



Model of Final Project Writing, Thesis, and Publication with MBKM-Oriented at Universitas Negeri Semarang

Zaenuri^a, Mashuri^b, Subhan^c

^a Faculty of Mathematics and Natural Sciences Universitas Negeri Semarang, Indonesia

^b Faculty of Mathematics and Natural Sciences Universitas Negeri Semarang, Indonesia

^c Faculty of Mathematics and Natural Sciences Universitas Negeri Semarang, Indonesia

DOI: <https://doi.org/10.55248/gengpi.5.0224.0439>

ABSTRACT

The aim of the research is to develop a model for writing final project, thesis, and publications with MBKM-oriented at Universitas Negeri Semarang. The research subjects are the leaders of 8 faculties, including deans, vice deans for academic and heads of departments/coordinators. Data was collected using FGD (focus group discussion). Data were analyzed descriptively. The results of the research show that guidelines for writing final project, thesis, and publications with MBKM-oriented at Universitas Negeri Semarang are ready to be disseminated to vice deans for academic, heads of departments, study programs, journal chief editors, BPM (quality assurance agency), and ICT.

Keywords: final project, thesis, publications, MBKM-oriented

1. Introduction

In this pandemic era, lectures at Universitas Negeri Semarang (Semarang State University) are held in a hybrid manner for one selected course specifically for 3rd semester students, while other courses are held online. Online lectures during the pandemic have had an impact on reducing graduate productivity.

Data of Sikadu (integrated academic system) shows that there are 8,082 students from the academic year 2018/2019, 6,830 of whom have not submitted a topic. Students of the academic year 2018/2019 need to be facilitated in submitting a thesis topic oriented towards 8 (eight) MBKM (Independent Learning and Independent Campus) activities (Depdikbud, 2020a; 2020b; 2020c; 2020d). Students from the academic year 2018/2019 and previous classes need to be facilitated and accelerated in writing Final Assignments (in groups) on MBKM-oriented topics. The Final project (TA) is carried out under the umbrella of supervisory research, involving several students in the same study program, different study programs within the same faculty, and even between faculties. This is the case with writing published articles in various national journals accredited by Sinta 1 to Sinta 6, international journals, even reputable international journals. Writing published articles under the intensive guidance of the supervisor.

Based on the background above, the research problem is focused on what is the model for writing MBKM-oriented final project, thesis, and publications at Universitas Negeri Semarang.

2. Theoretical Review

Every undergraduate student writes a scientific paper as the final part of their studies, which is more often known as a thesis. According to the characteristics of the study program, thesis material can come from field research, laboratories, or literature studies. The thesis is prepared based on a theoretical framework, data is collected to test the hypothesis formulated (if any).

The Final project is more often done by diploma program students. However, in certain study programs, such as study programs at the Faculty of Engineering, students are more familiar with final project terminology than thesis. The Final project is structured based on a series of observation activities while students carry out practical field work (PKL). PKL activities often involve students in groups, so it is possible to complete the final assignment in groups, with different aspects of view.

From the thesis and final project, each student can write articles for publication in various journals, including national accredited journals Sinta 1 to Sinta 6, national non-accredited journals, international journals, even reputable international journals.

The Final project, thesis, and published articles can also be developed from various MBKM activities that students have participated in. During 2021 (even semester 2020/2021 and odd semester 2021/2022), as many as 1,661 UNNES students took part in 11 types of MBKM activities, with a minimum of 8 credits and a maximum of 20 credits.

Recognition is given to each study program, in the form of on going study program courses, KKN (Community Service Program), PPL/PLP (practical field experience/ school field practice), PKL, or thesis. MBKM activities can also be a source for final project writing and material for preparing published articles. This activity will increase 2nd IKU (key performance indicators) achievements, namely students gain experience outside campus.

3. Research Methodology

The research method chosen in this research is a qualitative descriptive method. In general, this research follows the systematic research flow suggested by Creswell (2016). The research subjects were the leaders of 8 faculties, including deans, vice deans for academic, heads of undergraduate and D3 departments/coprodu.

This research was carried out in the following stages:

1. Researchers conducted an FGD with the leaders of 8 faculties, including the dean, vice deans for academic, Heads of Undergraduate and D3 Departments/Productions. Problems focus on final project writing, thesis, and publications. After the FGD is completed, the FGD results are summarized in matrix form and then the FGD results are analyzed.
2. Researchers create a narrative from the results of FGD data analysis.
3. Researchers build good rapport.
4. Once finished, the researcher begins to analyze the research data.
5. After the data has been analyzed, the final stage is to present the research results

Data was collected using various curriculum and policy documents as well as the results of FGDs and various laws and regulations related to the implementation of final project writing, thesis, and publications. Data were analyzed descriptively-comparatively using various tables.

4. Results and Discussion

Results

The results achieved are in the form of a Final Project Guidebook and Publication. The Final Project and Publication Guidebook contains 6 chapters, namely:

Chapter 1 Introduction,

Chapter 2, General Provisions for Final Assignments and Scientific Publications

Chapter 3, Special Provisions for Final Assignment Proposals and Scientific Publications,

Chapter 4, Final Project Proposals and Reports and Scientific Publications,

Chapter 5, Procedures and Evaluation of Final Assignments and Scientific Publications,

Chapter 6, Guidelines for Grading Final Projects and Scientific Publications

In Chapter 1, the meaning of final project, limitations and forms of final projec, the meaning of scientific publications, and the function and purpose of final assignment and publication guidelines are explained. In Chapter 2, the criteria for final assignments, criteria for student scientific publications, requirements for completing final project and scientific publications, topics for final project and scientific publications, and the code of ethics for final project and scientific publications are explained.

In Chapter 3, the proposal for final project and scientific publications as well as the final project is explained. In chapter 4, proposal writing, final project report writing, and scientific publication reporting, linguistic rules, and citation and reference writing rules are explained. In Chapter 5 the requirements and procedures are outlined. In Chapter 6, final project exam guidelines and guidelines for assessing scientific article publication manuscripts are outlined.

Discussion

Implementation of UNNES Chancellor's Regulation No. 5 of 2022 concerning UNNES 202 Final Project and Publication Guidelines is carried out with the Chancellor's circular letter Number B/3444/UN37/KM/2022 concerning Implementation of Universitas Negeri Semarang Final Project and Publication Guidelines for Universitas Negeri Semarang. The Chancellor's regulations will start on April 28, 2022.

The Chancellor's regulations contain three (3) points. In the first point, it is stated that the preparation of final project and publications by diploma and undergraduate program students at UNNES must follow the UNNES Final Project and Publication Guidelines.

In the second point, it is stated that diploma and undergraduate program students can choose their final work of study through two routes, namely a final project which can be carried out individually or in groups within the same study program, between study programs within one faculty, or between faculties, or through the scientific article publication route, as Tables 1, 2, and 3.

Table 1. Examples of Topics and Structure of Proposers in the same study program

Topics	Student/ Study Program	Title	Supervisor
The role of the dark triad personality traits on career success	Student-1, psychology study program	The Role of Narcissism in Career Success Objectives	Dr. Antariksa, M.Psi.
	Student-2, psychology study program	Role Machiavellianism towards the Career Success Objective	Dr. Antariksa, M.Psi.
	Student-3, psychology study program	The Role of Psychopathy on Career Success Objectives	Dr. Antariksa, M.Psi.

Source: Sugiarto, E., dkk, 2022

Table 2. Examples of Topics and Structure of Proposers Different study programs in the same faculty

Topics	Student/ Study Program	Title	Supervisor
Utilization Spirulina Platensis Microalgae as Natural Dye for Batik	Student-1 Fashion Design Education Study Program, Faculty of Engineering	Utilization Spirulina Platensis Microalgae as a Natural Colette Colorant with the	Dr. Istiqomah
	Student-2 Chemical Engineering Study Program, Faculty of Engineering	Pre-Design of an Extractor in a Natural Dyes Factory from Spirulina Platensis Microalgae Capacity 5000 Tons/Year	Dr. Maryono
	Student-3 Chemical Engineering Study Program, Faculty of Engineering	Evaporator Pre-Design for a Natural Dyes Factory from Spirulina Platensis Microalgae Capacity 5000 Tons/Year	Maryam, S.T., M.T.

Source: Sugiarto, E., dkk, 2022

Table 3. Examples of Topics and Structure of Inter-Faculty Proposers

Topics	Student/ Study Program	Title	Supervisor
Development of Acupuncture Sandals Made from Durian Skin	Student-1, Biology Study Program, Faculty of Mathematics and Natural Sciences	Analysis of Durian Varieties that Have Potential as Basic Materials for Acupuncture Sandals Made from Durian Skin	Dr. Kaswi, M.Sc.
	Student-2, Visual Communication Design study program, language and arts faculty	Product and Packaging Design Design Acupuncture Sandals Made from Durian Leather with Creative Orientation	Dr. Asmara, M.Sn.
	Student-3, Prodi Managemen Study Program, Faculty of Economics and Business	Feasibility study Economics of Acupuncture Sandal Products Made from Durian Skin	Dra. Sri Sundari, M.M

	Student-4, sports science study program, faculty of sports science	Effectiveness of Using Acupuncture Sandals Made from Durian Skin to Improve Fitness	Dr. Mulyanti, M.Kes
--	--	---	---------------------

Source: Sugiarto, E., dkk, 2022

The final point is that undergraduate students from the 2015, 2016 and 2017 undergraduate programs as well as the 2017 and 2018 diploma program students who are currently writing their thesis/final project (on going), can replace it with published articles (if necessary) with lecturer guidance to accelerate graduation. The resulting articles can be published in accredited national journals (Sinta 1 to Sinta 6), international journals or reputable international journals with impact factors. Publications can be made in journals managed by UNNES or outside UNNES. There are 175 journals managed by UNNES, and are presented in detail in Figure 1.

UNNES Journal Infographics

175	Journal	Journal.unnes.ac.id
156	GARUDA	Garba Rujukan Digital
124	SINTA	Science and Technology Index
80	DOAJ	Directory of Open Access Journals
5	Scopus	Scopus.com (FBS, FMIPA, FIK, FH)



Figure 1. UNNES Journal Infographic

Students who publish in reputable international journals and the Sinta 1 and Sinta 2 journals are exempt from the exam and get an A grade. Publications in the Sinta 3 to Sinta 6 journals are required to take the exam. Students can take the exam if the submitted article has received a LoA (Letter of Acceptance) from the editor in chief of the intended journal.

Completion of final assignments and publications as the final work of student studies can be based on laboratory research, field research, literature study and MBKM (Free Learning Campus Teaching) activities.

Various instruments prepared by UNNES, such as UNNES Chancellor's Regulation No. 5 of 2022 concerning Guidelines for Final Project and UNNES Publications 2022, were implemented in order to support the MBKM program and accelerate student graduation.

5. Conclusion

Based on the results and discussion, a conclusion can be drawn: The model for final project writing, thesis, and publication with MBKM-oriented at Universitas Negeri Semarang is regulated in the 2022 UNNES Final Project and Publication Guide.

References

1. Creswell, JW. 2016. Research Design Pendekatan Kualitatif, Kuantitatif, dan Mixed. Yogyakarta: Pustaka Pelajar.
2. Depdikbud. 2020a. Buku Saku Panduan Merdeka Belajar Kampus Merdeka. Jakarta : Dirjen Dikti.
3. Depdikbud. 2020b. Permendikbud Nomor 3 Tahun 2020 tentang Standar Nasional Pendidikan Tinggi. Jakarta: Dirjen Dikti.
4. Depdikbud. 2020c. Permendikbud Nomor 5 Tahun 2020 tentang Akreditasi Program Studi Dan Perguruan Tinggi. Jakarta: Dirjen Dikti.
5. Depdikbud. 2020d. Permendikbud Nomor 7 Tahun 2020 tentang Pendirian, Perubahan, Pembubaran Perguruan Tinggi Negeri, Dan Pendirian, Perubahan, Pencabutan Izin Perguruan Tinggi Swasta. Jakarta: Dirjen Dikti.
6. Sugiarto, E., dkk. 2022. Panduan Tugas Akhir dan Publikasi. Semarang: Universitas Negeri Semarang.