



# THE MODULE HANDBOOK

Magister Biology Study Program

FACULTY OF BIOLOGY

## Management of Marine Biota

<b>Course code</b>	BIMB202126
<b>Course level</b>	Magister
<b>Semester/ term</b>	Odd/even
<b>Course coordinator(s)</b>	Zuliyati Rohmah, S.Si., M.Si., Ph.D.
<b>Lecture(s)</b>	<ol style="list-style-type: none"><li>1. Zuliyati Rohmah, S.Si., M.Si., Ph.D.</li><li>2. Dr. Eko Agus Suyono, M.App.Sc.</li><li>3. Dr. rer.nat. Andhika Puspito Nugroho M.Si.</li><li>4. Abdul Razaq Chasani, S.Si., M.Si., Ph.D.</li></ol>
<b>Language</b>	Indonesian/English
<b>Classification within the Curriculum</b>	Elective
<b>Teaching format/ class hours per week during the semester</b>	This course is planned to have 14 teaching weeks and 2 weeks of examination.
<b>Workload</b>	Estimated working hour: 2 credits of theory and 1 credit of laboratory work.
<b>Credits</b>	2-1 credits
<b>Requirements</b>	-
<b>Program Learning Outcome</b>	<p>AT1. contribute in improving the quality of life of society, nation, state, and the development of civilization based on Pancasila;</p> <p>GS2. make decisions in solving biological problems based on analytical or experimental studies and critical analysis of information and data;</p> <p>SK2. solve problems related to biological resources through an inter- and / or multidisciplinary approaches beneficial to society and scientific community</p>
<b>Course Learning Outcome</b>	<p>CPMK1. Student are able to define the basic of Marine Water, the marine biota, and its role in human live;</p> <p>CPMK2. Student are able to identify the development of Biotechnology, Future of Marine Aquaculture in Indonesia and all around the world;</p> <p>CPMK3. Students are able to illustrate the connection between environment, profit, and any marine culture, the basic concept of mariculture and its application.</p>
<b>Course Description</b>	This course will introduce students to marine biology management and marine biota cultivation, both for food and non-food needs. Non-food marine fisheries products,



# THE MODULE HANDBOOK

Magister Biology Study Program  
FACULTY OF BIOLOGY

	such as commercial sponges and pearl oysters, will also be included. The courses will be governed by taxonomic groupings, or phyla and relevance to the thesis research that will be carried out by students. The topic has been selected for its biological relevance to fisheries and marine aquaculture. Procedural topics such as the basis of fishery or aquaculture methods, management, and models will also be discussed in this course, however the pathological conditions of fisheries and damage to the marine environment, which are covered by other courses, will not be emphasized here.																									
<b>Assessments</b>	<table border="1"><thead><tr><th>Assessment component</th><th>Percentage</th><th>CPM K 1</th><th>CP MK 2</th><th>CP MK 3</th></tr></thead><tbody><tr><td>Practical Project</td><td>25</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>Assignment</td><td>15</td><td>✓</td><td></td><td>✓</td></tr><tr><td>Presentation</td><td>20</td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>Quiz</td><td>10</td><td></td><td>✓</td><td>✓</td></tr></tbody></table>	Assessment component	Percentage	CPM K 1	CP MK 2	CP MK 3	Practical Project	25	✓	✓	✓	Assignment	15	✓		✓	Presentation	20	✓	✓	✓	Quiz	10		✓	✓
Assessment component	Percentage	CPM K 1	CP MK 2	CP MK 3																						
Practical Project	25	✓	✓	✓																						
Assignment	15	✓		✓																						
Presentation	20	✓	✓	✓																						
Quiz	10		✓	✓																						
<b>Study Media</b>	Youtube, Power Points, website																									
<b>Literature</b>	<ol style="list-style-type: none"><li>1. MARICULTURE AS A METHOD OF USING COASTAL ZONES (KEN/77/014). <a href="https://www.fao.org/3/ac583e/ac583e00.htm">https://www.fao.org/3/ac583e/ac583e00.htm</a></li><li>2. MARICULTURE DEVELOPMENT IN INDONESIA: Prospects and Constraints. Michael A. Rimmer. 2010. <a href="http://ejournal-balitbang.kkp.go.id/index.php/iaj/article/view/717">http://ejournal-balitbang.kkp.go.id/index.php/iaj/article/view/717</a></li><li>3. Mariculture: the future of Asian Aquaculture. 2020. <a href="https://www.youtube.com/watch?v=ViNoTGVRQI0">https://www.youtube.com/watch?v=ViNoTGVRQI0</a></li><li>4. The Encyclopedia of Ocean Sciences (pp.4477-4487) Chapter: Seaweeds and their mariculture Publisher: Elsevier, Oxford Editors: J.H. Steele, S.A. Thorpe, K.K. Turekian. 2009.</li><li>5. other related journal</li></ol>																									