



THE MODULE HANDBOOK
FACULTY OF BIOLOGY
MASTER PROGRAMME

PRINCIPLES OF PLANT TAXONOMY

Module code	BIO-61003
Module level	1 st year of Master Program in Biology
Abbreviation, if applicable	-
Courses related	-
Semester	Odd
Course coordinator(s)	Rina Sri Kasiamdari, S.Si., Ph.D.
Lecture(s)	1. Rina Sri Kasiamdari, S.Si., Ph.D. 2. Dr. Purnomo, M.S. 3. Dr. Ratna Susandarini, M.Sc.
Language	Bahasa Indonesia and English
Classification within the Curriculum	Compulsory Courses for Specific 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.
Workload	Estimated working hour: 10.5 hours/week.
Credit	3-0 credits
Requirements	-
Course Learning Outcome	1. Able to master basic concepts of plant taxonomy, principles of classification, identification, and taxonomical evidence as well to identify results of taxonomical researches both qualitative and quantitative.



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	<ol style="list-style-type: none">2. Able to analyze, evaluate, and plan taxonomical researches using interdisciplinary approaches3. Able to access and manage information from various media (text books, scientific journals, seminars, and internet).
Syllabus	Principles of Plant Taxonomy is a compulsory subject of botany interest learning about principles used in plant taxonomy. General principles of taxonomy, Concepts of categories and taxa, classification principles, and basic units of plant classification systems, Principles of nomenclature, Principles of characterization and description (concepts, weighting characteristics, and character types as taxonomic evidence), and Sources of taxonomic evidence.
Study/exam achievements	<ol style="list-style-type: none">a. Midterm: 30%b. Final examination: 50%c. Personal Assignments: 10%d. Group assignments : 10%
Forms of media	White board, notebook, LCD
Reference	<ol style="list-style-type: none">1. Benson, L. 1979. Plant Classification. 2nd ed. D.C. Heath, Lexington, M.A.2. Claridge, M.F., H.A. Dawah., and M.R. Wilson. 1997. Species: The Units of Biodiversity. Chapman & Hall. London, UK.3. Hewitt, G.M. 1991. Molecular Techniques in Taxonomy, Springer-Verlag, Berlin.4. Heywood, V.H. & D.M. Moore. 1984. Current Concepts in Plant Taxonomy. Academic Press. London.5. Jones, S.B. and Luchsinger, A.E. 1986. Plant Systematics. McGraw-Hill Book Co. Ltd., New York.6. Judd, W.S., Campbell, C.S., Kellog, E.A., and Stevens, P.F. 1999. Plant systematics: A Phylogenetic Approach. Sinauer Association, Inc. Sunderland, Massachusetts.7. Radford, A.E. 1986. Fundamentals of Plant Systematics. Harper & Row Publishers, Inc. New York.8. Soltis, P.S. 1992. Molecular Systematics of Plants. Chapman & Hall. New York.9. Stace, C.A. 1989. Plant Taxonomy and Biosystematics. 2nd ed. Edward Arnold. London.10. Stuessy, T.D. 1990. Plant Taxonomy, Columbia University Press, New York.11. Stuessy, T.F. 1994. Case Studies in Plant Taxonomy. Exercises in Applied Pattern Recognition. Columbia University Press, New York.



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12. Scientific Journals (as materials for case studies):
Annals of Botany, Systematic Botany, Plant Systematics and Evolution, American Journal of Botany, Theoretical and Applied Genetics, Botanical Journal of the Linnaean Society, Taxon, Euphytica, Canadian Journal of Botany, Biological Journal of the Linnaean Society, Australian Journal of Botany, Heredity, Genome.
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