

Module Handbook: Bioconversion & Bioeconomy of Fish Industry By-products

Module designation	This course provides knowledge related to the concept of zero waste management in the fisheries industry, handling and controlling by-products with an environmental perspective, the use of biotechnology in utilizing fish by-products and processing fishery industrial by-products into high value-added products, such as gelatin, fish bone meal, chitin/chitosan and its derivatives, and bioactive peptides.
Semester(s) in which the module is taught	2
Person responsible for the module	1. Dr. Ir. Latif Sahubawa, M.Si. 2. Dr. Nurfitri Ekantari, S.Pi., M.P. 3. Dr. R.A. Siti Ari Budhiyanti, S.T.P., M.P.
Language	Indonesian
Relation to curriculum	Elective Course
Teaching methods	

Workload (incl. contact hours, self-study hours)	1. Lecture 2 SKS x 50 minutes x 16 meetings = 1,600 minutes = 26.67 hours = 26.67 hours/30 hours = 0.89 ECTS 2. Structural Assignment 2 SKS x 60 minutes x 16 meetings = 1,920 minutes = 32.00 hours = 32.00 hours/30 hours = 1.07 ECTS 3. Self Study 2 SKS x 60 minutes x 16 meetings = 1,920 minutes = 32.00 hours = 32.00 hours/30 hours = 1.07 ECTS Total Workload = 3.02 ECTS
Credit points	2 Credit points
Required and recommended prerequisites for joining the module	
Module objectives/intended learning outcomes	Program Learning Outcomes: -LO-P1 : Able to demonstrate theory and its application comprehensively in the fields of aquaculture, aquatic resource management, fish product technology. -LO-P2 : Able to examine problems and formulate appropriate solutions in the field of aquaculture/aquatic resource management/fish product technology -LO-KK2 : Able to implement management principles in fisheries and marine businesses which include planning, organizing, conducting, monitoring, and evaluating.

Content	
Examination forms	Midterm exam: Examination Final exam: Examination by Simaster, g form, and Elok
Study and examination requirements	Students can join the course by registering the study plan (KRS) to enroll the chosen subjects in each academic semester. The students must meet minimum attendance requirements 70% for joining the final examination.
Reading list	