REKAM JEJAK SEBAGAI REVIEWER

Judul Artikel : Effects of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of *Chlorella vulgaris*

Jurnal : Biofuels Agustus 2019, Pages 1-11

Authors : Norazela Nordin, Norjan Yusof, Syafiqah Md Nadzir, Mohd Zulkhairi Mohd Yusoff & Mohd Ali Hassan

No	Tanggal	Kegiatan
1	Saturday, April 13, 2019, 12:17 PM	Tawaran sebagai reviewer - TBFU-2019-0092 (tahap 1)
2	Sunday, April 14, 2019, 06:50 AM	Ucapan terima kasih menyetujui tawaran sebagai reviewer
3	Saturday, April 20, 2019, 12:52 PM	Informasi batas waktu mereview
4	Saturday, April 27, 2019, 11:05 PM	Ucapan terima kasih sudah mereview
5	Sunday, April 28, 2019, 12:57 PM	Mendapatkan pengakuan sebagai reviewer di Publons
6	Tuesday, May 14, 2019, 01:20 PM	Informasi bahwa pengakuan sebagai reviewer di Publons belum divalidasi
7	Monday, July 8, 2019, 09:32 AM	Tawaran sebagai reviewer - TBFU-2019-0092R1 (hasil revisi)
8	Tuesday, July 9, 2019, 07:07 AM	Ucapan terima kasih menyetujui tawaran sebagai reviewer artikel hasil revisi (tahap 2)
9	Monday, July 15, 2019, 11:59 AM	Informasi batas waktu mereview tahap 2
10	Monday, July 22, 2019, 02:17 PM	Ucapkan terima kasih sudah mereview tahap 2
11	Tuesday, July 23, 2019, 12:01 PM	Mendapatkan pengakuan sebagai reviewer tahap 2 di Publons

Reviewer Invitation for Effects of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris - TBFU-2019-0092

From: Biofuels (em@editorialmanager.com)

To: megawatie@yahoo.com

Date: Saturday, April 13, 2019, 12:17 PM GMT+7

Apr 13, 2019

Dear Dr Megawati,

You have been invited to review a manuscript for Biofuels.

I would be grateful if you would review a paper entitled "Effects of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris " for this journal.

This is the abstract:
The aim of the study is to investigate the effects of photo-autotrophic cultural conditions on the productivity and biomass composition of Chlorella vulgaris. The following five photo-autotrophic cultural conditions were investigated: light intensity (4000, 10500, 17000, 23000, 30000 lux), temperature (25, 28, 32, 35, 40oC), pH (6, 7, 8, 9, 10), CO2 (0.03, 2.5, 5, 7.5, 10%), and NO3- (0, 250, 500, 750, 1000 mg/L). Results indicated that lipid and protein yields were increased 3.19-fold and decreased 1.47-fold, respectively in 0 mg/L NO3-. Meanwhile, carbohydrate yield was increased 1.39-fold in 5% CO2. Further cultivation with parameters that indicated the highest biomass productivity (10500 lux, 28oC, pH 8, 5% CO2, and 500 mg/L NO3-) achieved the maximum biomass productivity of 0.468 g/L/day. Moreover, cultivation with the parameters that indicated the highest lipid yield (23500 lux, 40oC, pH 8, 0.03% CO2, and 0 mg/L NO3-) achieved the maximum lipid yield of 43.70%. The
major FAME compositions produced were methyl arachidate (39.08%), methyl palmitate (37.15%), and methyl linolelaidate (14.19%), thus producing biodiesel with high cetane number and oxidative stability. These promising results provide a comprehensive comparison regarding the effect of photo-autotrophic cultural conditions on microalgae biomass, and its potential application as biofuels feedstock.

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The manuscript reference is TBFU-2019-0092.

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With kind regards

Marc A. Rosen, PhD
Editor-in-Chief

Thank you for agreeing to review - TBFU-2019-0092

From: Biofuels (em@editorialmanager.com)

To: megawatie@yahoo.com

Date: Sunday, April 14, 2019, 06:50 AM GMT+7

Apr 13, 2019

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Biofuels

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Review assignment for TBFU-2019-0092 is due soon

From: Biofuels (em@editorialmanager.com)

To: megawatie@yahoo.com

Date: Saturday, April 20, 2019, 12:52 PM GMT+7

Apr 20, 2019

Ref.: Ms. No. TBFU-2019-0092
Effects of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris
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Biofuels

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Effects of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris
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Reviewer Invitation for Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris - TBFU-2019-0092R1

From: Biofuels (em@editorialmanager.com)

To: megawatie@yahoo.com

Date: Monday, July 8, 2019, 09:32 AM GMT+7

Jul 07, 2019

Dear Dr Megawati,

You have been invited to review a revision of a manuscript for Biofuels.

I would be grateful if you would re-review a paper entitled "Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris" for this journal. Your original comments can be found at the end of this e-mail. They can also be found online once you agree to re-review this paper.

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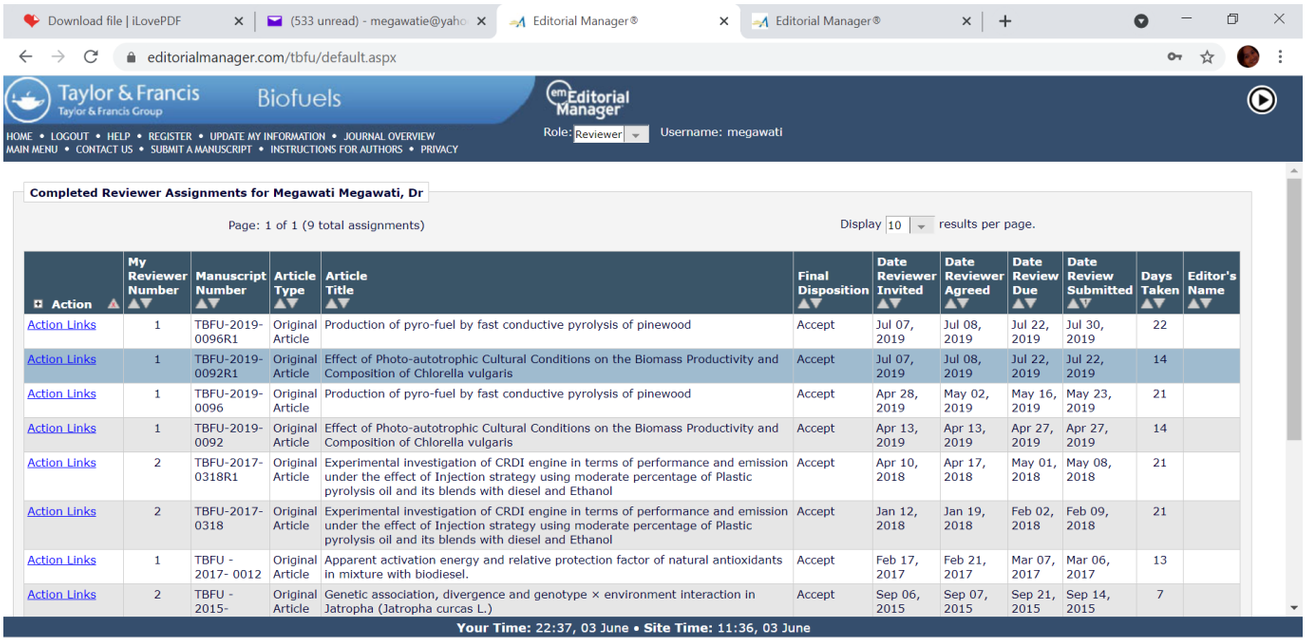
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Action | My Reviewer Number | Manuscript Number | Article Type | Article Title | Final Disposition | Date Reviewer Invited | Date Reviewer Agreed | Date Review Due | Date Review Submitted | Days Taken | Editor's Name
Action Links | 1 | TBFU-2019-0096R1 | Original Article | Production of pyro-fuel by fast conductive pyrolysis of pinewood | Accept | Jul 07, 2019 | Jul 08, 2019 | Jul 22, 2019 | Jul 30, 2019 | 22
Action Links | 1 | TBFU-2019-0092R1 | Original Article | Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris | Accept | Jul 07, 2019 | Jul 08, 2019 | Jul 22, 2019 | Jul 22, 2019 | 14
Action Links | 1 | TBFU-2019-0096 | Original Article | Production of pyro-fuel by fast conductive pyrolysis of pinewood | Accept | Apr 28, 2019 | May 02, 2019 | May 16, 2019 | May 23, 2019 | 21
Action Links | 1 | TBFU-2019-0092 | Original Article | Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris | Accept | Apr 13, 2019 | Apr 13, 2019 | Apr 27, 2019 | Apr 27, 2019 | 14
Action Links | 2 | TBFU-2017-0318R1 | Original Article | Experimental investigation of CRDI engine in terms of performance and emission under the effect of Injection strategy using moderate percentage of Plastic pyrolysis oil and its blends with diesel and Ethanol | Accept | Apr 10, 2018 | Apr 17, 2018 | May 01, 2018 | May 08, 2018 | 21
Action Links | 2 | TBFU-2017-0318 | Original Article | Experimental investigation of CRDI engine in terms of performance and emission under the effect of Injection strategy using moderate percentage of Plastic pyrolysis oil and its blends with diesel and Ethanol | Accept | Jan 12, 2018 | Jan 19, 2018 | Feb 02, 2018 | Feb 09, 2018 | 21
Action Links | 1 | TBFU - 2017- 0012 | Original Article | Apparent activation energy and relative protection factor of natural antioxidants in mixture with biodiesel. | Accept | Feb 17, 2017 | Feb 21, 2017 | Mar 07, 2017 | Mar 06, 2017 | 13
Action Links | 2 | TBFU - 2015- | Original Article | Genetic association, divergence and genotype × environment interaction in Jatropha (Jatropha curcas L.) | Accept | Sep 06, 2015 | Sep 07, 2015 | Sep 21, 2015 | Sep 14, 2015 | 7
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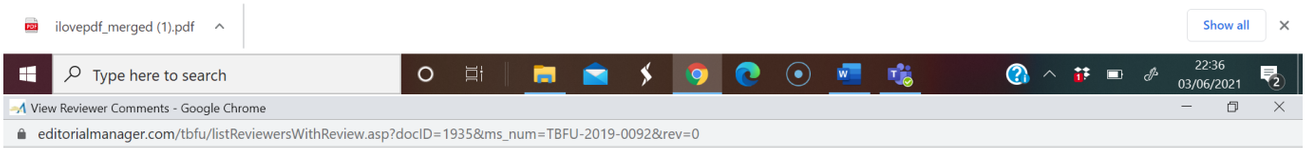
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"Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris"
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Original Submission
Megawati Megawati, Dr (Reviewer 1) | Major Revision
(Reviewer 3) | Minor Revision
(Reviewer 4) | Major Revision
Author Decision Letter | Major Revision
Author | Response to Reviewers
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TBFU-2019-0092
"Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris"
Original Submission

Megawati Megawati, Dr (Reviewer 1)

Reviewer Recommendation Term:	Major Revision
Custom Review Question(s):	**Response**
Would you be willing to review a revision of this manuscript?	**Yes:**
Is there a financial or other conflict of interest between your work and that of the authors?	No
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Comments to Editor:

COMMENTS

Introductions

State of the art and its current issues are less visible. Why is the variation of the conditions chosen, such as light intensity (4000, 10500, 17000, 23000, 30000 lux), temperature (25, 28, 32, 35, 40oC), pH (6, 7, 8, 9, 10), CO2 (0.03, 2.5, 5, 7.5, 10%), and NO3 (0, 250, 500, 750, 1000 mg/L)?

Methodology

The procedures are less detailed.

1. Micro algae growth curve is not yet shown.

2. Where is the point on the exponential phase exactly (maybe this point can be expressed as the time exactly from the microalgae cultivating start)?

3. How to guarantee the concentration of micro algae for each running 0.05 g / L?

4. Reference density analysis from which is not included.

5. The result of the re-expression equation should be completed with the procedure for obtaining the raw data. How to get the standard Chlorella vulgaris solution?

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Reviewer Recommendation Term: Major Revision

Custom Review Question(s):	**Response**
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Comments to Editor:

COMMENTS

Introductions

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2. Where is the point on the exponential phase exactly (maybe this point can be expressed as the time exactly from the microalgae cultivating start)?

3. How to guarantee the concentration of micro algae for each running 0.05 g / L?

4. Reference density analysis from which is not included.

5. The result of the re-expression equation should be completed with the procedure for obtaining the raw data. How to get the standard Chlorella vulgaris solution?

6. The reference to the specific growth rate equation is not included and the reasons why the equation is used as a reference.

7. Why are the kinetic (biomass productivity) equations referred to as Eq. (3)?

Results and Discussions

Some differences with the references raised are not accompanied by the reasons, why the differences occur.

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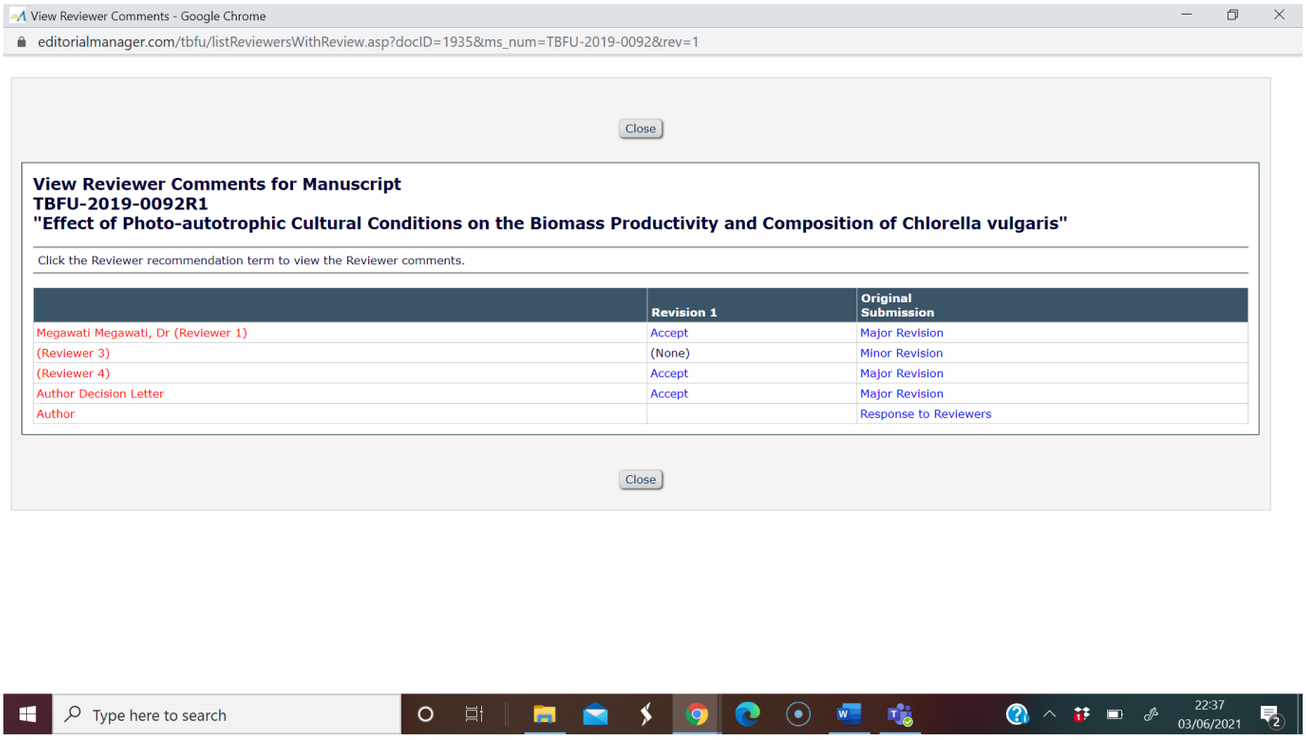
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"Effect of Photo-autotrophic Cultural Conditions on the Biomass Productivity and Composition of Chlorella vulgaris"
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Revision 1
Original Submission
Megawati Megawati, Dr (Reviewer 1)
Accept
Major Revision
(Reviewer 3)
(None)
Minor Revision
(Reviewer 4)
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Major Revision
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