

MODULE HANDBOOK

Module Name	Research Methodology
Module level	Bachelor
Abbreviation, if applicable	8420403192
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	5 th /Third Year
Module coordinator(s)	Dr. Achmad Lutfi, M.Pd.
Lecturer(s)	Dr. Ismono, M.S.
Language	Indonesian
Classification within the curriculum	Compulsory Course
Teaching format/class hours per week during the semester:	3 hours lecturers (50 min per hours)
Workload:	1 CU for bachelor degree equals to 3 workhours per week or 170 minutes (50' face to face learning, 60' structured learning, and 60' independent learning). In one semester, courses are conducted in 14 weeks (excluding mid and end-term exam). Thus, 1 CU equals to 39.67 workhours per semester. One CU equals to 1.59 ECTS.
Credit points:	3 CU = 3 x 1.59 = 4.77 ECTS
Prerequisite course(s):	-
Targeted learning outcomes:	<p>CLO 1. Able to design, carry out research, and publish the results so that they can be used as an alternative to solving problems in the field of chemistry education</p> <p>CLO 2. Able to have the ability to utilize learning resources and ICT-based learning media in understanding the concept of research methodology</p> <p>CLO 3. Able to make decisions about the basic concepts of research methodology and apply them based on the research paradigm, thinking frameworks, hypotheses, and variables, population and samples, research instruments, research designs, data collection techniques, and data analysis packaged in the form of a draft educational research proposal. MIPA as a course output.</p> <p>CLO 4. Able to show an attitude of responsibility for work in their field of expertise independently.</p>
Content:	<ol style="list-style-type: none"> 1. Source of Knowledge and kinds of truth 2. The nature of science and the nature of research 3. Research Methodology in Education 4. Paradigm and type of research 5. The essence and source of the research problem 6. Identify the design of a study and its variables. 7. Formulation of research problems 8. Experimental research (quantitative)

	<p>9. Qualitative research 10. Classroom action research 11. Research development 12. Data analysis 13. Formulation of research proposals</p>
Study / exam achievements:	<p>Students are considered to be competent and pass if at least get 55 Final score is calculated as follows: 20% participation + 30% assignment + 20% middle exam (UTS) & 30% final exam (UAS) Table index of graduation A = 4 (85 ≤ - >= 100) A- = 3,75 (80 ≤ - < 85) B+ = 3,5 (75 ≤ - < 80) B = 3 (70 ≤ - < 75) B- = 2,75 (65 ≤ - < 75) C+ = 2,5 (60 ≤ - < 65) C = 2 (55 ≤ - < 60) D = 1 (40 ≤ - < 55) E = 0 (0 ≤ - < 40)</p>
Media:	Computer, LCD, White board
Learning Methods	Individuals assignment, group assignment, discussion, dan presentation.
	<ol style="list-style-type: none"> 1. Ary, Donald, et. Al. 1982. Pengantar Penelitian Pendidikan (terjemahan oleh Arief Furchan). Surabaya: Usaha Nasional 2 2. Faisal, Sanapiah. 1982. Metodologi Penelitian Pendidikan. Surabaya: Penerbit Usaha Nasional 3. Ferguson, George A. 1981. Statistical Analysis in Psychology and Education. London: McGraw-Hill International Book Company. 4. Fraenke, J. R. and Wallen, N. E. 2003. <i>How to Design and Evaluate Research in Education – Fifth Edition</i>. Boston: McGraw Hill 5. Shumway, Richard J (Ed.). 1980. Research in Mathematics education. Reston, Virginia: The National Council of Teachers of Mathematics, Inc 6. Merriam, Sharan B, 1998. Qualitatif Research and Case Study Application in Education. San Fransisco: Jossey Bass Publisher 7. Moleong, Lexy J. 2004. Metodologi Penelitian Kualitatif. Bandung: Remaja Rosdakarya 8. Muhadjir, Noeng. 2000. Metodologi Penelitian Kualitatif. Edisi IV 8. Brannen, Julia. 1996. Memadu Metode Penelitian Kualitatif & Kualitatif (Terjemahan oleh Kurde, N. A, dkk) Yogyakarta: Pustaka Pelajar 9. Suharsini Arikunto. 1990. Manajemen Penelitian. Jakarta: Penerbit: PT Rineka Cipta 10. Tim Pelatih Proyek PGSM. 1999. Penelitian Tindakan Kelas. Jakarta: Proyek PGSM

	<p>11. Tim Unesa. 2000. Buku Penulisan Skripsi. Surabaya: Universitas Negeri Surabaya.</p> <p>12. Vockell, E. L and Asher J. W. 2002. <i>Educational Research</i> –Second Edition. New Jersey. Pentice Hall.</p> <p>13. Sumber lain yang relevan</p>
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