
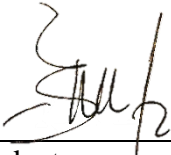





Faculty of Natural Sciences and Mathematics
Chemistry Department
Chemistry Education Study Program

Module name		Chemical Product for Entrepreneurship		
Module level, if applicable		4 th year		
Code, if applicable		SPK-774		
Semester(s) in which the module is taught		7 th semester		
Person responsible for the module		Artina Diniaty, M.Pd		
Lecturer		Artina Diniaty, M.Pd		
Language		Bahasa Indonesia		
Relation to curriculum		<i>Elective</i>		
Teaching methods	Class size	Forms of active participation	Workload: 91 hours	
Theory and Practice	50-60	Discussion	Lecture: 100 (min) x 16 (meeting)	27 hours
			Lab work (structured and or making product): 120 (min) x 16 (week) + 120 (min) x 16 (week)	64 hours
ECTS credit		3.25		
Credit points		2 SCU		
Requirements according to the examination regulations		Minimum attendance at lectures is 75% (according to UII regulation)		
Recommended prerequisites		N/A		
Related course		-		
Module objectives/intended learning outcomes		On successful completion of the course students should be able to produce: 1. Chemical-based food products for entrepreneurs a. vegetable-based food products for entrepreneurs b. fish-based food products for entrepreneurs c. fruit-based food products for entrepreneurs d. waste-based food products for entrepreneurs 2. Chemical-based non-food products for entrepreneurs a. (balsam) for entrepreneurs		

	b. (toothpaste) for entrepreneurs c. (aromatherapy candles) for entrepreneurs d. (dish soap) for entrepreneurs 3. Students can prepare business plans a. Students can identify business opportunities b. Students can calculate production costs c. Students can calculate selling costs d. Students can plan marketing strategies		
Content	• Manufacture of chemical-based food products and manufacture of chemical-based household products.		
Study and examination requirements and forms of examination	Final score (NA) is calculated as follows:		
	Intended learning outcomes	Weight (%)	Technique of assessment
	1	40	Non test: project assessment
	2	40	Non test: project assessment
	3	20	Written test (final examination)
Media employed	Power point slide presentation, video, Google classroom		
Reading list	Martini, K.S. dan Ariani, S. R. D., 1998, <i>Kimia dalam Kehidupan Sehari-hari</i> , Surakarta: UNS Press		

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