


## 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-3010</b>
<b>Module designation</b>	Plant Taxonomy Practicum	
<b>Semester in which the module is taught</b>	3	
<b>Persons responsible for the module</b>	1. Dr. Budi Irawan, M.Si 2. Joko Kusmoro, MP 3. Dr. Suryana, MP	
<b>Medium of instruction</b>	Indonesian	
<b>Relation to curriculum</b>	Compulsory Course	
<b>Teaching methods</b>	Practice	
<b>Workload</b>	Total workload : 2720 minute = 45.33 hour Practice : 1 x 170 minute x 16 week = 2720 minute = 45.33 hour Exercises : - Self-study : -	
<b>Credit points</b>	1.00 (1.81 ECTS)	
<b>Required and recommended prerequisites for joining the module</b>	Basic biology	
<b>Module objectives/intended learning outcomes</b>	1. Students are able to identify, describe and classify at least to tribal level plants and fungi 2. Students are able to recognize plants and fungi based on their use	
<b>Contents</b>	The Plant Taxonomy Practicum course practices how plant description, plant planting, plant character spots, algae identification, fungus and lichen identification, moss and fern identification, morphology as taxonomic evidence, identification key, anatomy and palynology as taxonomic evidence, herbarium techniques, and numerical taxonomy.	
<b>Examination forms</b>	Quiz, Midterm exam, Activities, Worksheet Reports, and Final exam	
<b>Study and examination requirements</b>	The minimum attendance in lectures is 100%. Final grades are evaluated based on quiz (5%), midterm exam (30%), activities (10%), worksheet reports (25%), and final exam (30%)	
<b>Reading lists</b>	<ol style="list-style-type: none"> <li>1. Rideng IM. 1989. Taksonomi Tumbuhan Biji. Jakarta: Dirjen DIKTI Proyek Pengembangan LPTK</li> <li>2. Jones, S.B. and Luchsinger, A.E. 1987. Plant Systematic, Second Edition. McGraw-Hill. Singapore.</li> <li>3. Simpson MG. 2006. Plants Systematics. Elsevier, Canada.</li> <li>4. Tjitrosoepomo, G.1993. Taksonomi Umum, Dasar-dasar Taksonomi Tumbuhan. Yogyakarta: UGM Press.Lieske, E. dan R. Myers. 2001. Reef Fishes of The World. Revised Edition. Periplus. Singapore.</li> <li>5. Rohlf, F.J. 1998. NTSYSpc Version 2.0. Exeter Software. Setauket, New York.</li> <li>6. Rugayah, Retnowati, A., Windardi, F.I., dan Hidayat, A. 2004. Pengumpulan Data Taksonomi dalam Rugayah (ed.). Pedoman Pengumpulan Data Keanekaragaman Flora. LIPI. Bogor. P : 5-42.</li> <li>7. Stace, C.A. 1980. Plant Taxonomy and Biosystematics. Edward Arnold. London.</li> <li>8. Steenis, van C.G.G.J. 2001. Flora : untuk sekolah di Indonesia. Noordhoff - Kolff.N.V - Batavi.</li> <li>9. Vogel, E.F.D. 1987. Manual of Herbarium Taxonomy Theory and Practice. Rijksherbarium Leiden. Netherlands.</li> <li>10. Backer CA and RC Bakhuizen v/d. B. 1968. Flora of Java vol. I,II, III. (Spermatophytes Only). Wolter-Noordhoff, Groningen. The Netherlands.</li> <li>11. Harris, J.G. dan Harris, M.W. 1994. Plant Identification Terminology : An Illustrated Glossary. Spring Lake Publishing. United State of America.</li> <li>12. Singh G. 1999. Plant Systematic. USA: Science Publisher Inc.</li> <li>13. Bridson D and Forman L. 1999. The Handbook of Herbarium. Royal Botanic Garden, Kew, United Kingdom.</li> <li>14. Djarwaningsih T, Sunarti S dan Kramadibrata K. 2002. Panduan Pengolahan dan Pengelolaan Herbarium</li> </ol>	

	<p>serta Pengendalian Hama terpadu di herbarium Bogoriense. Herbarium Bogoriense –LIPI, Bogor.</p> <ol style="list-style-type: none"><li>15. Stearn WT. 1998. Botanical Latin. Timber Press, Inc. Portland Oregon</li><li>16. Baumgardt JP. 1994. How to Identify Flowering Plant Family. Timber Press, Inc. Portland Oregon</li><li>17. Clarke I and Lee H. 1994. Name That Flower. Meulbourne University Press.</li><li>18. Balgooy MMJ. 1998. Malaysian Seed Plants. Rijkskherbarium, Leiden, Netherland</li></ol>
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