






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

Module name		Chemistry in the Quran		
Module level, if applicable		4 th Year		
Code, if applicable		SPK-754		
Semester(s) in which the module is taught		7 th semester		
Person responsible for the module		Muhaimin, M.Sc.		
Lecturer		Muhaimin, M.Sc. Krisna Merdekawati, M.Pd.		
Language		Bahasa Indonesia		
Relation to curriculum		<i>Compulsory</i>		
Teaching methods	Class size	Forms of active participation	Workload: 91 hours	
Cooperative Learning	50-60	Discussion	Lecture: 100 (min) x 16 (meeting)	27 hours
			Assignment: 120 (min) x 16 (week)	32 hours
			Independent study: 120 (min) x 16 (week)	32 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		<p>On successful completion of the course students should be able to:</p> <ol style="list-style-type: none"> 1. Students can explain the history of the development of chemistry in the Islamic era. 2. Students get Muslim figures in the field of chemistry and their discoveries. 3. Students can mention and explain verses of the Qur'an related to chemistry. 4. Students can connect and integrate theories in chemistry with the Qur'an. 		
Content		<ul style="list-style-type: none"> • Introduction to science in the Qur'an • Chemistry in the Qur'an • Iron in the Qur'an 		

	<ul style="list-style-type: none"> • Formation of fuel oil • Al-Qur'an Biochemistry 															
Study and examination requirements and forms of examination	Final score (NA) is calculated as follows:															
	<table border="1"> <thead> <tr> <th>Intended learning outcomes</th> <th>Weight (%)</th> <th>Technique of assessment</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25</td> <td>Written test (midterm)</td> </tr> <tr> <td>2</td> <td>25</td> <td>Written test (midterm)</td> </tr> <tr> <td>3</td> <td>25</td> <td>Written test (Final Examination)</td> </tr> <tr> <td>4</td> <td>25</td> <td>Written test (Final Examination)</td> </tr> </tbody> </table>	Intended learning outcomes	Weight (%)	Technique of assessment	1	25	Written test (midterm)	2	25	Written test (midterm)	3	25	Written test (Final Examination)	4	25	Written test (Final Examination)
	Intended learning outcomes	Weight (%)	Technique of assessment													
	1	25	Written test (midterm)													
	2	25	Written test (midterm)													
3	25	Written test (Final Examination)														
4	25	Written test (Final Examination)														
Media employed	Power point slide presentation, video, Google classroom															
Reading list	<p>Dahlan, Z., dkk., 2014, Al Qur'an dan Terjemahannya, UII Press, Yogyakarta.</p> <p>Al Ghozali, I., 1995, Kimia Kebahagiaan, PT Mizan Pustaka: Bandung.</p> <p>Rahman, A., 2007, Ensiklopedia Ilmu dalam Al Qur'an: Rujukan Terlengkap Isyarat-isyarat Ilmiah, PT Mizan Pustaka: Bandung.</p> <p>Julianto, T., S., 2013, Biokimia: Biomolekul dalam Perspektif Al Qur'an, Deepublish, Yogyakarta</p>															

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