

Module designation	<i>Research Methodology</i>
Semester(s) in which the module is taught	<i>4th</i>
Person responsible for the module	<i>Prof. Dr. Ir. Abdul Kadir Salam, M.Sc</i>
Language	<i>Indonesian language</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lectures (100 minutes) Practicum sessions (170 minutes)</i>
Workload (incl. contact hours, self-study hours)	<i>Contact hours : 14 weeks x 100 minutes Structured learning: 14 weeks x 120 minutes Independent study: 14 weeks x 120 minutes Practicum sessions: 14 weeks x 170 minutes</i>
Credit points	<i>3 (2-1) CP or 4.76 (ECTS) ((14 weeks x 100 minutes) + (14 weeks x 120 minutes) + (14 weeks x 120 minutes) + (14 weeks x 170 minutes)) : 60 minutes/hour = 119 hours : 25 study hours/ECTS = 4.76 (ECTS)</i>
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> - <i>Students are able to have devotion to Almighty God, demonstrate a religious attitude, and uphold human values in carrying out their duties based on religion, morals, and ethics</i> - <i>Students are able to analyze and interpret data and apply logical, critical, and systematic thinking by avoiding plagiarism</i> - <i>Students are able to identify, formulate, solve problems, and apply plant science, plant protection, soil science, socio-economic agriculture, and plant production engineering principles that are oriented towards good agricultural practices (GAP)</i> - <i>Students are able to plan, design, implement and develop plant production with the latest and environmentally friendly technology creatively and innovatively</i>
Content	<i>Research Methodology course is a 3 (2-1) credit course. This course contains studies on: introduction to the philosophy of science; the structure of science; means of scientific thinking; how to prepare research proposals and reports; and scientific presentations.</i>
Examination forms	<i>oral presentation, essay</i>

Study and examination requirements	<p><i>Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).</i></p> <p><i>Performance in theory (100%):</i> <i>Mid Exam (20%)</i> <i>Final Exam (20%)</i> <i>Assignments (40%)</i> <i>Class participation (10%)</i> <i>Individual quiz (10%)</i></p> <p><i>Performance in practicum (100%):</i> <i>Practicum exam (30%)</i> <i>Pre-test or post-test (10%)</i> <i>Experiment reports (60%)</i></p>
Reading list	<ol style="list-style-type: none"> <i>1. Salam, A K. 2014. Melatih Guru Muda MENYUSUN KARYA TULIS' Ed. Global Madani Press</i> <i>2. Universitas Lampung. 2020. Panduan Penulisan Karya Ilmiah Unila Tahun 2020. Universitas Lampung Press</i> <i>3. Sunandar, D. 2016. Pedoman Umum Ejaan Bahasa Indonesia. Pengembang Pedoman Bahasa Indonesia Badan Pengembangan dan Pembinaan Bahasa Kementerian Pendidikan dan Kebudayaan Indonesia</i> <i>4. Jarrard, R. D. 2001. Scientific methods. An online book. University of Utah, Salt Lake City.</i> <i>5. Abbott, M. L., & McKinney, J. 2013. Understanding and applying research design. John Wiley & Sons.</i>