

Module Descriptions “Compulsory BAS”

Module designation	<i>PTK60135 Social Research Methodology</i>
Semester(s) in which the module is taught	5
Person responsible for the module	1. <i>Prof.Dr.Ir.Asdi Agustar M.Sc</i> 2. <i>Dr.Ir.Arief MS</i> 3. <i>Ida Indrayani S.Pt.M.Si</i>
Language	<i>Indonesia and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Lesson, field observations, and practice in preparing research proposal</i>
Workload (incl. contact hours, self-study hours)	<i>(Estimated) Total workload: 136.01 hours</i> <i>Contact hours: 39.97 hours (lecture)</i> <i>Private study including examination preparation, specified in hours: 96.04 hours</i>
Credit points	<i>4.53 ECTS</i>

Required and recommended prerequisites for joining the module	-
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Module objectives/intended learning outcomes	<i>ILO-1: Internalize the fundamental values of the university, the code of ethics, and scientific ethics based on the values of Pancasila.</i> <i>PI-2: Able to apply discipline in attendance and in completing assigned tasks.</i> <i>ILO-3 : Able to apply animal husbandry science in accordance with the development of the livestock industry and innovative and up-to-date scientific activities.</i> <i>PI-4: Master technical and management skills in the field of livestock development and agribusiness.</i> <i>ILO-4: Able to identify, formulate, provide solutions, and evaluate the solutions given to problems in the field of animal husbandry.</i> <i>PI-1: Able to identify problems in the field of animal husbandry.</i> <i>PI-2: Able to formulate and elaborate problems in the field of animal husbandry.</i> <i>PI-3: Able to apply solutions to problems in the field of animal husbandry.</i> <i>PI-4: Able to evaluate the results of the solutions applied in the field of animal husbandry.</i> <i>ILO-6 : Able to communicate orally and in writing using up-to-date information media in the field of animal husbandry and integrate it with other fields of knowledge.</i> <i>PI-1: Able to present ideas in front of an audience and provide feedback.</i> <i>ILO-7: Possess the attitude of a lifelong learner and pursue further study in developing a professional career.</i> <i>PI-2: Demonstrate the attitude of a lifelong learner.</i>
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	<i>Course Learning Outcomes:</i> <i>1. Able to apply logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology while considering and applying humanistic values in accordance with their field of expertise.</i> <i>2. Able to demonstrate independent, high-quality, and measurable performance.</i> <i>3. Able to examine the implications of the development or implementation of science and technology while considering and applying humanistic values in accordance with their expertise based on scientific principles, procedures, and ethics in order to produce solutions, ideas, designs, or artistic critiques.</i> <i>4. Able to make appropriate decisions in the context of solving problems in their field of expertise based on the results of information and data analysis.</i>
Content	<i>The Research Methodology course aims to equip students with knowledge, understanding, and the application of various research methods in order to prepare their final assignments. The course discusses various types of research and the steps involved in conducting research, starting from exploring ideas/topics, identifying problems, literature review, determining the focus of the problem, identifying variables, research design, methods and techniques of data collection, analysis, and drawing conclusions. Furthermore, the course also discusses how to prepare research reports and publish research results. Learning activities include lectures using various approaches and methods that actively involve students, such as discussions, field observation activities to learn how to identify problems, and practice in preparing research proposals.</i>

Examination forms	<i>Quiz, mid test semester, and final test semester..</i>
Study and examination requirements	1. <i>Quiz: 30%</i> 2. <i>Mid test semester: 30%</i> 3. <i>Final test semester: 40%</i>
Reading list	1. <i>Basten, G. 2010. Introduction to Scientific Research Project. Ventus Pub. Co.</i> 2. <i>Kothari, C. R., "Research Methodology", 3rd ed, New Age International (P) Ltd., New Delhi.</i> 3. <i>McLelland, C.V. 2008. The nature of Science and Scientific Method. The Geological Society of America.</i> 4. <i>Sudjana , 2009. Metoda Statitika, Tarsito Bandung</i> 5. <i>Creswell, John W, 1994. Research Design : Qualitative and Quantitative Approaches, London : SAGE Publication.</i>

	Module Description/Course Syllabi Study Programme : Bachelor Animal Sciences Faculty of Animal Sciences Universitas Andalas
1. Course number and name	
PTK 61111 Social Research Methodology.	
2. Credits and contact hours/Number of ECTS credits allocated	
2 sks / 3,02 ECTS	
3. Instructors and course coordinator	
1. Prof.Dr.Ir.Asdi Agustar M.Sc; 2. Prof.Dr.Ir.Asdi Agustar M.Sc; 3. Dr.Ir.Arief MS; 4. Ida Indrayani S.Pt.M.Si	
4. Text book, title, author, and year	
1. Basten, G. 2010. Introduction to Scientific Research Project. Ventus Pub. Co. 2. Kothari, C. R., "Research Methodology", 3rd ed, New Age International (P) Ltd., New Delhi 3. McLelland, C.V. 2008. The nature of Science and Scientific Method. The Geological Society of America	
5. Recommended reading and other learning resources/tools	
1. Sudjana , 2009. Metoda Statitika, Tarsito Bandung 2. Creswell, John W, 1994. Research Design : Qualitative and Quantitative Approaches, London : SAGE Publication.	
6. Specific course information	
A. Brief description of the content of the course (catalog description)	
The Research Methodology course aims to equip students with knowledge, understanding, and the application of various research methods in order to prepare their final assignments. The course discusses various types of research and the steps involved in conducting research, starting from exploring ideas/topics, identifying problems, literature review, determining the focus of the problem, identifying variables, research design, methods and techniques of data collection, analysis, and drawing conclusions. Furthermore, the course also discusses how to prepare research reports and publish research results. Learning activities include lectures using various approaches and methods that actively involve students, such as discussions, field observation activities to learn how to identify problems, and practice in preparing research proposals.	

<i>B. Prerequisites or co-requisites</i>
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<i>C. Indicate whether a required or elective course in the program</i>
Required
<i>D. Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)</i>
first cycle Bachelor
<i>E. Year of study when the course unit is delivered (if applicable)</i>
2st years
<i>F. Semester when the course unit is delivered</i>
even Semester

<i>G. Mode of delivery (face-to-face, distance learning)</i>
Face-to-face
<i>7. Intended Learning Outcomes</i>
ILO-1: Internalize the fundamental values of the university, the code of ethics, and scientific ethics based on the values of Pancasila. PI-2: Able to apply discipline in attendance and in completing assigned tasks. ILO-3 : Able to apply animal husbandry science in accordance with the development of the livestock industry and innovative and up-to-date scientific activities. PI-4: Master technical and management skills in the field of livestock development and agribusiness. ILO-4: Able to identify, formulate, provide solutions, and evaluate the solutions given to problems in the field of animal husbandry. PI-1: Able to identify problems in the field of animal husbandry. PI-2: Able to formulate and elaborate problems in the field of animal husbandry. PI-3: Able to apply solutions to problems in the field of animal husbandry. PI-4: Able to evaluate the results of the solutions applied in the field of animal husbandry. ILO-6 : Able to communicate orally and in writing using up-to-date information media in the field of animal husbandry and integrate it with other fields of

knowledge. PI-1: Able to present ideas in front of an audience and provide feedback. ILO-7: Possess the attitude of a lifelong learner and pursue further study in developing a professional career. PI-2: Demonstrate the attitude of a lifelong learner.
8. Course Learning Outcomes <i>ex. The student will be able to explain the significance of current research about a particular topic.</i>
1. Able to apply logical, critical, systematic, and innovative thinking in the context of the development or implementation of science and technology while considering and applying humanistic values in accordance with their field of expertise. 2. Able to demonstrate independent, high-quality, and measurable performance. 3. Able to examine the implications of the development or implementation of science and technology while considering and applying humanistic values in accordance with their expertise based on scientific principles, procedures, and ethics in order to produce solutions, ideas, designs, or artistic critiques. 4. Able to make appropriate decisions in the context of solving problems in their field of expertise based on the results of information and data analysis.
9. Brief list of topics to be covered Definition of science, the scientific process, and research activities; the definition, types, and varieties of research; the research process; preliminary study and problem formulation; hypothesis design; plagiarism; implementation of a proposal; abstract and background of the problem; literature review; research variables; methods of data collection and drawing conclusions; procedures for writing scientific articles; review material.
10. Learning and teaching methods Discussions, field observations, and practice in preparing research proposals.
11. Language of instruction Bahasa Indonesia and English
12. Assessment methods and criteria Summative Assessment : 1. Tugas/Quis 30% 2. Nilai UTS 30% 3. Nilai UAS 40% Formative Assessment : -

