

FI598 Thesis

Module name:	Thesis		
Module-level, if applicable:	Undergraduate		
Code:	FI598		
Sub-heading, if applicable:	-		
Classes, if applicable:	-		
Semester:	8 th		
Module coordinator:	Coordinator of thesis team		
Lecturer(s):	The supervisor is proposed by the thesis team coordinator and decided through the Dean's Decree		
Language:	Bahasa Indonesia		
Classification within the curriculum:	Compulsory course		
Type of Teaching	Contact hours per week during the semester	Class Size	
100 minutes consultation and 920 minutes structured activities per week	272 hours	One student guided by two lecturers	
Workload:	Total workload is 272 hours (9.6 ECTS) per semester, which consists of 100 minutes (0.06 ECTS) consultation per week, 920 minutes (0.54 ECTS) individual study per week, in total is 16 weeks per semester		
Credit points:	9.6 ECTS		
Pre-requisites course(s):	<ol style="list-style-type: none"> 1. Have passed a minimum of 105 credits with a minimum GPA of 2.5. 2. Have passed or are taking part in field practice 3. Have passed all Concentration Competency Course 4. Currently contracting a thesis course 		
Course Learning Outcomes (CLO):	After taking this course the students have ability to: CLO1: Apply the knowledge that has been learned in previous courses, CLO2: Analyze and provide solutions from the point of view of physics. CLO3: Apply write scientific presentations. CLO4: Apply self-confidence, good ethics, and good performance in communication.		
Content:	The thesis topic can come from students or research groups		
Study/exam achievements:	The final mark will be weight as follow:		
	CLO	Assessment Object	Assessment Techniques
	CLO1-CLO4	1. Attitude and work ethic in thesis research - Independence, craft, tenacity, and perseverance	Performance assessment (rubric of thesis assessment)
			30%

		<ul style="list-style-type: none"> - Collaboration with supervisors/fellow researchers - Creativity in dealing with various problems that arise during research and thesis preparation 			
		<ul style="list-style-type: none"> 2. Scientific insight in research <ul style="list-style-type: none"> - Mastery of basic knowledge and skills related to research material - Critical ideas or ideas to solve the problem under study 3. Skills in writing and compiling thesis <ul style="list-style-type: none"> - Use of writing rules - Systematics of thesis writing - Skills in writing thesis 		40%	
				40%	
			Total	100%	
Forms of media:	White Board, paper, Laptop/Computer, Laboratory, LMS, Books or journals related to the topics.				
Literature:	<ol style="list-style-type: none"> 1. Academic Directorate. (2020). <i>Guidelines for the Implementation of Education at the Indonesian University of Education</i>. Indonesian University of Education: Bandung 2. Academic Directorate. (2019). <i>Guidelines for Writing Scientific Papers</i>. Indonesian University of Education: Bandung 3. Education and Teaching Quality Control Group. (2010). <i>Standard Operating Procedures</i>. Department of Physics Education, FPMIPA, Indonesian University of Education: Bandung 4. Books or journals related to the topics. 				

PLO and CLO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12
CLO1	√	√	√	√	√	√						
CLO2					√	√						
CLO3									√			
CLO4							√	√		√	√	√