



MINISTRY OF EDUCATION AND CULTURE
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS

Ketintang Campus, Jalan Ketintang, C3 Building, Surabaya 60231
 Website: <https://pendidikan-fisika.fmipa.unesa.ac.id/>, email: s1-pfis@unesa.ac.id

Undergraduate Programme of Physics Education

Module Handbook

Module Name :	<i>Metodologi Penelitian</i> Research Methodology							
Module level :	Bachelor degree/Undergraduate Programme							
Course Code :	8420304249							
Abbreviation, if applicable:	-							
Courses included in the module, if applicable:	Not Applicable							
Semester/Term	5/Third Year							
Module coordinator(s)	Prof. Dr. Budi Jatmiko, M.Pd							
Lecturer(s):	Prof. Dr. Prabowo, M.Pd. Prof. Dr. Budi Jatmiko, M.Pd. Nadi Suprpto, Ph.D. Dra. Suliyannah, M.Si.							
Language:	<i>Bahasa Indonesia</i>							
Classification within the curriculum:	Compulsory/ Elective							
Teaching format/class hours per week during the semester:	2 contact hours of lectures (Indonesia credit semester or sks*)							
Workload :	2 x 50 minutes lectures, 2 x 60 minutes structured activity, 2 x 60 minutes individual activity, 14 weeks per semester, 90 total hours per semester ~ 3.18 ECTS**							
Credit Point:	2 sks (3.18 ECTS)							
Requirements:	Statistics							
Learning goals/competencies:	<ol style="list-style-type: none"> 1. Students can master the research methods of Physics education. 2. Students are able to conduct assessments and evaluations of Physics learning with quantitative and/or qualitative approaches to solve Physics learning problems. 3. Designing research proposals for Physics education. 							
Content	The research methodology course discusses the basic concepts of research, literature review in research, research design, population and samples, data collection methods, action research, research stages, research proposals and reports.							
Attribute Soft skill:	Scientific report, public speaking, and team work							
Study/exam achievements:	Students are considered to complete the course and pass if they obtain at least 40% of maximum final grade. The final grade (NA) is calculated based on the following ratio: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Assessment Components</th> <th>Percentage of contribution</th> </tr> </thead> <tbody> <tr> <td>Participation</td> <td>20%</td> </tr> <tr> <td>Assignment</td> <td>30%</td> </tr> </tbody> </table>		Assessment Components	Percentage of contribution	Participation	20%	Assignment	30%
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	Mid-semester test	20%
	Final semester test	30%
Learning Methods :	Student-centered approach, lecture and discussion, and presentations (structured activities)	
Form of Media:	<i>Power Point</i> slides, e-book file, and multimedia.	
Literature (primary references):	<ol style="list-style-type: none"> 1. Prabowo. 2011. Metodologi Penelitian (Sains dan Pendidikan Sains), Penerbit Unesa University Press 2. Nazir, Moh. 2009. Metode Penelitian. Penerbit Ghalia Indonesia. Bogor. 3. Punaji Setyosari. 2010. Metode Penelitian Pendidikan dan Pengembangan. Penerbit Kencana. Jakarta. 4. Sugiyono. 2010. Metode Penelitian Kuantitatif, Kualitatif dan R & D. CV Penerbit Alfabeta. Bandung.. 5. Suharsimi, A. 2012. Dasar-Dasar Evaluasi Pendidikan. Jakarta: Bumi Aksara. 6. Suharsimi, A. 2015. Prosedur Penelitian. Jakarta: Rineka Cipta 	
Notes:	<p>*1 sks in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.</p> <p>**1 sks = 1,59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/Un38/Hk/Ak/2019</p>	