UNIVERSITAS		Faculty of Natural Sciences and Mathematics Chemistry Department Chemistry Education Study Program			
Module name		Organic Chemistry II			
Module level, if applicable		2 <sup>nd</sup> Year			
Code, if applicable		SPK – 318			
Semester(s) in which the		3 <sup>rd</sup> semester			
module is taught					
Person responsible for the module		Dr. Tatang Shabur Julianto, M.Si.			
Lecturer		Dr. Tatang Shabur Julianto, M.Si.			
<b>T</b>		Lina Fauzi'ah, M.Sc.			
Language		Indonesia			
Relation to curriculum		Compulsory	mpulsory		
Teaching		Forms of			
methods	Class size	active	Workload 91 hours		
		participation			
Class	50-60	Discussion	Lecture: 100 (min) x 16	27 hours	
discussion			(meeting)		
			Assignment: 120 (min) x 16 (week)	32 hours	
			Independent study: 120 (min) x 16 (week)	32 hours	
ECTS credit		3.25	(11111) 11 10 (11011)		
Credit points		2 SCU			
Requirements acc	cording to the	Minimum atter	Minimum attendance at lectures is 75% (according to UII		
examination regulations		regulation)			
Recommended pr		Organic chemistry I			
Related course		Organic chemistry I, Organic chemistry lab work			
Module objectives/intended		On successful completion of the course students should be			
learning outcomes		able to:			
_		1. Explain theoretical concepts about stereochemistry			
		2. Explain theoretical concepts about organic reaction			
		mechanisms			
		3. Determine the reactants/reagents/products in an			
		organic compound reaction			
		4. Write predictions of the reaction mechanism of an organic compound reaction			
Content		<ul><li>organic compound reaction</li><li>Stereochemistry: cycloalkane conformation,</li></ul>			
Contont			stereoisomer, diastereoisomer, enantiomer, cis-trans		
		isomer, E/Z, D/L, R/S configuration.			
		15011161, L/	isomer, L. L., D. L., iv s configuration.		

Study and examination	<ul> <li>Organic reaction mechanism: nucleophile, electrophile, homolytic and heterolytic cleavage, reaction arrow, organic reaction type.</li> <li>Substitution Reaction: S<sub>N</sub>1 and S<sub>N</sub>2</li> <li>Elimination Reaction: E1 and E2</li> <li>Addition's Reaction</li> <li>Rearrangement reaction</li> <li>Final score (NA) is calculated as follows:</li> </ul>			
requirements and forms of	Intended	Weight	Technique of	
examination	learning outcomes (%) assessment		assessment	
	1	15	Written test: assignment, midterm	
	2	20	Written test: assignment, midterm	
	3	35	Written test: assignment, midterm, final examination	
	4	30	Written test: assignment, midterm, final examination	
Media employed	Power point slide presentation, video, Google classroom			
Reading list	Brown, W.H., and Poon, T., 2014, Introduction to Organic Chemistry 5th Edition, United States of America: John Wiley & Sons.			
	Hornback, J.M., 2005, Organic Chemistry second edition, Belmont: Thomson/Brooks Cole.			
	McMurry, J., 2010, Organic Chemistry with Biologica Application 2e, Belmont: Brooks Cole.			

Prepared by:	Verified by	Authorized by:
	JA	
Person responsible for the module	Student representative	Coordinator Program
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