

Module Handbook

Module Name:	General Biology II (Practical)
Module Level:	Bachelor
Abbreviation, if applicable:	BID 106
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	2 nd / First Year
Module coordinator(s):	Tri Nurhariyati, S.Si, M.Kes.
Lecturer(s):	Tri Nurhariyati, S.Si, M.Kes. Dr. Alfiah Hayati, M.Kes.
Language:	Bahasa Indonesia
Classification within the curriculum	Compulsory Course / Elective Studies
Teaching format / class hours per week during semester:	2 hours laboratory work (50 min / hours)
Workload:	2 hours doing worksheet and pretest preparation, 2 hours laboratory work, 2 hours group discussion, searching literature and writing report, 13 week per semester, and total 78 hours per semester ~ 2.6 ECTS *
Credit Points:	1
Requirements:	Practical Work of General Biology I (BID 104)
Learning goals/competencies:	<p>General competence (skill) Students are able to understand basic biology II and explain application of biology principles in organisms</p> <p>Specific competence</p> <ol style="list-style-type: none"> 1. Students are able to do lab work well 2. Students are able to demonstrate animal respiration activity 3. Students are able to demonstrate plant respiration activity 4. Students are able to compare plant morphology biodiversity 5. Students are able to compare animal morphology biodiversity 6. Students are able to demonstrate conventional biotechnology applications 7. Students are able to make slide culture and identify saliva gland 8. Students are able to demonstrate plant transportation physiology 9. Students are able to demonstrate animal physiology and anatomy 10. Students are able to demonstrate effects of environmental factors on organisms.
orContent:	Lab work contract and give material about universality and diversity, Respiration, Photosynthesis, Plant morphology biodiversity, Plant morphology biodiversity, Biotechnology, Genetic material, Plant transportation physiology, Animal physiology and anatomy, Osmoregulation
Soft skill	Discipline and team work
Study/exam achievements:	Students are considered to be competent and pass if at least get 55

	<p>The final value is calculatedas follows: 35%Final practical work examination; 10% SoftSkill; 30% Reports; 25%Pre-test</p> <p>Final index is defined as follows</p> <p>A : 100>NA≥75 AB: 74,9>NA≥70 B : 69,9>NA≥65 BC : 64,9>NA≥60 C : 59,9>NA≥55 D : 54,9>NA≥40 E : 39,9≥NA</p>
Learning Methods	<ul style="list-style-type: none"> - Practicum in Laboratory - Discussion - Structured role models
Forms of Media:	Laboratory's equipments, White board, Structured models
Literature:	<ol style="list-style-type: none"> 1. Campbell, N.A, Reece,J.B . 2000. Biologi. Erlangga. 2. Mader, Silvia S. 1985 . Biology : Evolution, Diversity, and invirontment. Brown Publishers. USA
Notes:	<p>*Total ECTS = {(total hours workload x 50 min) / 60 min } / 25 hours</p> <p>Each ECTS is equals with 25 hours</p>