THE MODULE HANDBOOK
DOCTOR BIOLOGICAL SCIENCES STUDY PROGRAM
FACULTY OF BIOLOGY

SELECTED TOPIC FOR DISSERTATIONS

Diversity of Fungi and Lichens

Course code	BIDB243057
Course level	Doctoral Program
Semester/ term	Odd/even
Course coordinator	Prof. Rina Sri Kasiamdari, S.Si., Ph.D.
Lecture(s)	Prof. Rina Sri Kasiamdari, S.Si., Ph.D Dr. Miftahul Ilmi, M.Si.
Language	Indonesian/English
Classification within the Curriculum	Compulsory Specialization Courses
Teaching format/ class hours per week during the semester	This course is planned to have 14 teaching weeks and 2 weeks of examination.
Workload	1,125 hours/day 5 days/week 5,625 hours/week 16 Weeks/Semester total workload : 90 hours/3,6 ECTS
Credits	3.6 ECTS
Requirements	-
Program Learning Outcome	CPL 2.1.Upon completing this program, the graduates will be able to discover or develop new scientific theories/concepts/ideas in biology. CPL 2.2. After attending this program, graduates will understand of substantial and leading theory in the field of biology/biological resources in order to support education for sustainable development CPL 3.1. After completing this program, the graduates will be able to discover or develop new scientific theories/concepts/ideas in biology
Course Learning Outcome	BIDB243057.1 By the end of this course, students will be able to understand the diversity and characteristics of fungi and lichens. BIDB243057.2 By the end of this course, students will be able to understand the taxonomy of fungi and lichens,

	including identification, classification, and nomenclature. BIDB243057.3 By the end of this course, students will be able to understand the physiology, reproduction, and ecology of fungi and lichens BIDB243057.4 By the end of this course, students will be able to demonstrate the ability to conduct research related to fungi and lichens, as well as to perform comprehensive literature reviews
Course Description	This course explores the diversity of fungi and lichens, including techniques for isolation, cultivation, and preservation. It covers key morphological characteristics essential for identification, as well as morphological and molecular identification methods for fungi and lichens. The course also discusses current classification systems and nomenclature of fungi and lichens. In addition, students will study fungal physiology, reproduction, and ecology. Research methodologies related to fungi and lichens, along with critical reviews of relevant scientific journal articles, are also integral components of this course.
Assessments	The assessment for Selected Topic for Dissertations (Diversity of Fungi and Lichens) is based on three components, with the respective criteria and weights: 1. Stuctured Assigment/Task (35%) 2. Mid-Term Exam (35%) 3. Final-Term Exam (30%)
Study Media and Literature	1. Watkinson, S. C., Boddy, L., & Money, N. P. (2016). The Fungi (Third Edition). Academic Press. 2. Foster, M. S., Bills, G. F., & Mueller, G. M. (2011). Biodiversity of Fungi: Inventory and Monitoring Methods. Burlington: Elsevier Science. 3. Deacon J.W. (1994). Modern Mycology, Edinburg, UK 4. Huneck, S., Yoshimura I. (1996). Identification of Lichen Substances. Springer. 5. Nash, T.H., (2008). Lichen Biology. Cambridge University Press 6. Any Journals related to topic