



Student Academic Handbook

ANIMAL HUSBANDRY STUDY PROGRAMME



FACULTY OF AGRICULTURE
MULAWARMAN UNIVERSITY

2024

Foreword

Praise be to Allah SWT for the publication of these Educational Guidelines for the Faculty of Agriculture at Mulawarman University. Thank you to all parties who have contributed to its preparation.

These Educational Guidelines consist of academic and student regulations that specifically govern the educational atmosphere and activities of the undergraduate and postgraduate programs at the Faculty of Agriculture at Mulawarman University. These Educational Guidelines were created with consideration of a situation oriented toward the development of scientific knowledge and scientific integrity through academic activities of the Tri Dharma of Higher Education, as well as a student situation focused on developing reasoning skills, talents, and interests, and providing for student welfare through co-curricular and extracurricular activities. The academic atmosphere of both conditions requires guidelines to serve as a foundation and guide to ensure its dynamics remain on track toward developing a superior Faculty.

We recognize that these Academic and Student Guidelines still have many shortcomings and weaknesses. Therefore, we welcome input and feedback from all parties to improve the Educational Guidelines for the Faculty of Agriculture at Mulawarman University in the future.

We extend our sincere gratitude to all the team members who have worked hard to compile this book. We hope this book will be of great benefit to the advancement of the Faculty of Agriculture at Mulawarman University.

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Introduction

The Faculty of Agriculture at Mulawarman University, or Faperta Unmul for short, is one of the first faculties established under the auspices of Mulawarman University. It is located on Jalan Pasir Balengkong, Gunung Kelua Village, Samarinda, East Kalimantan, Indonesia. Established in 1962, the Faculty of Agriculture was initially merged with the Faculty of Forestry. In 1967, two separate faculties were established: the Faculty of Agriculture and the Faculty of Forestry. Initially, Mulawarman University had four faculties: State Administration and Commerce (changed to the Faculty of Social and Political Sciences and the Faculty of Economics in May 1966), the Faculty of Agriculture, the Faculty of Forestry, and the Faculty of Mining. Based on Presidential Decree No. 66 dated September 7, 1982, the faculties at Mulawarman University were divided into five: the Faculty of Economics, the Faculty of Social and Political Sciences, the Faculty of Agriculture, the Faculty of Forestry, and the Faculty of Teacher Training and Education.

The Faculty of Agriculture's initial location was Jalan Barito 5, where administration, lectures, and practicums were conducted. In addition, practicums were also held at the East Kalimantan Provincial Veterinary Office (now the East Kalimantan Provincial Animal Husbandry Office) on Jalan Bhayangkara. In 1964, the Faculty of Agriculture moved to a new location on Jalan Flores, which is now used by the Master of Management program. It then moved again to Jalan Biawan in 1969, in the same location as the UNMUL Sidomulyo lecturer complex. It was not until 1982 that the Faculty of Agriculture moved to its current campus (Gunung Kelua Campus). Throughout its history, from 1962 to the present, the Faculty of Agriculture has been led by 18 deans, consisting of 14 different individuals. Currently, the Faculty of Agriculture has educational gardens located in Berambai and Karang Tunggal Village, Tenggarong Seberang District, Kutai Kartanegara Regency.

Organization

A. Organizational Structure

The organizational structure of the Faculty of Agriculture, Mulawarman University, is presented in Figure 1.

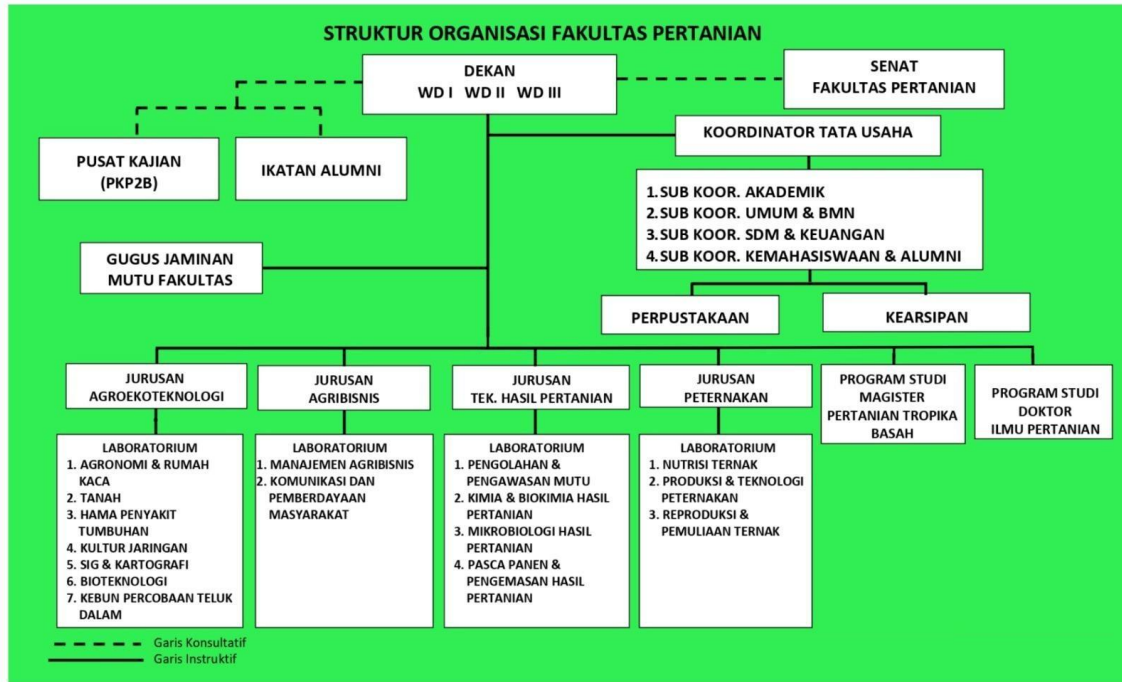


Figure 1. Organizational Structure of the Faculty of Agriculture, Mulawarman University

Profile and competencies of Animal Husbandry Study Program

A. Department/Study Program of Animal Husbandry

Vision of the Department/Study Program of Animal Husbandry

The Department/Study Program of Animal Husbandry has a vision to become a leading Animal Husbandry Study Program in Kalimantan, particularly in the field of humid tropical animal husbandry, to support the development of a sustainable livestock industry through education, research, and community service.

Mission of the Department/Study Program of Animal Husbandry

The mission of the Faculty of Agriculture's Animal Husbandry Study Program is aligned with the vision of Mulawarman University, including:

- (1) Providing undergraduate education in Animal Husbandry to produce graduates with academic and moral abilities, enabling them to play an active role in the development of the livestock industry in humid tropical environments.
- (2) Improving the relevance and quality of research for the development of science and technology in the livestock industry in humid tropical environments.
- (3) Developing and applying technology in the field of animal husbandry for the welfare of society.

Objectives of the Department/Study Program of Animal Husbandry

- (1) Producing graduates with academic and moral abilities, enabling them to play an active role in the development of the livestock industry in humid tropical environments.
- (2) Becoming a center for research and technology development in the field of humid tropical animal husbandry.
- (3) Have the ability to synergize with government institutions and the livestock industry in research related to livestock in humid tropical environments.
- (4) Produce applied research in the field of livestock in humid tropical environments to empower communities.

B. Graduate Profile of the Animal Husbandry Department/Study Program

Based on the 2023 vision and mission, which is a revision of the 2017 vision and mission, the curriculum developed and used by the Animal Husbandry Study Program is designed to produce graduates with competency qualifications for deepening knowledge and appreciation in the field of animal husbandry. The graduate profile includes the following:

Table 1. Profile of graduates of the Animal Husbandry Department/Study Program

Graduate Profile	Description of Field of Expertise
Business practitioner in the livestock sector	Graduates of the Animal Husbandry Study Program, Faculty of Agriculture, Mulawarman University, will be able to act as business practitioners in the livestock sector, ranging from breeding and cultivating livestock as superior breeders to becoming competent business practitioners in the processing of livestock products.
Academic	Graduates of the Animal Husbandry Study Program, Faculty of Agriculture, Mulawarman University, can contribute to the development of education in Indonesia through their roles as academics in the field of animal husbandry, for example as teachers at vocational schools for agriculture and animal husbandry.
Researcher	Graduates of the Animal Husbandry Study Program, Faculty of Agriculture, Mulawarman University, are competent in conducting various research projects that support the development of the livestock sector in Indonesia.
Livestock consultant	Graduates of the Animal Husbandry Study Program, Faculty of Agriculture, Mulawarman University, are able to manage and assess various livestock-related developments, particularly in the industrial sector, through the development of methods, planning, coaching, and controlling technical policies related to the implementation of a livestock business.

Courses of the Bachelor of Animal Husbandry Study Program

The courses mentioned above have been grouped and designed to allow you to complete the program in a minimum of 8 semesters. The distribution of courses in the Animal Husbandry Study Programme is designed to provide clear guidance on the courses to be taken each semester, allowing you to plan and manage your study time effectively

SEMESTER I

No.	Courses Code	Courses	Credits	Type	ECTS
1.	MU0000603W001	Religion	3	C	4.8
2.	MU0000602W002	Pancasila	2	C	3.2
3.	MU0000602W004	Indonesian Language	2	C	3.2
4.	MU0000602W006	Basic Social and Culural Sciences	2	C	3.2
5.	220305613W006	Biology	3	C	4.8
6.	2203056312W005	Intr to Agric. Science Humid Tropical	3	C	4.8
7.	220305612W008	Animal Enviromental Science	2	C	3.2
8.	220305612W007	Introduction of Animal Science	3	C	4.8

SEMESTER II

No.	Courses Code	Courses	Credits	Type	ECTS
1.	MU0000602W003	Civic Education	2	C	3.2
2.	22030562623W004	English	3	C	4.8
3.	220305622W002	Basic Management	2	C	3.2
4.	220305623W005	Biochemistry	3	C	4.8

5.	220305623W007	General Microbiology	3	C	4.8
6.	220305623W006	Anatomy and Phisiology	3	C	4.8
7.	220305622W003	Basic of Genetics	2	C	3.2
8.	220305623W009	Internet of Things	3	C	4.8

SEMESTER III

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305633W001	Animal Science	3	C	4.8
2.	220305633W002	Anim Nutrition Sci	3	C	4.8
3.	220305633W00	Basics of Livestock Product Technology	3	C	4.8
4.	220305633W004	Beef and Work Animal Science	3	C	4.8
5.	220305633W005	Poultry Science	3	C	4.8
6.	220305633W006	Dairy Science	3	C	4.8
7.	220305633W007	Animal Health Science	3	C	4.8
8.	220305633W008	Animal Reproduction Science	3	C	4.8

SEMESTER IV

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305633W001	Feed Ingredients & Form Rations	3	C	4.8
2.	220305633W001	Food & Nutrition of Livestock products	3	C	4.8
3.	220305633W001	Statistics & Experimental Design	3	C	4.8
4.	220305643W004	Research Methodology	3	C	4.8
5.	220305643W005	Animal Breeding Science	3	C	4.8
6.	220305643W006	Safety of Livestock Food	3	C	4.8
7.	220305633W001	Marketing and Trading of Livestock	3	C	4.8
8.	220305633W001	Livestock Policy and Legislation	3	C	4.8

SEMESTER V

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305633W001	Pasture Management	3	C	4.8

SEMESTER VI

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305633W002	Field Work Practice	2	C	3.2

SEMESTER VII

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305633W007	Community Service Program	3	C	4.8
2.	220305633W003	Seminar	2	C	3.2
3.	220305633W004	Thesis	6	C	9.6

SEMESTER VIII

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305633W004	Thesis	6	C	9.6

ELECTIVE COURSES OF FIRST SEMESTER

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305653P001	Meat Science and Technology	2	E	3.2
2.	220305653P002	Science of Milk and Egg Technology	2	E	3.2
3.	220305653P003	Economics of Livestock Production	2	E	3.2
4.	220305653P004	Animal Behaviour and Animal Welfare	2	E	3.2
5.	220305653P005	Industrial Development Livestock Products	2	E	3.2
6.	220305653P006	Poultry Production	2	E	3.2
7.	220305653P007	Beef Livestock Production	3	E	4.8
8.	220305653P008	Feedlot Management	2	E	3.2
9.	220305653P009	Livestock Integration System in Agricultural land	2	E	3.2
10.	220305653P010	Artificial Insemination	2	E	3.2
11.	220305653P011	Animal Medicine Knowledge	2	E	3.2
12.	220305653P012	Livestock business	2	E	3.2
13.	220305653P013	Poultry and Non-Ruminant Nutrition	2	E	3.2

ELECTIVE COURSES OF SECOND SEMESTER

No.	Courses Code	Courses	Credits	Type	ECTS
1.	220305662P01	Livestock Waste Management	2	E	3.2
2.	220305662P02	Feed Technology	3	E	4.8
3.	220305662P03	Various Livestock	2	E	3.2
4.	220305662P04	Poultry Breeding	2	E	3.2
5.	220305662P05	Leather Science and Technology	2	E	3.2
6.	220305662P06	Rural Sociology	2	E	3.2
7.	220305662P07	Farm Engineering	2	E	3.2
8.	220305662P08	Livestock Management in Post-Mining Lands	2	E	3.2
9.	220305662P09	Animal Biotechnology	2	E	3.2
10.	220305662P10	Development Counseling and Communication Farm	2	E	3.2
11.	220305662P11	Ruminant Nutrition	2	E	3.2
12.	220305662P12	Animal Genetic Resources Local	2	E	3.2
13.		Freeform MBKM	20	E	32
14.		Studi Independen	4	E	6.4

The academic regulations system bachelor of animal husbandry

A. New Student Admissions

Prospective Student Admissions

The Faculty of Agriculture's student admissions process follows the general student admissions process at Mulawarman University, namely:

- (1) Student admission is the responsibility of the Rector.
- (2) New student admissions for Unmul's undergraduate programs are conducted through five pathways:
 - a. Achievement-Based National Selection (SNBP);
 - b. Written Examination-Based National Selection (SNBT);
 - c. Independent Selection for State Universities (SMMPTN);
 - d. Selection for Collaborative Programs, Special Programs, and Achievement Programs;
 - e. Selection through Affirmative Action, Junior Admission, and Adem Admission Pathways;
 - f. Transfer Pathways and Bachelor's Degree Completion Pathways.
- (3) New student admissions for Vocational, Professional, Specialist, and Postgraduate Programs follow the academic calendar.
- (4) Selection for prospective students for Vocational, Professional, Specialist, and Postgraduate Programs is coordinated by the BAK and a team appointed by the Rector.
- (5) The number of new students accepted is adjusted to the capacity of each study program, which is determined based on the adequacy of the lecturer/student ratio, the availability of supporting facilities and infrastructure for the implementation of teaching and learning activities, graduate productivity, and accreditation.
- (6) Prospective students who pass the selection process are approved by the Chancellor.

General Requirements for Prospective Student Registration

The requirements for prospective student registration are:

- (1) Indonesian citizens and foreign nationals who meet the requirements.
- (2) Register and complete the documents stipulated by the State University Entrance Selection Committee according to each admission pathway.
- (3) Participate in the prospective student entrance selection process through the established system.
- (4) Have never been expelled (dropped out) from a study program at Unmul and/or have never been listed as an inactive student with outstanding administrative obligations.

New Student Re-Registration

New student re-registration follows the admissions system at Mulawarman University, namely:

- (1) The number of new students accepted is adjusted to the capacity based on the

faculty-to-student ratio in a study program.

- (2) Students who have passed the admissions process must complete the following procedures:
 - a. Pay the Tuition Fee (UK) as determined by the Rector of Mulawarman University;
 - b. Register through the AIS (Academic Integrated System) within the specified timeframe;
 - c. Complete the student registration form and the Information and Management System form;
 - d. Submit all required documents upon re-registration;
 - e. Submit a stamped statement stating their commitment to comply with the regulations and pay the established tuition fees.
 - f. The registration and acceptance of Master's Program students is determined and implemented by the Faculty of Agriculture and coordinated with the Faculty of Agriculture.

B. Guidelines for Implementing Academic and Student Regulations for the Education System

Education is carried out based on the Semester Credit System (SKS), as defined below:

- (1) Education at Mulawarman University uses the Semester Credit System (SKS).
- (2) Each course has a specific Semester Credit Unit (SKS) weight as a function of the time and activities per week within a semester.
- (3) One credit unit (SKS) is equivalent to 170 (one hundred and sixty) minutes of learning activities per week per semester, as outlined below:
 - a. 1 credit unit of lecture, response, or tutorial includes 50 minutes of face-to-face instruction, 60 minutes of structured activities, and 60 minutes of independent activities;
 - b. 1 credit unit of seminar or other similar learning forms includes 100 minutes of face-to-face instruction and 70 minutes of independent activities;
 - c. 1 credit unit of practicum, studio practice, workshop practice, field practice, research, community service, and/or other similar forms of learning comprises 160 minutes per week per semester.
- (4) If a course is not passed in a semester, the course must be prioritized for revision at the first opportunity of the following Odd/Even/Short Semester.

Learning Activities

Learning activities in the Faculty of Agriculture adhere to the following Learning Activity requirements:

- (1) To participate in learning activities, each student is required to pay Tuition Fees (UK), register/re-register, and complete the Study Plan (KRS) online at the beginning of each semester in accordance with the applicable academic calendar.
- (2) The KRS, as referred to in paragraph (1), is completed by the student at the beginning of each semester, and the Academic Advisor (PA) provides online and manual approval for the courses to be taken in one semester.
- (3) Payment and return of UK payment receipts are handled by a bank designated by

Unmul.

- (4) The postponement of UK payments is only valid after obtaining approval from the Unmul Chancellor and upon the recommendation of the Dean or Director of Postgraduate Studies.
- (5) The postponement of UK payments as referred to in Paragraph (4) is for a maximum of 2 (two) semesters after approval.
- (6) Students who do not meet the requirements in Paragraph (1) are categorized as inactive students.
- (7) Students who have been inactive for a maximum of two (2) semesters may continue their education by paying off all outstanding UK payments and meeting the requirements for evaluating student academic success.

The study load requirements for students in the Faculty of Agriculture are as follows:

- (1) The maximum number of credits that students in the Vocational and Undergraduate (S1) programs may take for the following semester is based on the Grade Point Average (GPA) for the previous semester, as detailed in Table 7.
- (2) New students in the Vocational, Undergraduate, Professional, and Postgraduate programs are required to take the entire study load in Semester I.
- (3) The minimum credit weight for courses a student must take per semester is 12 (twelve) credits, except for those in the final stages of their education.
- (4) Students may change/add/drop a course listed in the online Study Plan (KRS) with the approval of their Academic Advisor (PA).
- (5) The opportunity to change, add, or cancel a course is provided during the first two weeks of the current semester.
- (6) Students taking academic leave will be eligible for courses and the number of credits for the following semester based on their final semester GPA before the leave.
- (7) Students who do not complete their Study Plan (KRS) are not permitted to participate in academic activities.
- (8) The Faculty's Academic Affairs Department will compile a permanent list of students no later than two weeks after the start of classes, according to the academic calendar.
- (9) Students recognized as participating in a course are those whose names are listed on the permanent list of course participants.

Academic Activities

Academic activities are carried out through lectures (public lectures), discussions, seminars, symposia, workshops, research, field practice, laboratory practice, field trips, and independent assignments. Students are required to participate in all designated academic activities.

Venue and Lecture System

Lectures are held at designated times and locations, as determined by the lecture schedule established by the leadership of the Faculty of Agriculture.

Course Changes

Students may change courses listed in the Study Plan (KRS) to other courses no later than 2 (two) weeks for even and odd semesters, and 1 (one) week for intermediate semesters after the start of classes. These changes are made by completing and replacing courses taken or dropped online. Courses dropped or replaced by students must obtain approval from the Academic Advisor (PA).

Academic Guidance

Academic guidance is governed by the following regulations:

- (1) Academic guidance is provided by an Academic Advisor (PA) appointed by the Dean/Head of Postgraduate Studies upon the recommendation of the Head of Department/Head of Study Program, confirmed by a Decree of the Rector of Mulawarman University.
- (2) The requirements for an PA are that they are Permanent Lecturers at Unmul with Civil Servant status with a functional position of at least Assistant Expert.
- (3) Each PA is responsible for monitoring the progress of students' studies from the first semester until the student is declared graduated.
- (4) In monitoring the progress of students' studies, the PA lecturer may hold scheduled meetings with the student under his/her supervision to discuss obstacles encountered during the course of study and develop a study plan.
- (5) If the PA is unable to carry out his/her duties on time, his/her duties will be replaced by the Study Program Coordinator.
- (6) Academic Advisors who are permanently unable to attend for more than 6 (six) months will be replaced by the Head of Department/Study Program Coordinator, as determined by the Dean.

In general, the duties of a Supervisor are not limited to providing academic guidance/advice, but also include non-academic guidance to a number of students, as follows:

- (1) Duties of an Academic Advisor
 - a. Assisting students in identifying their interests, talents, and academic abilities;
 - b. Motivating students to study diligently to complete their studies as quickly as possible and to conduct themselves well throughout their education;
 - c. Instilling moral and spiritual values so that students develop character and noble morals;
 - d. Advising students in dealing with academic, social, and economic challenges and helping them find solutions to these challenges;
 - e. Facilitating students who are experiencing difficulties in choosing courses each semester;
 - f. May also serve as a Supervisor/Promoter for final reports, theses, or dissertations.
- (2) Duties of an Academic Advisor
 - a. Supervising a maximum of 20 students. In the event of a limited number of lecturers, the number of students under supervision may exceed 20.
 - b. Monitor the academic progress of their students each semester, either directly or through the online SIMAK account provided by each academic advisor to prevent dropout;

- c. Determine a joint guidance schedule with their students at least three times each semester;
- d. Study their students' academic, personal, and social issues;
- e. Discuss the results and approve their students' study plans at the beginning of each semester, either in person or online;
- f. Sign the Study Plan Card (KRS) printout.

Student Status

Recognition of active student status at the Faculty of Agriculture, Mulawarman University, is legally and formally established upon meeting the following requirements:

- a) Registered as a Mulawarman University student;
- b) Paying tuition fees in accordance with the established terms and conditions;
- c) Not currently on temporary suspension or suspension;
- d) Filling out the Study Plan Card (KRS) online for the current semester and submitting a printout to the respective Faculty/Program and study program;
- e) Participating in academic activities in accordance with the established KRS;
- f) Free from drug/narcotics abuse, smoking, criminal/unlawful acts, immorality, indiscipline, disorderly conduct, and anarchy on and off campus.

Study Load and Duration

a. Study Load and Duration by Academic Level

To meet the learning outcomes of program graduates, in accordance with Article 17, paragraph (1) of the Regulation of the Minister of Education, Culture, Research, and Technology of the Republic of Indonesia Number 53 of 2023 concerning Higher Education Quality Assurance, students are required to complete a minimum study load of for undergraduate or applied undergraduate programs, the minimum study load is 144 (one hundred and forty-four) semester credit units, designed for a curriculum duration of 8 (eight) semesters.

Article 23 paragraph (1) of the Regulation of the Minister of Education, Culture, Research, and Technology of the Republic of Indonesia Number 53 of 2023 concerning the Assurance of Higher Education Quality states that higher education institutions determine the study period for full-time and part-time students by taking into account the Curriculum Study Period, total study load, effectiveness of learning for the students concerned, flexibility in the learning process, availability of funding support, and efficiency of utilization of higher education resources. The study period as referred to in paragraph (1) does not exceed 2 (two) times the Curriculum Study Period.

b. Study Load per Semester for Undergraduate Program

The distribution of the study load for undergraduate programs based on Regulation of the Minister of Education, Culture, Research, and Technology of the Republic of Indonesia Number 53 of 2023 Article 18 Paragraph (2) is: (a) semester one and semester two, a maximum of 20 (twenty) semester credit units and (b) semester three and subsequent semesters, a maximum of 24 (twenty-four) semester credit units.

Determining Achievement in Quality Scores, Letter Grades, and Weighted Scores

Based on Article 26 Paragraph (1) of the Regulation of the Minister of Education, Culture, Research, and Technology of the Republic of Indonesia Number 53 of 2023,

assessment standards are the minimum criteria for assessing student learning outcomes to achieve graduate competency standards. Assessment of student learning outcomes as referred to in Paragraph (1) is conducted in a valid, reliable, transparent, accountable, fair, objective, and educational manner. Article 27 Paragraph (1) states that assessment of student learning outcomes takes the form of formative and summative assessments. Formative assessments aim to monitor student learning progress, provide feedback to help students meet their learning outcomes, and improve the learning process. Summative assessments can be conducted in the form of written exams, oral exams, project assessments, assignment assessments, competency tests, and/or other similar forms of assessment (Article 27 Paragraph (4)). Formative and summative assessments are implemented using assessment mechanisms established by the university (Article 27 Paragraph (5)).

Referring to Mulawarman University Rector's Regulation Number 5 of 2023, Article 43 Paragraph (1), the determination of a student's achievement in mastering a course's material is based on the results of quizzes, exams, practicums, and/or other assignments covering the cognitive, affective, and psychomotor domains.

The determination of achievement in a course is stated in (Article 45 Paragraph (2)):

- a. Grade point;
- b. Letter grade;
- c. Weighted grade.

The procedures for determining grades for students in the Faculty of Agriculture are as follows:

- (1) The grade point for a course has a range of 0 to 100 (one hundred).
- (2) The determination of letter grades for courses is as follows:
 - a. Letter grade A has a quality score of $80 \leq AM \leq 100$
 - b. The letter grade B has a quality number of $70 \leq AM < 80$
 - c. The letter grade C has a quality number of $60 \leq AM < 70$
 - d. The letter grade D has a quality number of $40 \leq AM < 60$
 - e. The letter grade E has a quality number of $0 \leq AM < 40$
- (3) The course weight value is determined

Course Grading

Course grading is carried out through the following mechanism:

- 1) Each course taken by a student in a semester must be given a grade.
- 2) Course grading can be based on one of the schemes
- 3) For courses that include practicums or other assignments as per the RPS, if a student fails the practicum or fails to complete the other assignments, they will be deemed to have failed the course.