

# PROCEEDING

THE 8<sup>th</sup> INTERNATIONAL CONVENTION OF INDOONESIAN ASSOCIATION  
OF TECHNOLOGICAL AND VOCATIONAL EDUCATION (APTEKINDO)  
AND 19TH INDOONESIAN CONGRESS OF FT/FPTK-JPTK

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Regional Association for  
Vocational Teacher Education  
in East and Southeast Asia

# **EDUCATIONAL TECHNOLOGY AND VOCATIONAL IN ASEAN ECONOMIC COMMUNITY, INTERNATIONAL CONFERENCE PROCEEDINGS**

**3-6 August 2016**

**Auditorium State University of Medan, Medan, North Sumatera, Indonesia**

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**FACULTY OF ENGINEERING  
STATE UNIVERSITY OF MEDAN  
NORTH SUMATERA, INDONESIA**

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INTERNATIONAL CONFERENCE PROCEEDINGS**

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## Preface

We feel thankful to Allah for the blessing so that the book of proceeding of National Seminar completely compiled in relating to the 8th National Convention of Indonesian Association of Technological and Vocational Education (APTEKINDO) and 19th Indonesian Congress of FT/FPTK-JPTK 3 - 6 August 2016 in State University of Medan.

The main objectives of the seminar is to improve the capability in vocational technology in theme: **The role of educational technology and vocational in Asean Economic Community (AEC)** which is adopted from the researches in order to upgrade the graduates to be International standard so that the output of LPTK-PTK be able to compete in AEC. Therefore, the National seminar, convention and workshop of Indonesian LPTK-PTK may emerge the thoughts how to strength the role of LPTK to improve the quality of the vocational teachers in Indonesia.

Hopefully this proceeding book will be useful to develop technology, art, and culture. This book also can be as a reference to intensify the National development.

The committee would express our gratitude to all participants and stakeholders in supporting the National seminar, convention and workshop of Indonesian LPTK-PTK

Medan, 6 August 2016  
Chairman,

Prof. Dr. Abdul Hamid K, M.Pd.  
NIP. 195802221981031001

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The opportunity and challenge of vocational education in facing Asean Economic Community (AEC)

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- EI-02-105 LEARNING E-LEARNING IN HIGHER EDUCATION BASED LEARNING MANAGEMENT SYSTEM ( LMS )  
*Lita Sari Muchlis, State University of Padang*
- EI-02-034 MEDIA DEVELOPMENT BASED LEARNING INTERACTIVE MULTIMEDIA SKILLS SUBJECT CRAFTS  
*Dina Ampera & Efnarayi Artania Siagian, State University of Medan*
- EI-02-106 THE INFLUENCE OF LEARNING STRATEGY AND THE TYPE OF PERSONALITY AGAINST LEARN RESULT IN THE FIELD OF MATHEMATICS IN LESSON YEAR OF 2013-2014 (Experiment Study at SMK II Manado)  
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- EI-02-107 COMPLAINT SYSTEM IMPLEMENTATION OF PATIENTS HOSPITAL TREATMENT OF SERVICE USING SMS GATEWAY GAMMU  
*Febriyanno Suryana & Erdisna, Putra Indonesia University*
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*Agung Sutarto, State University of Semarang*
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*Endah Kanti Pangestuti & Sri Handayani, State University of Semarang*
- EI-02-088 RELATED BETWEEN VOCATIONAL SECONDARY SCHOOL (SMK) WITH JOB AVAILIBILITY IN CENTRAL JAVA  
*Yeri Sutopo & Mursid Zuhri, State University of Semarang*
- EI-02-108 TASK INTERPRETATION TO IMPROVE THE STUDENTS' LEARNING OUTCOMES OF FAMILY WELFARE SCIENCE COURSE  
*Luthfiyah Nurlaela & Ita Fatkhur Romadhoni*



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*Sicilia Sawitri, Ade Novi Nurul Ichsani, & Siti Nurrohmah, State University of Semarang*
- EI-03-002 THE ROLE OF VOCATIONAL SCHOOL TEACHERS TO GROW THE COMPETITIVENESS IN ENTREPRENEURSHIP OF VOCATIONAL SCHOOL STUDENTS STUDY PROGRAM OF BEAUTY MANNER  
*Ade Novi Nurul Ihasani, State University of Semarang*
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- EI-03-004 THE INTEGRATION OF ENTREPRENEURSHIP LEARNING INTO OTHER COURSES TO STABILIZE ENTREPRENEURSHIP SKILL  
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*A. Muhammad Idkhan, Andi Muhammad Irfan, & Sunardi, State University of Makassar, State University of Malang*
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- EI-03-008 CONTRIBUTION OF LEARNING MANAGEMENT CLOTHING BUSINESS OF READINESS PLANTING BUSINESS TEXTILE CRAFT  
*Marlina, Indonesia University of Education*
- EI-03-009 E-COMMERCE SYSTEM MODEL FOR ENTREPRENEUR FROM DIGITAL NATIVES GENERATION WITH NON INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) BACKGROUND (CASE STUDY ON INDONESIA UNIVERSITY OF EDUCATION STUDENTS)  
*Enjang A. Juanda, Ali Ibnun Nurhadi, Bambang Trisno, & Arjuni B.P., Indonesia University of Education*





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*Alvia Wesnita, State University of Padang*
- EI-03-011 INCULCATE TECHNOPRENEURSHIP IN THE STUDENT VOCATIONAL FACING ASEAN ECONOMIC COMMUNITY  
*Rusli Saputra & Febriyono Suryana, State University of Padang*
- EI-03-012 BUSINESS PROCESS MODELLING OF INTERNAL QUALITY ASSURANCE SYSTEM FOR DIPLOMA PROGRAMS: CASE STUDY  
*Yulherniwati & Aidil Ikhsan, State University of Padang, Bung Hatta University*
- EI-03-013 MINANG TRADITIONAL FOOD DEVELOPMENT AS A FORMULA IN THE IMPROVEMENT OF CHILD NUTRITIONAL STATUS OF CHILDREN IN WEST SUMATRA  
*Yuliana & Asmar Yulastri, State University of Padang*
- EI-03-014 OBSERVING THE TOURISM POTENCY IN KENAGARIAN SIMABUR, DISTRICT OF PARIANGAN TANAH DATAR REGENCY, WEST SUMATRA  
*Ira Meirina Chair, State University of Padang*
- EI-03-015 GROWING UP THE ENTREPRENEURIAL POTENTIAL LIFE OF THE STUDENTS THROUGH INTERNSHIP IN BUSINESS CENTER IN SMALL INDUSTRIES OF PUDAK, GRESIK - EAST JAVA  
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*Saptriana*
- EI-04-002 Dual System Education Program Review With Stake's Countenance Model At Vocational High School (SMK) Public School 2 Kupang  
*I Made Parsa, Nusa Cendana University*
- EI-04-003 EVALUATION OF PROGRAM WORK PRACTICE IN INDUSTRY (PRAKERIN) IN THE ERA OF CENTRALIZED VOCATIONAL EDUCATION IN THE WEST SUMATRA USING CIPPO MODEL  
*Ambiyar, State University of Padang*
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*Dyah Nurani Setyaningsih, State University of Semarang*
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*Agus Hery Supadmi Irianti, State University of Malang*
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*Any Sutiadiningsih, A. Sonhadji K.H, Eddy Sutadji, & Luthfiah Nurlaela, State University of Surabaya, State University of Malang*
- EI-04-008 SYNERGY OF SKILLED LABOR PREPARATION: A CASE STUDY IN BUILDING ENGINEERING PROGRAM VOCATIONAL HIGH SCHOOL  
*Isnandar, State University of Malang*
- EI-04-012 STUDY ON MARINE CURRENT WITH APPROACH OF A NUMERICAL MODEL FOR MARINE CURRENT POWER PLANT IN THE BANGKA STRAIT NORTH SULAWESI  
*Parabelem Tinno Dolf Rompas, Heindrich Taunaumang, Ferry Jhony Sangari, State University of Manado*
- EI-04-009 STUDY DESCRIPTIVE ABOUT STUDENT'S VOCATIONAL INTEREST AND THEIR PARENT'S OCCUPATION  
*Nurhasan Syah, Aster Devy Kumalasari, & Elrisfa Magistarina, State University of Padang, Padjajaran University*



- EI-04-010 DEVELOPING INTERNSHIP PROGRAM  
*Nurhasan Syah, Aster Devy Kumalasari, & Elrisfa Magistarina, State University of Padang, Padjajaran University*
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*Raimon Efendi, Tri Monarita Johan, State University of Padang*
- EI-04-014 IMPLEMENTATION OF MACHANICAL ENGINEERING CURRICULUM FOR 3 AND 4 YEARS VOCATIONAL HIGH SCHOOL WITHIN THE LEARNING PROCESS IN SCHOOL AND INDUSTRY TO INCREASE GRADUATES QUALITY IN ASEAN ECONOMIC COMMUNITY ERA  
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*Windra Aini, Djoko Kustono, Ahmad Dardiri, Waras Kamdi, State University of Malang*

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*Vitriani, Universitas Muhammadiyah Riau*
- EI-05-002 EFFECTIVENESS OF CD INTERACTIVE LEARNING GRAPHIC DESIGN BASED MULTIMEDIA FOR VOCATIONAL SCHOOL STUDENT IN DHARMASRAYA  
*Kasman Rukun, Asrul Huda, & Yeka Hendriyani, State University of Padang*
- EI-05-003 ENTERPRISE ARCHITECTURE PLANNING TO DEVELOPMENT FACULTY OF INFORMATION SYSTEMS USING ZACHMAN FRAMEWORK METHOD  
*Syahtriatna, Zamzami, & Yogi Yunefri, State University of Padang*
- EI-05-004 THE DEVELOPMENT OF INSTRUCTIONAL MEDIA BASE ON E-LEARNING TO INCREASE THE CLASS EFFECTIVENESS IN VOCATIONAL HIGH SCHOOL  
*Hapsari Peni, Puput Wanarti, Euis Ismayati, & Yuni Yamasari, State University of Surabaya*
- EI-05-005 AUTOMATED-KNOWLEDGE MANAGEMENT SYSTEM MODEL IN VOCATIONAL EDUCATION FOR ENHANCING LEARNING CAPACITY  
*Yeni Anistiyasari & Rina Harimurti, State University of Surabaya*



- EI-05-006 EVALUATION OF PRACTICE LEARNING COMPUTER SKILL COURSE DRAWING PROGRAM MODE CLOTHING EDUCATIONAL SYSTEM STATE UNIVERSITY MEDAN (UNIMED)  
*Netty Juliana, State University of Medan*
- EI-05-007 LEARNING SYSTEM IMPROVEMENT ON HYDRAULICS COURSES OF CIVIL ENGINEERING STUDENTS  
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- EI-05-008 INVESTIGATING EMOTIONAL HONESTY THAT EFFECT LEADER BEHAVIOR: A CASE STUDY ON VOCATIONAL HIGH SCHOOL HEADMASTER  
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- EI-05-009 THE STUDY OF AVAILABILITY LAND USED TOWARD SUSTAINABLE CAMPUS DEVELOPMENT (CASE STUDIES IN SEVERAL LOCATIONS OF THE FKIP UNS CAMPUS)  
*Sukatiman, Sebelas Maret University*
- EI-05-010 INTEGRATING THE QUALITATIVE AND THE QUANTITATIVE SWOT FOR DEVELOPING THE EFFECTIVE STRATEGIS WITHIN THE TECHNOLOGICAL AND VOCATIONAL EDUCATION  
*Suharno, Sebelas Maret University*
- EI-05-011 THE OVERBURDEN BLAST PLANNING STUDY OF BANKO BARAT PIT I MINE PT BUKIT ASAM (PERSERO) TBK, TANJUNG ENIM, SOUTH SUMATERA  
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- EI-05-012 THE EFFECT OF ADDITIONAL ORGANIC MATERIAL AT TEMPERATURE ON ENVIRONMENT ROAD  
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- EI-05-013 AN EXPERIMENTAL REVIEW OF THE SQUARE THE FIN TUBE IN THE UPPER TANK OF RADIATOR AND THE ADDITION OF BIODIESEL INTO THE DIESEL TOWARD THE OPACITY OF DIESEL ENGINE  
*Danar Susilo Wijayanto, Ngatou Rohman, Ranto, & Husin Bugis, Surakarta State University*
- EI-05-014 MODULAR BEAM SEGMENT FOR BUILDING CONCRETE BEAMS  
*Chundakus Habsya, Abdul Haris Setiayawan, & M. Akhyar, Sebelas Maret University*
- EI-05-015 SOFT SKILL AND ENTREPRENEURIAL CAREER GUIDANCE MODEL FOR ENHANCING TECHNICAL VOCATIONAL EDUCATION AND TRAINING'S GRADUATES COMPETITIVENESS  
*Ahmad Dardiri, State University of Malang*
- EI-05-016 CLOUD COMPUTING BASED ONLINE LEARNING FOR STUDENTS VOCATIONAL EDUCATION (D-3) ELECTRONIC ENGINEERING DEPARTMENT  
*Sapto Haryoko & Hendra Jaya, State University of Makassar*



- EI-05-017 ADVANTAGE WASTE THE CEIBA PENTANDRA SEEDSTO ALTERNATIVE FUEL DIESEL ENGINES  
*Muhaji, State University of Surabaya*
- EI-05-018 THE GEOGRAPHICAL INFORMATION SYSTEM (SIG) A RESIDENCY STUDENTS SMART FAST EDUCATION IN TEH CITY OF PEKANBARU WITH WEB-BASED  
*Eddis Syahputra Pane, Harianja, & Muhammad Sadar, State University of Padang*
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*Suryo Hartanto, Ratih Fordiana, & Depi Suadi, Universitas Riau Kepulauan*
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*Murad MS, State University of Padang*
- EI-05-021 AN ASSESSMENT OF ELECTRICITY CONSTRUCTION SERVICE INDUSTRIAL NEEDS-BASED ELECTRICAL INSTALLER  
*Sukardi, State University of Padang*
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*Heri Yudiono, State University of Semarang*
- EI-05-023 SAFETY EVALUATION OF CONSTRUCTION WORK ON BLASTING (CASE STUDY :KELOK 9 BRIDGE PROJECT, WEST SUMATRA)  
*Henny Yustisia, State University of Padang*
- EI-05-024 THE EFFECT OF ONLINE TRAVEL AGENCY CUSTOMER PERCEIVED VALUE TO SATISFACTION AND LOYALTY (A Case study at VALADOO.COM)  
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- EI-05-025 PERFORMANCE MULTI BLADE WINDMILL PLANITER TRANSMISSION SYSTEM USING DIFFERENTIAL FOR ELECTRICAL ENERGY CONVERSION  
*Waskito, Hasanuddin, Purwantono, Ambiyar, & Hendri N, State University of Padang*
- EI-05-026 SAFETY SYSTEM DESIGN AS A SAFETY TRANSFORMER DIFFERENTIAL RELAY LABORATORY SYSTEM POWER ELECTRICAL ENGINEERING DEPARTMENT UNIVERSITY OF BUNG HATTA  
*Ija Darmana & Riki Adriadi, State University of Padang, Bung Hatta University*
- EI-05-027 STRUT-AND-TIE METHOD – ANALYSIS AND ITS APPLICATION IN DESIGNING OF REINFORCED CONCRETE STRUCTURE  
*Nevy Sandra, State University of Padang*
- EI-05-028 LEARNING INNOVATION PATTERN DESIGN SYSTEM FASHION COURSES UNIVERSITY STATE OF SURABAYA IN PREPARING VOCATIONAL TEACHERS  
*Ratna Suhartini, State University of Surabaya*



- EI-05-029 GROUNDING RESISTANCE REDUCTION OF PARALLEL ROD ELECTRODE AT UIN SUSKA RIAU  
*Liliana, Cahyono. K., State University of Padang*
- EI-05-030 THE EVALUATION OF LEARNING DEVICE IN THE EFFORT OF IMPROVING LEARNING QUALITY OF MATHEMATICS IN UNDERGRADUATE EDUCATION OF BUILDING ENGINEERING DEPARTMENT OF CIVIL ENGINEERING FACULTY OF ENGINEERING STATE UNIVERSITY OF SURABAYA  
*Ninik Wahyu Hidajati, State University of Surabaya*
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*Sepannur Bandri, Padang Institute Of Technology*
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*Elvira Asril1, Fajrizal, & Pazuun, Lancang Kuning University*
- EI-05-035 MODEL IMPROVING THE QUALITY OF VOCATIONAL SECONDARY EDUCATION THROUGH THE UTILIZATION OF ACADEMIC INFORMATION SYSTEM BASED ON INFORMATION TECHNOLOGY IN REMOTE AREA  
*Louisa Kandoli, Djoko Kustono, Eddy Sutadji, & Rina Rifqie Mariana, State University of Manado*
- EI-05-036 MEDIA DEVELOPMENT BASED LEARNING INTERACTIVE MULTIMEDIA SKILLS SUBJECT CRAFTS  
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- EI-05-037 AUTOMATED-KNOWLEDGE MANAGEMENT SYSTEM MODEL IN VOCATIONAL EDUCATION FOR ENHANCING LEARNING CAPACITY  
*Yeni Anistyasari & Rina Harimurti, State University of Surabaya*



## EI -02 -010

# EFFECTIVITY OF INVOLVING OF UNNES COOKERY EDUCATION UNDERGRADUATED STUDENT ON COMMUNITY SERVICE PROGRAM “PENDIDIKAN SARAPAN SEHAT ANAK SD GUNUNGPATI KOTA SEMARANG 2016”

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### ABSTRACT

*PERGIZI Pangan Indonesia and Indofood Tbk., have taken UNNES Cookery Education Undergraduated Program Study as partner on community service program “Pendidikan Sarapan Sehat Anak SD Gunungpati Kota Semarang 2016” on Semarang City. UNNES Cookery Education Undergraduated Program Study called up and mobilized 21 Lecturers and 107 undergraduated students to make success this program. The aim of this study is to analyze about effectivity of involving Of UNNES Cookery Education Undergraduated Student on this program. The community Service Program, consists of 3 activities about healthy Breakfast Education : TOT From PERGIZI Pangan Indonesia toward UNNES Cookery Education lecturers and undergraduated students, TOT From UNNES lecturers toward elementary school teachers on Gunungpati districts of Semarang City and Healthy Breakfast Teaching from UNNES undergraduated students toward elementary school students on Gunungpati districts. The method to determine the effectivity of involving UNNES student on this community service program is consisted of : calculation about presence on the 3 activities, and calculation about their healthy breakfast teaching report toward elementary school students. Element calculation about the teaching report is composed of : elementary school name, undergraduated student personality, name of elementary school students, total student on class, claim good food by elementary student, and opinion of elementary student about healthy breakfast education. Based on data, 100% of undergraduated student of cookery education program, have high enthusiasm to take up this program, this fact is concluded from 100% attendance undergraduated student in TOT class and teaching class, and their opinion collected by healthy breakfast local committee. About 70% of undergraduated students can submit completely report based on all element of question. 30% of undergraduated students cannot complete their report, because they fail to make good communication with elementary student in their healthy breakfast teaching class or fail to describe the situation. In conclusion, involving undergraduated student of UNNES Cookery Education Program Study in Healthy Breakfast Education 2016 for Elementary School Student in Gunungpati, Semarang City, is relative effective.*

Key Word : Involving, undergraduate, community service program

### INTRODUCTION

Healthy breakfast program is a part of national program to celebrate National Nutrition Day and National Breakfast Week of 2016. Culinary Education Program of Semarang State University in collaboration with Pergizi Pangan Indonesia and PT. Indofood conducted healthy breakfast program at elementary schools in Gunungpati, Semarang. This program was held on 22-24 of March 2016. The training for the college students as facilitators and lecturers was given by Pergizi Pangan Indonesia team at Dekanat Building, Faculty of Engineering, Semarang State University on March 22<sup>nd</sup>, 2016. On March 23<sup>rd</sup>, 2016, the college students and lecturers team gave a facilitator training for elementary schools teachers at di SD Negeri Sekaran 1, SD Negeri Sekaran 2, SD Negeri Patemon 1, SD Negeri Patemon 2, SD Negeri Ngijo 1, SD Negeri Ngijo 2, SD Negeri Mangunsari, and SD Negeri Kalisegoro. The peak program of healthy breakfast for elementary school student was conducted on March 24<sup>th</sup>, 2016 in those schools (Table 1.)

### RESEARCH METHOD

This research is conducted according to the elementary school healthy breakfast program in Gunungpati, Semarang 2016 that consists of some activities. They are: material explanation from experts of Pergizi Pangan

Indonesia to lecturers and college students, material explanation from lecturers to elementary school teachers, and accompaniment of noodle healthy breakfast from college students to elementary school student. The healthy breakfast was provided by PT. Indofood (Table 2 and Table 3).

Table 1. Participants of Healthy Breakfast Program in Semarang

No	Elementary School (SD)	Number of Student	Number of Teacher	Number of College Student
1.	SD N Sekaran 1	287	14	20
2.	SD N Sekaran 2	142	10	12
3.	SD N Patemon 1	206	17	13
4.	SD N Patemon 2	113	10	13
5.	SD N Ngijo 1	125	8	13
6.	SD N Ngijo 2	127	13	13
7.	SD N Mangunsari	135	11	12
8.	SD N Kalisegoro	165	10	12

(Home Economics Department UNNES, 2016).

Table 2. The Description of Facilitator Training Activity by Pergizi Pangan Indonesia at Campus.

No	Activity	Implementation
1	Material explanation about the importance of healthy breakfast	The material was explained by Prod. Dodik Briawan. It covers: the importance of breakfast for children, the general reason why children do not want to have breakfast, the solution, and the portion and composition of healthy breakfast.
2	Modeling of healthy breakfast program yell	Khoirul Anwar gave a model or example of healthy breakfast program yell and it was followed by college students and lecturers as the facilitator candidate.

(Home Economics Department UNNES, 2016).

Table 3. The Description of Training Activity from Lecturer and College Student Team to Elementary School Teacher as Facilitator in Each Elementary School

No	Location	Implementation
1.	SDN Sekaran 1	Healthy breakfast material explanation by Ir Siti Fathonah, M.Kes and Prof. Dodik Briawan.
2.	SDN Sekaran 2	Healthy breakfast material explanation by dr. Eny Widhia Agustin
3.	SDN Patemon 1	Healthy breakfast material explanation by Dr. Sus Widayani, M.Si.
4.	SDN Patemon 2	Healthy breakfast material explanation by Dra. Rosidah, M.Si.
5.	SDN Ngijo 1	Healthy breakfast material explanation by Dra. Titin Agustina, M.Kes.
6.	SDN Ngijo 2	Healthy breakfast material explanation by Ir. Bambang Triatma, M.Si.
7.	SDN Mangunsari	Healthy breakfast material explanation by Dr. Atiek Zahrulianingdyah
8.	SDN Kalisegoro	Healthy breakfast material explanation by Dra. Musdalifah, M.Si.

(Home Economics Department UNNES, 2016).

The data of this research was taken in the implementation of healthy breakfast program for elementary school student in Gunungpati, Semarang. The survey process was conducted using questionnaire of elementary school student response that was taken by the college student who took a part in this program. Then, the college student





reported it to the researcher and the report evaluator. The map of healthy breakfast program 2016 accompaniment by the student of Culinary Education Program UNNES is showed in table 4.

Table 4. The Description of Healthy Breakfast Education Program for Elementary School Student by College Student as Facilitator.

No	Location	Implementation
1.	SDN Sekaran 1	20 college students accompanied 10 classes' elementary students.
2.	SDN Sekaran 2	12 college students accompanied 6 classes' elementary students.
3.	SDN Patemon 1	13 college students accompanied 6 classes' elementary students.
4.	SDN Patemon 2	13 college students accompanied 6 classes' elementary students.
5.	SDN Ngijo 1	13 college students accompanied 6 classes' elementary students.
6.	SDN Ngijo 2	13 college students accompanied 6 classes' elementary students.
7.	SDN Mangunsari	12 college students accompanied 6 classes' elementary students.
8.	SDN Kalisegoro	12 college students accompanied 6 classes' elementary students.

(Home Economics Department UNNES, 2016).

## RESULT AND DISCUSSION

Based on the filled and reported questionnaire survey, 96.94% of the targeted elementary students joined the healthy breakfast program (table 5). Moreover, 12.54% of the participants do not like vegetables and 24.7% do not have breakfast before going to study at school.

Table 5. Questionnaire Report

No.	Point	n	%
1	Class	<b>1 to 6</b>	-
2	Attended Students	<b>1300</b>	<b>96.94</b>
3	Students do not like vegetables	<b>163</b>	<b>12.54</b>
4	Students do not like fruits	<b>10</b>	<b>0.77</b>
5	Students do not like egg	<b>31</b>	<b>2.38</b>
6	Students do not like noodles	<b>13</b>	<b>1.00</b>
7	Students do not like water	<b>8</b>	<b>0.62</b>
8	Students do not like milk	<b>27</b>	<b>2.08</b>
9	Number of students suffers from stomachache when eating vegetables	<b>2</b>	<b>0.15</b>
10	Number of students suffers from stomachache when eating fruits	<b>1</b>	<b>0.08</b>
11	Number of students suffers from stomachache when eating egg	<b>17</b>	<b>1.31</b>
12	Number of students suffers from stomachache when eating noodles	<b>8</b>	<b>0.62</b>
13	Number of students suffers from stomachache when eating milk	<b>31</b>	<b>2.38</b>
14	Number of students who have breakfast at home	<b>554</b>	<b>42.62</b>
15	Number of students who have breakfast at school	<b>425</b>	<b>32.69</b>
16	Number of students who bring lunch box to school	<b>59</b>	<b>4.54</b>
	Total of students who have breakfast	<b>1292</b>	<b>99.38</b>

(Home Economics Department UNNES, 2016).

Based on the evaluation and observation of the college student participation (table 6), the college student of Culinary Education Program UNNES was enthusiastic in joining the program (100 % attended). However, only 89.65% submitted the report. From the accepted report, 70% have a complete data, and 30% have incomplete



data. This condition shows that the curriculum of Culinary Education Program still has a weakness, especially related to the research report. It is still focused on the vocational practice (Culinary Education Program, 2015). Student's motivation in writing or reporting research is still low compare to the practice activity. It is shown in the student's attendance in the healthy breakfast program activity. Whereas, some students do not like the menu (3% of the students do not like noodles). However, they have high enthusiasm to do the program activity (table 6).

Table 6. Evaluation of College Student Participation in Healy Breakfast Program

No.	Point	Amount	Percentage
1	Number of students attend the activity	108	100%
2	Number of students submit the report	52	89,65%
3	Number of students have complete survey data	36	70%
4	Number of students have incomplete survey data	16	30%
5	Number of students active in accompany the participant	108	100%
6	Number of students do not like noodles for breakfast	3	3%

### CONCLUSION

The student of Culinary Education Program UNNES has high enthusiasm in practice or field activity but is still weak in writing or reporting research. Because of this reason, the improvement of curriculum quality in Culinary Education Program is needed. It should be not only focused on the vocational activity program.

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