

UNIVERSITAS NEGERI YOGYAKARTA FACULTY OF MATHEMATICS AND NATURAL SCIENCES DEPARTMENT OF CHEMISTRY 1 Colombo Street Yogyakarta 55281 Phone (0274) 565411, Ext. 1398, Fax (0274)548203 Website: http://kimia.fmipa.uny.ac.id, E-mail: kimia@uny.ac.id

Bachelor of Science in Chemistry

MODULE HANDBOOK

Modulo namo:	Physical Methods for Analysis of Chamical Compounds						
Module lovel, if applicable:	Indergraduate						
Codo:							
Sub booding, if applicable:							
	+						
Classes, il applicable.	- Zth						
Semester.	Prof. Dr. Endang Widgight I EV						
	Prol. Dr. Endang Widajanti LFX						
	PIOL DI. Ell KONAGATI						
Classification within the	Banasa Indonesia and English						
curriculum:							
Teaching format / class hours per week during the semester:	100 minutes lectures, 120 structured activities and 120 individual study per week						
Workload:	Total workload is 90,67 hours per semester which consists of 100 minutes lectures, 120 structured activities and 120 individual study per week for 16 weeks						
Credit points:	2 SKS (3 ECTS)						
Prerequisites course(s):	-						
Course Outcomes	After taking this course, the students are expected to be able to: CO1 Analyzing the function of various physical methods in analyzing chemical compounds CO2 Evaluating various research results related to physics methods in analyzing chemical compounds CO3 Prepare reports and present the results of the analysis of chemical compounds by applying one of the physical methods						
Content:	 Discuss the basic concepts and various physical methods for the analysis of chemical compounds, as well as the development of physical methods in the analysis of chemical compounds based on research that has been done. Development of Basic Concepts of Physical Methods for Analysis of Chemical Compound Determination of Molecular Mass Determination of Thermal Properties Determination of Particle Size Observation of Surface Morphology with SEM and TEM Analysis of Crystallinity Cluster Function Analysis Reology and Mechanical Properties Solubility and Solubility ParametersMetode Fisika untuk Analisis Organoleptis Bahan Tekstil 						

11.Rohaeti, E. Kasmudijastuti, R. S. Murti, & D. Irwanto,
(2020) Enhancement of antibacterial activity of suede
leather through coating silver nanoparticles synthesized
using piper betle Rasavan Journal of Chemistry 13(1)
bttp://dx.doi.org/10.31788/R IC 2020.1315516
12 Pohanti E Mujivana & Poohmadi (2015a) Piakamposit
dari serat rami dan sekresi kutu lak termodifikasi dengan
lateks terhidrasi dan tidak terhidrasi. Majalah Kulit, Karet,
dan Plastik. 31(1), 23-35.

PLO and CO mapping

	PLO									
	Attitude	General Skill		Knowledge			Specific Skill			
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CO1										
CO2										
CO3										