


## MODULE HANDBOOK

	<b>UNIVERSITAS PADJADJARAN</b> <b>FACULTY OF MATHEMATICS AND NATURAL SCIENCES</b> <b>BACHELOR OF BIOLOGY PROGRAMME</b>	<b>COURSE CODE:</b> <b>D10D-1003</b>
<b>Module designation</b>	Bioprospecting	
<b>Semester in which the module is taught</b>	1	
<b>Persons responsible for the module</b>	1. Prof Ratu Safitri 2. Drs. Tatang E. MS 3. Asri Peni Wulandari Ph.D 4. Prof. Nia Rossiana 5. Dra. Betty Mayawati MS. 6. Dra. Nining Ratningsing, M.IL.	
<b>Medium of instruction</b>	Indonesian	
<b>Relation to curriculum</b>	Compulsory course	
<b>Teaching methods</b>	Lectures and discussions	
<b>Workload</b>	Total workload : 5440 minutes = 90.67 hours  Lecture and discussion : 2 x 50 minutes x 16 weeks = 1600 minutes = 26.67 hours Exercises : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours Self-study : 2 x 60 minutes x 16 weeks = 1920 minutes = 32 hours	
<b>Credit points</b>	2.00 (3.62 ECTS)	
<b>Required and recommended prerequisites for joining the module</b>	-	
<b>Module objectives/intended learning outcomes</b>	1. Able to provide an explanation of the concept of bioprospection and biopiration problems by being able to provide an opinion on the solution of the given case. 2. Able to describe the potential of Indonesia's biodiversity and opportunities in the ecological economy. 3. Able to elaborate insights into biological prospects based on examples of bioproducts and research experience Able to distinguish microbial cells 4. Can provide innovative examples based on access to scientific information and sources about the prospects of biology in the context of bioentrepreneurship in the future.	
<b>Contents</b>	Introduction to Bioprospection is a compulsory course for Biology students in Semester 2. In this course, learning materials are provided to introduce the basic concepts of bioprospection, especially in the context of protecting natural resources and natural resources, which can be oriented towards ecological economics and bioproducts through face-to-face methods (online) with deepening based on providing examples of potentially commercial products. In the learning design, students are expected to realize the potential of the rich biodiversity in Indonesia and will bring up an attitude of ownership and responsibility for the wealth of SDH / natural resources in Indonesia; can develop creative thinking by seeing innovative opportunities from the field of biology with a biopreneurship orientation based on examples of experiences given.	
<b>Examination forms</b>	Pretest, Quiz, Midterm exam, Assignment, and Final exam	
<b>Study and examination requirements</b>	The minimum attendance in lectures is 80%. Final grades are evaluated based on the pretest (15%), quiz (15%), assignment (20%), midterm exam (25%), and final exam (25%)	
<b>Reading lists</b>	1. <a href="https://docplayer.info/214687034-Bioprospecting-di-indonesia.html">https://docplayer.info/214687034-Bioprospecting-di-indonesia.html</a> 2. <a href="https://www.researchgate.net/publication/264238213_Bioprospecting">https://www.researchgate.net/publication/264238213_Bioprospecting</a> 3. 3. and others as recommended by the lecturer	