MODULE HANDBOOK

Module Name	Statistika Terapan / Applied Statistic		
Module level, if	Undergraduate		
applicable			
Code, if applicable	02143243039		
Subtitle, if applicable	-		
Courses, if applicable	-		
Semester(s) in which	4		
the module is taught			
Person responsible for	Dwi Maryono, S.Si., M.Kom		
the module	Nurcahya Pradana Taufik Prakisya, S.Kom, M.Cs.		
Lecturer	Dwi Maryono, S.Si., M.Kom		
	Nurcahya Pradana Taufik Prakisya, S.Kom, M.Cs.		
Language	Indonesian and English		
Relation to curriculum	Undergraduate degree program, compulsory course in 4th semester		
Type of teaching,	Undergraduate degree program, < 40 students		
contact hours			
Workload	Lectures: 3 x 50 = 150 minutes (2 hours 30 minutes) per week		
	Exercise and Assignments: 3 x 60 = 180 minutes (3 hours) per week		
	Private study: 3 x 60 = 180 minutes (3 hours) per week		
Credit points	3 SKS		
Requirements	A student must have attended at least 75% of the lectures to sit in the		
according to the	exams		
examination			
regulations			
Recommended			
Prerequisites			
Module	After completing this module, a student is expected to:		
objectives/intended	No Course Learning Outcome PLO		
learning outcomes	1 Able to understand basic statistical concepts, PLO-4		
	data collection techniques, data presentation		
	techniques, frequency distribution, basic		
	statistical measures, sampling theory,		
	confidence intervals, probability concepts,		
	reliability and validity tests, assumption		
	tests, hypothesis testing, correlation and		
	regression tests in research in the field of		
	education.		
	2 Able to apply statistical knowledge to the PLO-4		
	case of research in the field of computers		
	and education.		

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	3	Able to analyze problems in the field of	PLO-4	
		computers and education that can be solved		
		using statistical tests.		
Content	This course contains the basic concepts of statistics, as well as the			
		cation of descriptive and inferential statistics. Ba	·	
		iptive statistics include tables and graphs, meas		
	symp	toms, variation, and correlation and regression;	while inferential	
		tics include probability, normal distribution, res		
		g, assumption testing and hypothesis testing. u	_	
	statis	tics, data, population, samples and measureme	nt scale	
	•	data collection and processing techniques		
	•	frequency distribution		
	•	measure of concentration and dispersion		
	•	confidence interval		
	•	simple correlation and regression test		
	•	prerequisite analysis test		
	•	test assumptions and hypotheses		
	•	use of statistical software/software		
Study and	Form	s of examination:		
examination	No	Course Learning Outcome	PLO	
requirements and	1	Able to understand basic statistical concepts,	Written Test	
forms of Examination		data collection techniques, data	(50%)	
		presentation techniques, frequency		
		distribution, basic statistical measures,		
		sampling theory, confidence intervals,		
		probability concepts, reliability and validity		
		tests, assumption tests, hypothesis testing,		
		correlation and regression tests in research		
		in the field of education.		
	2	Able to apply statistical knowledge to the	Written Test	
		case of research in the field of computers	(15%)	
		and education.		
	3	Able to analyze problems in the field of	Team Based	
		computers and education that can be solved	Project (5%)	
		using statistical tests.	Written Test	
		3	(30%)	
			,	
Media employed	LCD. \	Whiteboard, PowerPoint Slide Presentation, Pra	ctical Guidance	
, , , , , , , , , , , , , , , , , , ,		o, websites, etc.		
Reading list	+	. Dr. Rusydi Ananda, M.Pd, Muhammad Fadhli	, M.Pd.	
		Editor:Syarbaini Saleh, S.Sos, M.Si. (2013) Sta		
		Teori Dan Praktik Dalam Pendidikan. CV. WID		
	2			
		edition). Belmont: Wadsworth	3,55.55) (,	
	2	. Muhammad Ali Gunawan S.Pd., M.Pd. (2015) Statistik Penelitian	
		Bidan Pendidikan, Psikologi dan Sosial.	, Januark i Chelluali	
	1	Didait i Eliaidikali, i sikulugi dali susidi.		

4.	Shavelson, Richard J. (2011). Statistical Reasoning for the
	Behavioral Sciences (11th edition). Massachussets: Allynand
	Bacon, Inc.

5. Prof. Dr. Sugiyono. (2010). Statistika untuk Penelitian. Bandung: Penerbit Alfabeta