

Module Handbook

Module Name	Chemical Industry				
Module Level	Higher Diploma				
Code, if applicable	VKT748				
The subtitle, if applicable	-				
Courses, if applicable	-				
Semester(s) in which the module is taught	Even semester				
A person responsible for the module	Ganjar Fadillah, M.Si.				
Lecturer	Ganjar Fadillah, M.Si. Bayu Wiyantoko, M.Sc.				
Language	Bahasa Indonesia				
Relation to curriculum	Elective				
Type of teaching, contact hours	Lecture (face to face teaching, structured activities, independent study and exam): 11.3 hours x 16 weeks per semester				
Workload	Total workload	91 hours; 2CU			
		Face to face teaching	Structured activities	Independent study	Exam
	Hours	23	28	28	11
Credit Points	2 CU/3.4 ECTS				
Requirements according to the examination regulations	75% minimum requirements of attendance				
Recommended prerequisites	-				
Module objectives/intended learning outcomes	<p>PLO 5: Able to contribute to solving problems in the scope of work.</p> <p>Subject LO:</p> <p>Students can explain sources of raw materials, production processes and can apply standard methods in product analysis from several chemical industries</p> <p>Students can examine supporting units in the industry</p> <p>Students can apply and demonstrate the basic principles of industry and environmental care so that it leads to the concept of a green industry</p>				
Content	<ol style="list-style-type: none"> 1. Source of raw materials, process and product analysis for bioethanol and biodiesel industries, oil and its derivatives, pesticides, cement, ceramics, and glass, chemicals, and heavy industries 2. Industrial utilization 3. Green industry 				
Study and examination requirements and forms of examination	Midterm (35%), presentation (10%), final exam (35%), assignment (20%)				
Media employed	Google classroom, youtube, zoom meeting, google form, google doc				
Reading list	<ol style="list-style-type: none"> 1. Austin, G.T., 1996, Industri Proses Kimia, Erlangga, Jakarta. 2. Chakabarty, B.N., 1981, Industrial Chemistry, Oxford & IBH Publishing Co, New Delhi 				

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| | <ol style="list-style-type: none">3. Hopp, Vollrath., 1984, Dasar-dasar Teknologi Kimia (untuk Pendidikan dan penerapan di pabrik industri kimia), HOECHST, Jakarta.4. Shreve, R.N., 1987, Chemical Process Industries, 5th.ed., McGraw- Hill Book Co., New York. |
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