Module Handbook

Module Name	Chromatography				
Module Level	Higher Diploma				
Code, if applicable	VKD215				
Subtitle, if applicable	-				
Courses, if applicable	-				
Semester(s) in which the module is taught	2nd semester				
Person responsible for the module	Bayu Wiyantoko, M.Sc.				
Lecturer	Puji Kurniawati, M.Sc.				
Language	Bahasa Indonesia				
Relation to curriculum	Compulsory				
Type of teaching, contact hours	Lectures: 100 min/week Structured Assignments/structured activities: 120 min/week Online Activity/individual study: 120 min/week				
Workload	Total Workload	91 hours; 2 CU			
		Face to face teaching	Structured activities	Independent study	Exam
	Hours	24	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	PLO 3: Able to express basic concepts of chemistry, chemical analysis, operation, and maintenance of chemical instruments that can be applied in their work Subject LO: Students can provide nomenclature of organic compounds based on their functional groups. Students can characteristics of an organic compound based on its chemical structure Students can analyze the reactivity of an organic compound based on its chemical structure.				
Content	1. Nomenclature of organic hydrocarbon compounds and their derivatives of alkanes 2. Characteristics (boiling point, melting point, polarity, solubility) of organic hydrocarbon compounds and alkane derivatives 3. isomer 4. The reactivity of hydrocarbon organic compounds and their derivatives of alkanes compounds				
Study and examination requirements and forms of examination	Table Value Graduation A 80 A- 77.5 A/B 75 B+ 72.5				

	B 70 B- 67.5 B/C 65 C+ 62.5 C 60 C- 55 C/D 50 D+ 45 D 40 E 0
Media employed	Google classroom, youtube, zoom meeting, google form, google doc
Reading list	1. Carey, F.A., 1987, Organic Chemistry, Mc. Graw Hill Book Co., New York 2. Fessenden, R.J., Fessenden, J.S., 1986, Kimia Organik 1, Terjemahan Aloysius HadyanaPudjaatmaka, Erlangga, Jakarta 3. Fessenden, R.J. and Fessenden, J.S., 1986,Kimia Organik 2, Terjemahan Aloysius Hadyana Pudjaatmaka, Erlangga, Jakarta 4. Hart, Harold, et. All, 2003, Kimia Organik, Terjemahan Suminar Setiati A., Ph.D., Erlangga, Jakarta 5. McMurry, John, 1988, Organic Chemistry, 2ndEd., Brooks/Cole Publishing Company, California 6. Solomon, Graham, T.W., Fryhle, G.B., 2004, Organic Chemistry, John Wiley & Sons., Singapore 7. Francis, C.A., 1987, Organic Chemistry, Mc.GrowHill Book Co., New York