



THE MODULE HANDBOOK
FACULTY OF BIOLOGY
MASTER PROGRAMME

METHODS FOR PLANT TAXONOMY RESEARCH

Module code	BIO-61009
Module level	1 st year of Master Program in Biology
Abbreviation, if applicable	-
Courses related	-
Semester	Even
Course coordinator(s)	Dr. Ratna Susandarini, M.Sc.
Lecture(s)	1. Dr. Ratna Susandarini, M.Sc. 2. Dr. Purnomo, M.S. 3. Rina Sri Kasiamdari, S.Si., Ph.D.
Language	Bahasa Indonesia and English
Classification within the Curriculum	Compulsory Courses Specific for Field of Interest
Teaching format/class hours per week during the semester	This course is organized into one class and planned to have 14 teaching weeks and 2 weeks of examination. This course also has laboratory works credits.
Workload	Estimated working hour: 10.5 hours/week.
Credit	2-1 credits
Requirements	-
Course Learning Outcome	1. Able to design researches in the field of Plant Taxonomy using the right method to solve the proposed problems. 2. Able to conduct researches in the field of Plant Taxonomy using various resources and information sources.



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	<ol style="list-style-type: none">3. Able to present the results of research in the field of Plant Taxonomy in the appropriate publication format.
Syllabus	Methods for Plant Taxonomy Research is a compulsory subject of botany interest learning about concepts and characteristics of plant taxonomy research. Development of conceptual and factual data, Using data from GenBank, Herbarium specimens, Virtual herbarium, Publication of research results in the form of checklists, revisions, flora, and monographs, Study of scientific journals at and under the level of species (specific and infraspecific)
Study/exam achievements	<ol style="list-style-type: none">a. Midterm: 30%b. Final examination: 30%c. Personal Assignments: 15%d. Quizzes: 10%e. Group assignments : 15%
Forms of media	White board, notebook, LCD
Reference	<ol style="list-style-type: none">1. de Bor, R.J. 2014. Theoretical Biology. Utrech University. 142 pp.2. Edwards, D. (Ed.). 2007. Plant Bioinformatics: Methods and Protocols. Methods in Molecular Biology 406. Humana Press, New Jersey. 551 pp.3. Eymann, J., Degref, J., Hauer, Ch., Monje, J.C., Sanuy, Y. and Vanden Spinger, D. 2010. Manual on Feild Recording Techniques and Protocols for All Taxa Biodiversity Invention and Monitoring. ABC Taxa Series Volume 8.4. Quinn, G.P. and Keough, M. 2002. Experimental Design and Data Analysis for Biologist. Cambridge University Press, UK. 557 pp.5. Incioy, R.A. (Ed.). 2011. Training Manual on Plant Taxonomy (Dicot) in Southeast Asia. ASEAN Centre for Biodiversity.6. Simpson, M.G. 2013. Plant Systematics Laboratory Manual. San Diego State University. 194 pp.