FI563 Research Method and Scientific Publication

Module name:	Research I	Method and Scientific F	Publication			
Module level, if applicable:	Undergraduate					
Code:	FI563					
Subheading, if applicable:	-					
Classes, if applicable:	-					
Semester:	6 th					
Module coordinator:	Nanang Dv	wi Ardi				
Lecturer(s):	Nanang Dv	wi Ardi, Andhy Setiawa	n, Dadi Rusdiana, Lilik Hasanah			
Language:	Bahasa Indonesia					
Classification within the curriculum:	Compulsor	y course				
Type of Teaching		t hours per week g the semester	Class Size			
 Lecture (conceptual, contextual, discussions and presentation). Structured activities (assignments based on conceptual approaches) Self-study (reading literature) 		urs 30 minutes	35			
Workload:	Total workload is 136 hours (4.8 ECTS) per semester which consists of 150 minutes lectures and two weeks studend presentation (1.2 ECTS), 180 minutes structured activities (1.5 ECTS), and 180 minutes self-study per week for 14 weeks (1.5 ECTS), 150 minutes for each exam (0.2 ECTS), and 360 minutes for each exam preparation (0.4 ECTS).					
Credit points:	4.8 ECTS	· · · ·				
Prerequisite's course(s):	-					
Course Learning Outcomes (CLO):	After taking this course the students have ability to: CLO1. Explain lecture rules and the importance of lectures CLO2. Explain research management and scientific publication CLO3. Explain Scientific Research Characteristic CLO4. Identify various science research CLO5. Explain Research Methods CLO6. Identify Research Methods CLO7. Explain citation technic and bibliography with communication and information technology CLO9. Explain Scientific Writing Ethics CLO10. Explain type of scientific presentation CLO11. Explain type of scientific presentation CLO12. Identify a good scientific presentation CLO13. Analyse on physics and its application scientific articles CLO14. Formulate scientific problems for drafting article and					

	l	sci	ientific presentation in	physics and its an	olication			
	CLO	15. De	scientific presentation in physics and its application Determine scientific problems for drafting article and scientific presentation in physics and its application					
	CLO	16. An	Analyse title and abstract on selective physics and its application and its application articles					
	CLO	17. Ċc	Communicate title and abstract in the form of wr language in peer group discussion					
	CLO	cs and its						
	CLO	of writing						
	CLO	tive physics						
	CLO	the form of						
	CLO	n selective						
	CLO	in the form in sics and its						
	CLO							
	CLO	n selective						
	CLO	chnic with						
	CLO CLO	lline						
	CLO	29. Dis	sseminate selective so sseminate selective so	cientific oral presen				
Content:	Importance Research Management and Scientific Publication, Science Research Characteristic, Research Methods, Report and Scientific Report/Article, Writing Ethics and Scientific Publication, Scientific Presentation, Problem Analysis on Scientific Articles, Title and Abstract analysis on Scientific Articles, Introduction analysis on Scientific Articles, Methodology and Result analysis on Scientific Articles, Conclusion and References analysis on Scientific Articles, Scientific Poster Presentation analysis, Scientific Oral Presentation analysis							
The final mark will be weight as follow:								
	No	CLO	Assessment Object	Assessment Techniques	Weight			
Study/exam achievements:	1	CLO12, CLO15, CLO16, CLO18, CLO20, CLO22, CLO27,	a. Individual assignments b. Discussion participation	Written Performance	15% 10%			
		CLO28, and CLO29	c. Presentation	Performance	25%			
			d. Mid Exam e. Final Exam	Written test Written test	25% 25%			
	Tota	100%						

Forms of media:	Board, LCD Projector, Laptop/Computer, stream video conference, online journal system, Citation and bibliography management software				
Literature:	 Dresch, A, et all. (2015). Design Science Research: A Method for Science and Technology Advancement. Springer International Publishing Switzerland. Jatmiko, W., et all. (2015). Panduan Penulisan Artikel Ilmiah. Fakultas Ilmu Komputer, Universitas Indonesia. Alley, M. (2003). The Craft of Scientific Presentations. Springer. Abdullah, M. (2016). Tuntunan Praktis Menulis Makalah untuk Jurnal Ilmiah Internasional. Institut Teknologi Bandung. Lindsay, D. (2011). Scientific writing = thinking in words. CSIRO PUBLISHING Australia. Setiyo, M. (2017). Teknik Menyusun Manuskrip dan Publikasi Ilmiah Internasional. Deepublish Publisher Yogyakarta. 				

PLO and CLO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO1 0	PLO11	PLO1 2
CLO1												
CLO2												
CLO3												
CLO4												
CLO5												
CLO6												
CLO7												
CLO8												
CLO9												
CLO10												
CL011												
CLO12												
CLO13												
CLO14												
CLO15												
CLO16												
CL017												
CLO18												
CLO19												
CLO20												
CLO21												
CLO22												
CLO23												
CLO24												
CLO25												
CLO26												
CLO27												
CLO28												
CLO29												