

## STUDY PROGRAM INFORMATION

<b>A.</b>	<b>Name of Study Program</b>	:	Animal Science	
	<b>Level of Study</b>	:	Bachelor's Degree	
	<b>Faculty</b>	:	Agriculture and Animal Science	
<b>B.</b>	<b>Vision</b>	:	<p><b>Vision</b> Becoming an international center of excellence in livestock science through the study and implementation of tropical livestock systems based on local potential and based on Islamic values</p> <p><b>Scientific Vision</b> Studying and implementing science and technology in the field of tropical livestock based on local potential that supports integrated, environmentally friendly, and sustainable agriculture, in order to generate excellent, professional, graduates with Islamic characters, and adaptive to the latest developments in science and technology, aligning with the vision of International Excellence in Tropical Livestock</p>	
<b>C.</b>	<b>Graduate Learning Outcomes</b>	:	<ol style="list-style-type: none"> <li>1. Professional Livestock Entrepreneurs</li> <li>2. Professional Staff in Companies and Institutions</li> </ol>	
<b>D.</b>	<b>Learning Outcomes</b>	:	<ol style="list-style-type: none"> <li>1. Graduates demonstrate devotion to Almighty God, practice progressive ethical character in national and civic life, and apply global and sustainability perspectives based on the values of Progressive Islam and Pancasila</li> <li>2. Graduates demonstrate commitment, ethics, social and environmental awareness, and assume responsibility for professional work in their field independently, professionally, and entrepreneurially</li> <li>3. Graduates can apply scientific knowledge and technological advances in the field of animal science</li> <li>4. Graduates demonstrate professional competence in communication, time management, and organizational skills in the field of animal science</li> <li>5. Graduates can apply and utilize computational technologies effectively for communication purposes and as sources of information</li> <li>6. Graduates apply interpersonal skills, teamwork, and professional networking effectively, both independently and collaboratively, in a planned and goal-oriented manner</li> <li>7. Graduates can design, implement, and evaluate livestock production and agribusiness systems using multidisciplinary and sustainability-oriented approaches</li> <li>8. Graduates apply up-to-date professional skills in animal science responsibly and demonstrate a commitment to lifelong learning</li> <li>9. Graduates can formulate and solve problems in animal science, and communicate analyses and solutions effectively in oral and written forms in Indonesian and English</li> </ol>	
<b>E.</b>	<b>Courses</b>	:	<b>Semester I</b>	
			1. Indonesian Language	2 credits
			2. Pancasila	2 credits
			3. Faith and Humanity	1 credit

		4. Biology	2 credits
		5. Chemistry	2 credits
		6. Mathematics	2 credits
		7. Chemistry Laboratory	1 credit
		8. Computer Applications, Internet, and Programming	1 credit
		9. Productive Skills of FLSP	2 credits
		10. Biology Laboratory	1 credit
		11. Innovative Agro-Complex	2 credits
		12. Sustainable Development Insights	1 credit
		<b>Semester II</b>	
		1. Civics Education	4 credits
		2. Genetics and Animal Breeding	2 credits
		3. Worship and Human Relations	1 credit
		4. Biochemistry	2 credits
		5. Scientific Methods	2 credits
		6. Statistics	2 credits
		7. Microbiology	2 credits
		8. Genetics and Animal Breeding Laboratory Practice	1 credit
		9. Microbiology Laboratory Practice	1 credit
		10. English Proficiency Test Preparation Course	2 credits
		11. Biochemistry Laboratory Practice	1 credit
		<b>Semester III</b>	
		1. Animal Nutrition Science	3 credits
		2. Muhammadiyah Studies	1 credit
		3. Fundamentals of Animal Product Technology	3 credits
		4. Animal Reproduction Science	3 credits
		5. Animal Health	3 credits
		6. Livestock Economics	3 credits
		7. Animal Reproduction Science Laboratory Practice	1 credit
		8. Animal Health Laboratory Practice	1 credit
		9. Animal Nutrition Science Laboratory Practice	1 credit
		10. Livestock Economics Laboratory Practice	1 credit
		11. Fundamentals of Animal Product Technology Laboratory Practice	1 credit
		<b>Semester IV</b>	
		1. Principles of Poultry Production	3 credits
		2. Principles of Beef Cattle Production	3 credits
		3. Principles of Dairy Cattle Production	3 credits
		4. Feed and Feed Technology	3 credits
		5. Principles of Poultry Production Laboratory Practice	1 credit
		6. Principles of Dairy Cattle Production Laboratory Practice	1 credit
		7. Principles of Beef Cattle Production Laboratory Practice	1 credit
		8. Feed and Feed Technology Laboratory Practice	1 credit
		9. Islam and Science & Technology	1 credit
		10. Feed and Feed Technology Skills	1 credit

		11. Entrepreneurship	2 credits
		12. Digital Technology Engineering	2 credits
		<b>Semester V</b>	
		1. Poultry Production Management	3 credits
		2. Beef Cattle Production Management	3 credits
		3. Poultry Production Management Laboratory Practice	1 credit
		4. Poultry Production Management Skills	1 credit
		5. Beef Cattle Production Management Laboratory Practice	1 credit
		6. Dairy Cattle Production Management	3 credits
		7. Guest Lecture on Poultry Production Management	1 credit
		8. Beef Cattle Production Management Skills	1 credit
		9. Guest Lecture on Beef Cattle Production Management	1 credit
		10. Dairy Cattle Production Management Laboratory Practice	1 credit
		11. Dairy Cattle Production Management Skills	1 credit
		12. Guest Lecture on Dairy Cattle Production Management	1 credit
		13. Guest Lecture on Feed and Feed Technology	1 credit
		14. Generative Artificial Intelligence	1 credit
		<b>Semester VI [Elective courses (20–22 credits)]</b>	
		1. Poultry Feed Technology and Formulation	3 credits
		2. Closed House System Management	3 credits
		3. Poultry Feed Technology and Formulation Practical	1 credit
		4. Closed House System Management Practical	1 credit
		5. Poultry Health Management	3 credits
		6. Breeding and Hatchery Management	3 credits
		7. Poultry Health Management Practical	1 credit
		8. Breeding and Hatchery Management Practical	1 credit
		9. Poultry Business Management	2 credits
		10. Final Project Methodology	2 credits
		11. Ruminant Feed Logistics	3 credits
		12. Ruminant Feed Logistics Practical	1 credit
		13. Ruminant Business Management	3 credits
		14. Beef Ruminant Industry	3 credits
		15. Beef Ruminant Industry Practical	1 credit
		16. Dairy Ruminant Industry	3 credits
		17. Dairy Ruminant Industry Practical	1 credit
		18. Ruminant Livestock Industry Biotechnology	2 credits
		19. Ruminant Livestock Industry Biotechnology Practical	1 credit
		20. Occupational Health and Safety	2 credits
		21. Animal Product Processing Technology	4 credits
		22. Livestock Enterprise Management	3 credits

			23. Research Design	2 credits
			24. Research Methodology	2 credits
			25. Animal Biotechnology	2 credits
			26. Animal Biotechnology Practical	1 credit
			27. Animal Product Processing Technology Practical	1 credit
			28. Animal Product Processing Technology Skills	1 credit
			29. Expert Lecture on Animal Product Processing Technology	1 credit
			30. Quality Control	2 credits
			31. Livestock Enterprise Management Practical	1 credit
			<b>Semester VII [Elective Courses (20–22 credits)]</b>	
			1. Extensive Feedlot Teaching Farm	2 credits
			2. Packaging Technology	2 credits
			3. Communication and Extension	2 credits
			4. Livestock Development Regulations & Policies	2 credits
			5. Digital Marketing	2 credits
			6. Pullet Teaching Farm	3 credits
			7. Pullet Industrial Internship	2 credits
			8. Layer Teaching Farm	3 credits
			9. Layer Industrial Internship	2 credits
			10. Broiler Teaching Farm	3 credits
			11. Broiler Industrial Internship	2 credits
			12. Breeding Teaching Farm	3 credits
			13. Breeding Farm Industrial Internship	2 credits
			14. Feed Technology Teaching Farm	3 credits
			15. Feed Technology Industrial Internship	2 credits
			16. Ruminant Feed Logistics Teaching Farm	2 credits
			17. Ruminant Feed Logistics Industrial Internship	3 credits
			18. Extensive Feedlot Industrial Internship	3 credits
			19. Intensive Feedlot Teaching Farm	2 credits
			20. Intensive Feedlot Industrial Internship	3 credits
			21. Dairy Science Teaching Farm	2 credits
			22. Dairy Science Industrial Internship	3 credits
			23. Business Incubation	4 credits
			24. Community Service	4 credits
			25. Internship	3 credits
			26. Business Project	2 credits
			27. Thesis	5 credits
			28. Seminar	1 credit
			<b>Semester VIII</b>	
			1. Thesis	5 credits
			2. Seminar	1 credit
			Total	144 credits
<b>F.</b>	<b>Value Propositions</b>	:	1. Preparing students with Python programming. 2. Implementing intensive foreign language programs in the first academic year	

		<ol style="list-style-type: none"><li>3. Providing the Center of Excellence (CoE) program in Poultry and Ruminant Farm.</li><li>4. Being delivered by a distinguished faculty, with 36% Professors, 82% Associate Professors, and 18% Assistant Professors, fostering academic excellence and professional development</li><li>5. Being supported by KAN-certified laboratories and a comprehensive experimental farm laboratory, providing an excellent environment for practical training and innovative research</li><li>6. Being internationally accredited by ASIIN</li></ol>
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