

420224704 Lipida Technology

Module Name	
Module Level, if applicable	Advance
Code if Applicable	420224704
Subtitle, if applicable	-
Courses, if applicable	420224704 Lipida Technology
Semester(s) in which the module is taught	6 th
Person responsible for the module	Dahlia Elianarni, S.TP., M.Sc
Lecturer	Desiana Nuriza Putri, S.TP., M.Sc
Language	Indonesian
Relation to curriculum	Elective Course for undergraduate program in the Food Technology Department, Faculty of Agriculture and Animal Science
Type of teaching	Lecture, Project, Lab Work
Workload	<ul style="list-style-type: none">● Lecture: 2 SKS X 50 minutes X 16 weeks● Project: 2 SKS X 60 minutes X 16 weeks● Independent learning: 2 SKS X 60 minutes X 16 week● Lab Work : 1 SKS x 170 minutes
Credit points	3 SKS X 1.5 = 4.5 ECTS
Requirements according to the examination regulations	<ol style="list-style-type: none">1. Registered in this course2. Minimum 80% attendance in this course
Recommended prerequisites	-
Module Objectives (Intended learning outcomes)	<p>On successful completion of this course, the student should be able to:</p> <ul style="list-style-type: none">● Provide an in-depth understanding of lipid technology, including its principles, applications, and advancements.● Learn about the properties of lipids, their role in food and pharmaceutical industries, and the latest developments in lipid-based formulations.● equipped with the knowledge and skills to utilize lipid technology effectively in various industrial applications.
Module Content	This course presents definition and structure of lipid, extraction techniques, mmodification, and application in industry.

Study and examination requirements and forms of examination	Cognitive: Midterm exam, Final exam, Quizzes, Assignments Psychomotor: Practice and Lab Work Affective: Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Classical teaching tools with white board and power point presentation
Recommended Literature	For Class A. Compulsory 1. Frank D. Gunstone, John L. Harwood, and Fred B. Padley. 2019. Lipid Technology. CRC Press. 2. Michael I. Gurr, John L. Harwood, and Keith N. Frayn. 2008. Lipids: Biochemistry, Biotechnology and Health. Wiley-Blackwell. 3. James A. Kent . 2012. Handbook of Industrial Chemistry and Biotechnology. Springer. B. Option 1. James G. Speight. 2011. Handbook of Industrial Hydrocarbon Processes. Gulf Professional Publishing
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