



MINISTRY OF EDUCATION, CULTURE, RESEARCH,  
AND TECHNOLOGY

UNIVERSITAS NEGERI SURABAYA

**FACULTY OF MATHEMATICS AND NATURAL SCIENCES**  
Ketintang Campus, D-1 Building, Surabaya 60231 +6231-8296427  
Website: [www.fmipa.unesa.ac.id](http://www.fmipa.unesa.ac.id), email: [info\\_fmipa@unesa.ac.id](mailto:info_fmipa@unesa.ac.id)

Master Program of Science Education

Module Handbook

Module Name :	Tesis/ Thesis*)
Module level :	Master Program of Science Education
Course Code :	8410106182
Abbreviation, if applicable:	-
Courses included in the module, if applicable:	Not Applicable
Semester/Term	2 <sup>nd</sup> /Second Year
Module coordinator(s)	Dr. Eko Hariyono, M.Pd.
Lecturer(s):	Dr. Eko Hariyono, M.Pd.
Language:	Indonesian Language
Classification within the curriculum:	Compulsory/ <del>Elective</del>
Teaching format/class hours per week during the semester:	6 contact hours of lectures (Indonesia credit semester or CU*)
Workload :	6 x 50 minutes lectures, 6x 90 minutes structured activity, 6x 100 minutes individual activity, 14 weeks per semester, total hours per semester ~ 13.44 ECTS**
Credit Point:	6 CU (13.44 ECTS)
Requirements:	
Learning goals/competencies:	<p><b>Knowledge (KNO-1)</b>  <b>CLO-1</b>  Mastering scientific concepts, theories, and methodologies in conducting and reporting research results</p> <p><b>Skill (SKI-1)</b>  CLO-2  Have developed logic, ethics, honesty, as well as a critical and open attitude in producing a research.</p> <p><b>Skill (SKI-2)</b>  CLO-3  Producing problem solving through an inter, multi, and transdisciplinary approach.</p> <p><b>Skill (SKI-3)</b>  CLO-4  Manage and develop scientific research according to the field of science so as to produce accountable decisions</p> <p><b>Competency (COM-2)</b>  CLO-5</p>



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	<p><i>Design and develop innovative learning materials (lesson plan, teaching materials, student work sheet, media, and/or assessment instruments)</i></p> <p><b>Attitude and Social (SOC-1)</b> CLO-6 <i>Have honest, independent, caring, tough, and leadership-minded attitude/character in science education</i></p>																														
Content	<p><i>The application of various concepts, theories, and methodologies according to the chosen research focus or topic, the locus or source of research data, and the mode or scientific perspective used in an original, innovative, and transdisciplinary manner. The product of this course is in the form of a thesis including the title, introduction (background, problem/focus, objectives/benefits, definition of terms/research variables), theoretical studies, research methods, research results, discussion/discussion, conclusions, and suggestions/recommendations.</i></p>																														
Attribute Soft skill:	<p><i>Scientific report, public speaking, and team work</i></p>																														
Study/exam achievements:	<p><i>Students are considered to be competent and pass if at least get 70. Final score is calculated as follows: 20% Participation + 30% Assignment + 20% Middle Exam (UTS) + 30% Final Exam (UAS)</i></p> <p><b>Final index is defined as follow:</b></p> <table border="1"> <thead> <tr> <th>Index</th> <th>Converted Score</th> <th>Score Range</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4.00</td> <td><math>85 \leq A \leq 100</math></td> </tr> <tr> <td>A-</td> <td>3.75</td> <td><math>80 \leq A- &lt; 85</math></td> </tr> <tr> <td>B+</td> <td>3.50</td> <td><math>75 \leq B+ &lt; 80</math></td> </tr> <tr> <td>B</td> <td>3.00</td> <td><math>70 \leq B &lt; 75</math></td> </tr> <tr> <td>B-</td> <td>2.75</td> <td><math>65 \leq B- &lt; 70</math></td> </tr> <tr> <td>C+</td> <td>2.50</td> <td><math>60 \leq C+ &lt; 65</math></td> </tr> <tr> <td>C</td> <td>2.00</td> <td><math>55 \leq C &lt; 60</math></td> </tr> <tr> <td>D</td> <td>1.00</td> <td><math>40 \leq D &lt; 55</math></td> </tr> <tr> <td>E</td> <td>0.00</td> <td><math>0 \leq E &lt; 40</math></td> </tr> </tbody> </table>	Index	Converted Score	Score Range	A	4.00	$85 \leq A \leq 100$	A-	3.75	$80 \leq A- < 85$	B+	3.50	$75 \leq B+ < 80$	B	3.00	$70 \leq B < 75$	B-	2.75	$65 \leq B- < 70$	C+	2.50	$60 \leq C+ < 65$	C	2.00	$55 \leq C < 60$	D	1.00	$40 \leq D < 55$	E	0.00	$0 \leq E < 40$
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Learning Methods :	<p><i>Case Method and Seminar</i></p>																														
Form of Media:	<p><i>Power Point slides, e-book file, and multimedia.</i></p>																														
Literature (primary references):	<ol style="list-style-type: none"> <li>Creswell, J.W. (2014). Research Design. Qualitative, Quantitative and Mixed Methods Approaches. 4th Ed. New York: Sage.</li> <li>Sugiyono (2015). Metode Penelitian Pendidikan. Pendekatan Kuantitatif, Kualitatif dan R &amp;D. Cetakan ke-22. Bandung: Alfabeta.</li> <li>Team (2019). Guidelines for Writing Thesis and Dissertation. Surabaya: Postgraduate Unesa.</li> <li>Yin, R.K. (2016). Qualitative Reasearch from Strat to Finish. 2nd Ed. New York: Guilford Press.</li> </ol>																														



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<i>Notes:</i>	<i>*1 CU in learning process = three periods consist of: (a) scheduled instruction in a classroom (50 minutes); (b) structured activity (90 minutes); and (c) individual activity (100 minutes) according to according to Rector Decree of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2020</i>
	<i>**1 CU = 2.24 ECTS according to Rector Decree of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2020</i>
	<i>*Total ECTS = (total hours workload/ 60 min) / 25 hours <b>Each ECTS is equals with 25 hours</b></i>
<i>Last Amendment</i>	<i>5 January 2023</i>