

Module Handbook

Modul Name	Aquatic Ecology (Practical Work)
Modul Level	Bachelor
Abbreviation, if applicable:	BIL 341
Sub--heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester	Odd
Module Coordinator	Thin Soedarti
Lectures	Thin Soedarti Trisnadi Widya Leksono
Language	Bahasa Indonesia
Classification within the curriculum:	Compulsory Course / Elective Studies
Teaching format/ class hours per week during semester	300 minutes/ week
Workload per semester	100 min lecture + 100 min structural assignment + 100 min self-assignment x 13 weeks; total 3900 min = 65 hours 65/25 = 2.6 ECTS
Credit point	1
Requirements	General Ecology
Learning goals/competencies	<p>General Competence (Skill)</p> <p>Students are able to measure physic and chemical factors, water biotic, doing analysis on ecosystem in lake, sea, estuary, and explaining their opinion about analysis on water ecosystem in fresh water or sea water, correctly.</p> <p>Specific Competence</p> <ol style="list-style-type: none"> 1. Student are able to analyze the similarity of habitats 2. Student are able to analyze the similarity of community 3. Student are able to analyze the similarity of morisitha index 4. Student are able to do sampling of benthos and phytoplankton 5. Student are able to collect samples 6. Student are able to collect benthos from PPLH Trawas 7. Student are able to collect plankton from PPLH Trawas 8. Student are able to do sampling on benthos and phytoplankton in the sea 9. Student are able to do sampling of benthos and plankton in the Kenjeran sea, Surabaya
Content	Measuring aquatic physiochemistry parametric. Analyzing biotic component in aquatic ecosystem: Lakes/pond, rivers and other lotic water, estuary and sea.
Soft skill Attribute	Discipline and Team work
Study/ exam achievements	<p>Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: mid exam (40%), final exam (50%), Soft skill (10%)</p> <p>Final index is defined as follow:</p> <p>A : 75 - 100 AB : 70 - 74.99 B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99</p>

	D : 40 - 54.99 E : 0 - 39.99
Form of media	Laboratory equipment
Learning Method	Class, practical, and discussion
Literature	<ul style="list-style-type: none"> a. Romimohtarto, K & Juwana, S., 2001. <i>Biologi Laut : Ilmu Pengetahuan tentang Biota Laut</i>. Djambatan, Jakarta. b. Michael, P. 1984. <i>Ecological Methods for Field and Laboratory Investigations</i>. Tata McGraw Publ. Co. Ltd. New Delhi. c. Kail, W.M. & J.K. Frey., 1974. <i>Environments in Profile</i>. Canfield Press. San Fransisco. d. Alaerts, G. & S.S. Santika., 1987. <i>Metoda Penelitian Air</i>. Usaha Nasional. Surabaya.
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