

UNIVERSITAS NEGERI YOGYAKARTA

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Bachelor of Science in Chemistry

MODULE HANDBOOK

Module name:	Research I	Methodology in Chemistry
Module level, if applicable:	Undergrad	uate
Code:	KMA6329	
Sub-heading, if applicable:	-	
Classes, if applicable:	-	
Semester:	6 th	
Module coordinator:	Jaslin Ikhs	an, Ph.D
Lecturer(s):	Jaslin Ikhs	an, Ph.D
Language:	Bahasa Ind	donesia
Classification within the curriculum:	Compulsor	ry Course
Teaching format / class	150 minut	tes lectures, 180 structured activities and 180
hours per week during the	individual s	study per week
semester:		
	Total work	load is 136 hours per semester which consists of
Workload:	150 minut	tes lectures, 180 structured activities and 180
	individual s	study per week for 16 weeks
Credit points:	3 SKS (5 E	ECTS)
Prerequisites course(s):		
	After taking	g this course the students have ability to:
	CO1	Memahami etika sitasi pustaka
	CO2	Memahami desain dan jenis metode penelitian
	CO3	Menganalisis permasalahan bidang kimia
Course Outcomes	CO4	design useful chemical research projects
	CO5	conduct research in accordance with the project
		work procedures and safety designed
	C06	present the results of the useful chemical
		research project and report it as thesis
	This cours	se is about designing useful chemical research
Content:	projects, co	onducting research, presenting research results and

	1. 2. 3. 4. 5. 6. 7. 8.	Definit Literat Resea Popula Data a Write Online Thesis	ion of scientific method ure and citation ethics irch design ation, sample, data mea inalysis techniques publications and preser counseling proposals	s and types of re asurement at research resul	esearch ts
Study / exam achievements:	Attitue obser assur The s if the gener of the cours good The f	de asse rvation a mption th student is ey show ral. The atinal gra se. Stude attitude. inal mark	essment is carried or and / or self-assessme nat basically every stud s given a value of very it significantly compa result of attitude assess ades, but as one of the ents will pass from this c will be weight as follow	ut at each mo ent techniques dent has a good good or not good red to other st sment is not a c requirements to course if at lea	eeting by using the d attitude. od attitude udents in omponent o pass the ist have a
	No	CO	Assessment Object	Assessment Technique	Weight
	1	CO1,	a. Presentation	Presentation	10%
		CO2,	b. Proposal writing	/ written test	20%
		CO3	c. Research		30%
			d. Research reports		40%
				Total	100%
Forms of media:	Board	d, LCD P	Projector, Laptop/Comp	uter	
References:	1. Ti SI 2. SI Al 3. Si M	m Penyu kripsi, Ul ugiyono, lfabeta, E aryono, 2 itra Ceno	usun, (2011), Panduan NY 2012, <i>Statistika utuk P</i> Bandung 2010, <i>Metodologi Penel</i> dikia, Yogyakarta	Penulisan Tuga e <i>nelitian</i> , Penel litian Kesehatan	s Akhir rbit , Penerbit

PLO and CO mapping

					PL	0				
	Attitude	Gener	al Skill		Know	ledge		Sp	pecific S	Skill
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CO1										
CO2										
CO3										
CO4										
CO5										\checkmark

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