

Module designation	Laboratory Work in Plant Physiology
Semester(s) in which the module is taught	Even/2nd
Person responsible for the module	Dr. Suyitno Aloysius, M.S., Lili Sugiyarto, M.Si.
Language	Indonesia Language
Relation to curriculum	Compulsory
Teaching methods	Lecture, lesson, project, seminar.
Workload (incl. contact hours, self-study hours)	Total workload is 46 hours per semester which consists of 170 minutes lab work per week for 16 weeks.
Credit points	1 SKS (1.6 ECTS)
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	PLO-2 PLO-6 PLO-8 PLO-9
Content	This course is to demonstrate and do experiment about water absorption and loss of water in plants; nutritional needs and deficiency in plants; the principles of photosynthesis and respiration; the factors that play a role in seed germination and seed dormancy; and Design an experiment and implement it based on given understanding,
Examination forms	Presence, task, quiz, mid-semester exam, final semester exam, case study, team based project.

Study and examination requirements	The final mark will be weight as follow:			
	NO	Assessment Techniques	Percentage Weight Assessment (%)	Information
	1	Cognitive	50	Maximum assessment weight accumulation 50%
		Presence	5	
		Task	10	
		Quiz	5	
		Mid-semester exams	15	
		Final Semester Exam	15	
	2	Participatory	50	Maximum assessment weight accumulation 50%
		Case study	25	
		Team Based Project	25	
		<b>Total</b>	<b>100</b>	
	Reading list	A. Urry, Cain, Wasserman, Minorsky, Jackson & Reece. 2014. Campbell Biology in Focus. International Edition. Pearson Education, Inc.		
B. Hopskin, W.G & Huner,N.P.A. 2008. Introduction to Plant Physiology 4th Edition.				
C. Taiz, L., Moller, I.M., Murphy, A., Zeiger, E. 2022. Plant Physiology and Development 7th Ed. Sinauer Associates.				