

RESEARCH METHODOLOGY

Module designation	Research Methodology
Semester(s) in which the module is taught	1
Person responsible for the module	<ol style="list-style-type: none"> 1. Prof. Dr. Djoko Agus Purwanto, M.Si., Apt. (Course Coordinator) 2. Prof. Dr. rer. nat. M. Yuwono, MS., Apt. 3. Prof. Dr. Muhammad Zainudin, Apt. 4. Prof. Dr. Umi Athiyah, MS., Apt.
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory / elective / specialisation</i>
Teaching methods	<i>lecture, discussion, assignment</i>
Workload (incl. contact hours, self-study hours)	<i>(Estimated) Total workload:</i> <i>Contact hours (structured activities.): 90,67 hours</i> <i>Private study including independent learning activities: 90,67 hours</i>
Credit points	<i>2 SCU / 6 ECTS</i>
Required and recommended prerequisites for joining the module	NA
Module objectives/intended learning outcomes	<p>Students are:</p> <p>LO1: Able to realize excellence based on religious morals (excellence with morality), able to work together, and show a responsible attitude to work in their field of expertise independently</p> <p>LO2: Able to internalize the spirit of independence, struggle, and entrepreneurship</p> <p>LO3: Able to develop and build logical-critical-systematic-creative thinking and scientific conceptions through scientific research, design creation, or artworks of science and technology that pays attention to and applies humanities values through an interdisciplinary or multidisciplinary approach in the form of a thesis or other equivalent forms.</p> <p>LO5: Able to access and review information through an Information and Communication Technology (ICT) system, decide on a specific subject of study, maintain the feasibility of implementing research designs, conduct research, analyze data, conclude research results comprehensively, and create strategic issues based on the study that reflect the latest updates in the field of pharmaceutical sciences, and communicate them in the media and scientific forums at the national and international level through an interdisciplinary or multidisciplinary approach in the form of a thesis or other equivalent forms.</p>
Content	The course provides topics about understanding, conceptual framework, systematics, types of research; experimental research design; observational research design; sampling method and determining sample size, survey research design, and statistical application for research analysis
Exams and assessment formats	<i>Final exam (100 minutes), presentation (100 minutes), take-home written assignments</i>

Study and examination requirements	<i>the final grade in the module is composed of 40% performance on final exams, 25% quizzes, 25% take-home assignments, 10% in-class participation and soft-skills assessment. Students must have a final grade of 70% or higher to pass</i>
Reading list	<ol style="list-style-type: none"> 1. Anonim, 2011, Panduan Penulisan Tesis Magister Ilmu Farmasi UNAIR 2. Zainuddin, M, 201, Metodologi Penelitian Kefarmasian dan Kesehatan, Airlangga University Press, Surabaya, Indonesia 3. Mishra, S.B., and Alok, S, 2011, Handbook of Research Methodology, New Delhi: New Delhi: Educreation Publishing 4. Suyitno, 2018, Metode Penelitian Kuantitatif, Akademia Pustaka, Tulungagung, Indonesia 5. I Made Indra P. & Ika Cahyaningrum, 2019, Cara Mudah Memahami Metodologi Penelitian, Penerbit Buku Pendidikan Deepublish, Yogyakarta, Indonesia 6. Fathnur Sani, 2018, Metodologi Penelitian Farmasi Komunitas dan Eksperimental, Penerbit Buku Pendidikan Deepublish, Yogyakarta, Indonesia