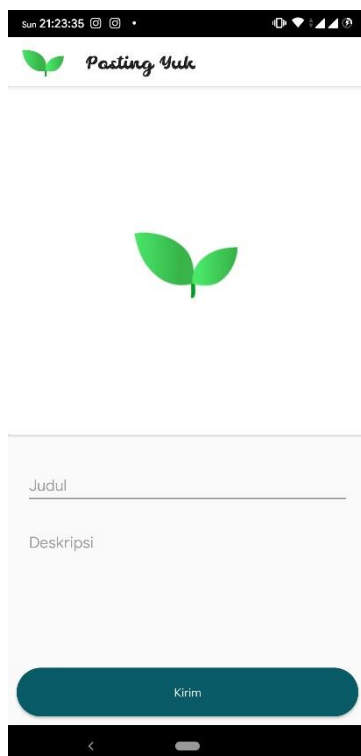
Halaman Login untuk akses masuk pengguna yang memiliki akun

Beranda



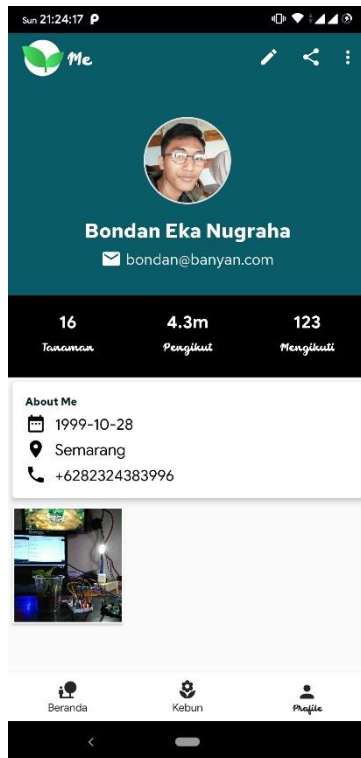
Beranda digunakan sebagai *Mini Social Media* untuk bertukar pikiran antar satu pengguna dengan pengguna lain.

Posting



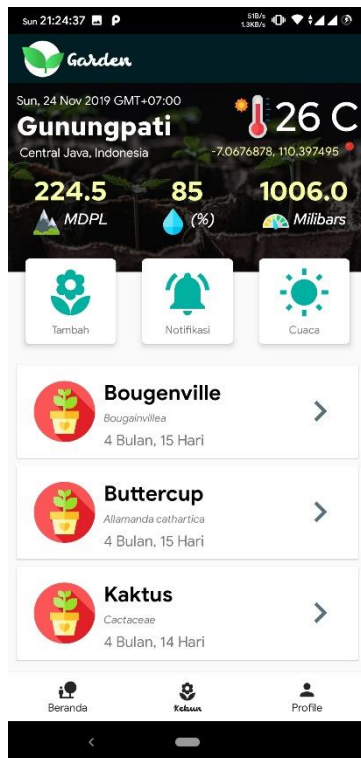
Menu Posting dapat digunakan oleh pengguna untuk membagikan pengalaman.

Akun Saya



Menu *Akun Saya* berisi informasi data pengguna dan daftar posting yang telah dilakukan oleh pengguna.

Virtual Garden



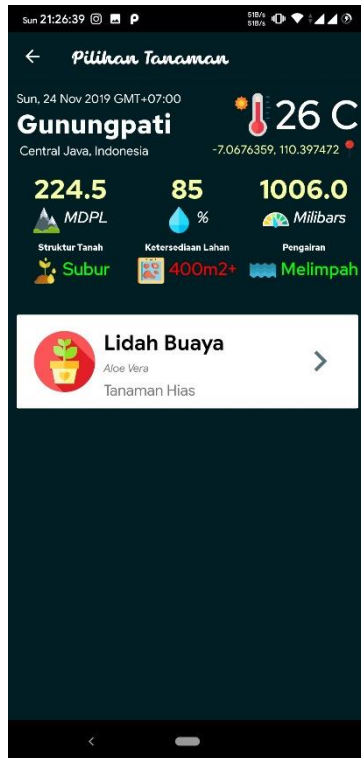
Menu Virtual Garden berisi tentang informasi cuaca dan keadaan kebun pengguna secara *realtime*. Layaknya kebun nyata, *Virtual Garden* menyajikan daftar tanaman yang dimiliki oleh pengguna beserta informasi dari setiap individu tanaman tersebut.

Rekomendasi



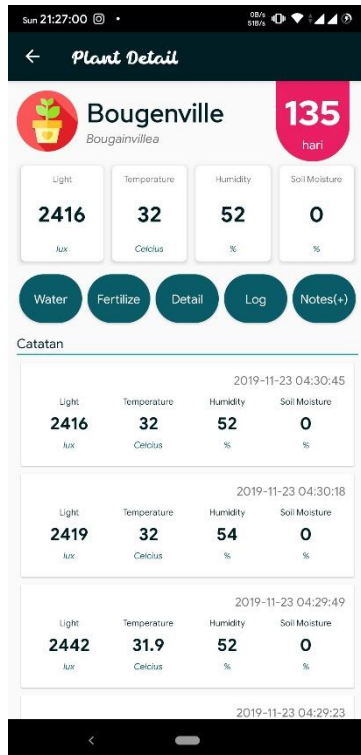
Menu *Rekomendasi* menampilkan peta lokasi pengguna, dari lokasi tersebut diambil data cuaca dan parameter lainnya secara otomatis dan manual oleh pengguna sebagai input untuk sistem dalam menentukan kecocokan kondisi lokasi pengguna dengan tanaman yang tersedia dalam sistem untuk memberikan rekomendasi terhadap pengguna akan tanaman yang cocok untuk ditanam pada lahan tersebut.

Hasil Rekomendasi



Menu Hasil Rekomendasi menampilkan hasil rekomendasi tanaman yang cocok bagi pengguna yang diberikan oleh sistem.

Detail Tanaman



Menu Detail Tanaman memberikan seluruh informasi dari individu tanaman yang dimiliki pengguna. Pengguna dapat melakukan pemantauan dan perlakuan langsung terhadap tanaman melalui data yang didapat dari perangkat IoT yang ditanam pada lingkungan tanaman dan terhubung dengan sistem melalui internet. Terdapat 2 jenis perlakuan kepada tanaman yaitu penyiraman air dan penyiraman pupuk organik cair.

Catatan Tanaman



Melalui menu Catatan Tanaman, pengguna dapat menambahkan catatan khusus untuk tanaman secara mandiri.

Wikipedia Tanaman



Aplikasi Banyan menyediakan Wikipedia tanaman sebagai bahan belajar bagi pengguna. Menu Wikipedia Tanaman memberikan informasi detail dari setiap tanaman yang tersedia di aplikasi Banyan.