

## Module Handbook

Module Name:	Mycology
Module Level:	Bachelor
Abbreviation, if applicable:	BIB202
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	Odd
Module coordinator(s):	Prof. Dr. Ir. Tini Surtiningsih, DEA
Lecturer(s):	Prof. Dr. Ir. Tini Surtiningsih, DEA Drs. Agus Supriyanto, M.Kes
Language:	Indonesian language
Classification within the curriculum	<del>Compulsory Course</del> / Elective Studies
Teaching format / class hours per week during semester:	300 minutes/ week
Workload:	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	2
Requirements	-
Learning goals/competencies	<p><b>General competence (knowledge)</b> Students are able to compare fungi biodiversity based on morphology and cytology</p> <p><b>Specific competence</b></p> <ol style="list-style-type: none"> <li>1. Students are able to explain basic principles of mycology</li> <li>2. Students are able to explain fungi ecology</li> <li>3. Students are able to explain fungi taxonomy and classification</li> <li>4. Students are able to explain morphology, reproduction and application of fungi, yeast and mold</li> <li>5. Students are able to explain about mushroom</li> <li>6. Students are able to compare kinds of mycorhyza and mycorhyza application</li> <li>7. Students are able to explain about mycotoxin</li> <li>8. Students are able to compare morphology and reproduction of Zygomycetes, Ascomycetes and Basidiomycetes</li> </ol>
Content	General review, Fungi ecology, Fungi Taxonomy and Classification, Morphology, Cytology, Fungi, Yeadst, Mold, Reproduction of fungi, yeast and mold, Isolation and identification of fungi, yeast and mold, Applications of fungi, yeast and mold, Cytology, metabolism and reproduction of mycoryzha, Mycorhyza applications, Mycotoxin, Morphology, Reproduction, Roles
Soft skill Attribute	Diclipline and argumentation

Study/ achievements	exam	<p>Students are considered to be competent and pass if at least get 40% of maximum. Final score (NA) is calculated as follow: 20% (structural assignment + soft skill) + 40% mid exam + 40% final exam</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  D : 40 - 54.99  E : 0 - 39.99</p>
Form of media		Class, and discussion
Learning Method		LCD, demonstration
Literature		<p>a. Kreger – Van Rij. 1987. <i>The Yeast a taxonomy study</i>. Elsevier Science Publisher B.V.Amsterdam.</p> <p>b. Dermek, A. 1989. <i>The Spotters Guide to Mushrooms and Other Fungi</i>. Dorset press New York.</p> <p>c. Moore, E dan Landecker. 1996. <i>Fundamental of the Fungi</i>, 4<sup>th</sup> ed. Prentice Hall, Upper Saddle River, New Jersey.</p> <p>d. Moreau, C., dan Moss, M. 1989. <i>Mould, Toxin and Food</i>. John Willey &amp; Sonss.</p> <p>e. Smith, S. E., dan Read, D. J. 1997. <i>Micorrhizal Symbiosid</i>, 2<sup>nd</sup> ed., Academic Press, Harcourt Brace &amp; Co. Publisher.</p>
Notes		-