



UNIVERSITAS PENDIDIKAN INDONESIA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES EDUCATION
DEPARTMENT OF PHYSICS EDUCATION

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Bachelor of Physics

MODULE HANDBOOK

Module name:	Wave and Electromagnetism Experiment	
Module level, if applicable:	Undergraduate	
Code:	FI460	
Sub-heading, if applicable:	-	
Classes, if applicable:	-	
Semester:	5 th	
Module coordinator:	Andhy Setiawan	
Lecturer(s):	Andhy Setiawan, Wiendartun, Mohammad Arifin	
Language:	Bahasa Indonesia	
Classification within the curriculum:	Compulsory course	
Type of Teaching	Contact hours per week during the semester	Class Size
1. Lecture (practice and presentation) 2. Structured activities for practice preparation and making report 3. Self-study (reading literature)	150 minutes	15
Workload:	Total workload is 90 hours 40 minutes (3.2 ECTS) which consist of 40 hours of laboratory activities (1.41 ECTS) and 50 hours 40 minutes of practice preparation, making report and self-study (1.75 ECTS)	
Credit points:	3.2 ECTS	
Pre-requisites course(s):	Electricity and Magnetism (FI344), Wave (FI345).	
Course learning outcomes:	After taking this course the students have ability to: CLO1. Apply concepts of electromagnetic and waves in planning the experiment. CLO2. Conduct experiment in electromagnetic and waves. CLO3. Analyze experimental data as result of experiment in electromagnetic and waves. CLO4 Apply concepts of electromagnetic and waves in discussing the experiment result.	

