

STUDY PROGRAM INFORMATION

A.	Name of Study Program	:	Forestry	
	Level of Study	:	Bachelor's Degree	
	Faculty	:	Agriculture and Animal Science	
B.	Vision	:	Developing forestry based on conservation, technology, and local wisdom to realize sustainable and globally competitive tropical forest management and green entrepreneurship based on Islamic values	
C.	Graduate Learning Outcomes	:	<ol style="list-style-type: none"> 1. Forestry Managers 2. Forestry Entrepreneurs 3. Government Apparatuses or Forestry Researchers 4. Forestry Social Activists 	
D.	Learning Outcomes	:	<ol style="list-style-type: none"> 1. Demonstrating devotion to God Almighty and possess a progressive character and attitude in national and state life, as well as a global and sustainable perspective based on the values of Progressive Islam and Pancasila 2. Being able to communicate verbally and in writing regarding technical and non-technical aspects, work in a team, interact with people from diverse backgrounds, and be skilled in organizing and leading in various situations by internalizing the values of Islam, Muhammadiyah, Pancasila, and civic 3. Being able to think logically, critically, analytically, creatively, and innovatively, solve problems, take responsibility for their work independently, and make appropriate decisions based on accountable information, in line with ethical values and professional forestry norms 4. Being able to master scientific principles, procedures, and ethics in forest resource management and apply forest management concepts to generate solutions independently and as part of a team 5. Being able to apply science, technology, information, and communication to solve problems and develop entrepreneurship in forest resource management using an interdisciplinary approach, internalizing Islamic, Muhammadiyah, Pancasila, and citizenship values 6. Mastering of theoretical concepts in basic science and forestry science with a strong commitment based on ethical values and norms in the fields of Silviculture, SDH Conservation, Forest Management, and Related Forest Product Technology in the field of sustainable forest management 7. Mastering technology, information, and communication with a strong commitment to supporting forest development and comprehensively solving problems in the forestry sector 8. Mastering the concepts and theories of forestry entrepreneurship for sustainable forest management, while adhering to Islamic and Muhammadiyah values 	
E.	Courses	:	Semester I	
			1. AIK I (Islam and Humanity)	1 credit
			2. Indonesian Language	2 credits
			3. Pancasila	2 credits
			4. Climatology and Climate Change	2 credits

		5. Climatology and Climate Change Practicum	1 credit
		6. Biology	2 credits
		7. Biology Practicum	1 credit
		8. Introduction to Forestry	1 credit
		9. Introduction to Forestry Practicum	1 credit
		10. Sustainable Development Insights	1 credit
		11. Chemistry	1 credit
		12. Chemistry Practicum	1 credit
		13. Innovative Agrocomplex	2 credits
		14. Foreign Language for Specific Purposes 1	2 credits
		Semester II	
		1. AIK II (Faith and Worship)	1 credit
		2. Foreign Language for Specific Purposes 2	2 credits
		3. Dendrology	2 credits
		4. Dendrology Practicum	1 credit
		5. Forest Genetics	2 credits
		6. Forest Soil Science	2 credits
		7. Forest Soil Science Practicum	1 credit
		8. Civics	2 credits
		9. Wood Anatomy and Basic Properties	2 credits
		10. Wood Anatomy and Basic Properties Practicum	1 credit
		11. Forestry Statistics	2 credits
		12. Forestry Communication	2 credits
		Semester III	
		1. Forest Ecology	2 credits
		2. Forest Ecology Practicum	1 credit
		3. Forest Resource Economics	2 credits
		4. Forest Inventory	2 credits
		5. Forest Inventory Practicum	1 credit
		6. Soil Fertility and Fertilization	2 credits
		7. Soil Fertility and Fertilization Practicum	1 credit
		8. Forest Protection	2 credits
		9. Forest Protection Practicum	1 credit
		10. Entrepreneurship	2 credits
		11. Non-Timber Forest Products	2 credits
		12. Wildlife Management	2 credits
		13. Social Forestry	2 credits
		Semester IV	
		1. Silviculture	2 credits
		2. Silviculture Practicum	1 credit
		3. Forest Microbiology	2 credits
		4. Forest Microbiology Practicum	1 credit
		5. Forest Planning	2 credits
		6. Forest Planning Practicum	1 credit
		7. Forest Management	3 credits
		8. Tree Physiology	2 credits
		9. Tree Physiology Practicum	1 credit
		10. Geomatics and Geographic Information Systems for Forestry	2 credits

		11. Geomatics and Geographic Information Systems for Forestry Practicum	1 credit
		12. Forest Policy	2 credits
		13. Watershed Management	2 credits
		Semester V	
		1. AIK III (Muhammadiyah Studies)	1 credit
		2. Forest Product Harvesting	2 credits
		3. Forest Product Harvesting Practicum	1 credit
		4. Ecotourism	2 credits
		5. Ecotourism Practicum	1 credit
		6. Forest Resource Conservation	2 credits
		7. Applied Silviculture Techniques	2 credits
		8. Applied Silviculture Techniques Practicum	1 credit
		9. Scientific Method (Technology 1)	3 credits
		10. Forest Product Processing	2 credits
		11. Environmental Impact Analysis	2 credits
		12. Soil and Water Conservation	2 credits
		13. Soil and Water Conservation Practicum	1 credit
		Semester VI	
		1. AIK IV (Moral and Human Relations)	1 credit
		2. Forest Biotechnology	2 credits
		3. Forest Biotechnology Practicum	1 credit
		4. Agroforestry	2 credits
		5. Business Incubation	2 credits
		6. Wildlife Conservation	2 credits
		7. Forestry Research (Technology 2)	4 credits
		8. Forest Bioenergy	2 credits
		9. Biomaterial	2 credits
		10. Biodiversity	2 credits
		11. Community Service Program	4 credits
		Semester VII	
		1. General Forestry Practices	4 credits
		2. Internship	4 credits
		3. Thesis	5 credits
		4. Seminar	1 credit
		Semester VI (CoE Class)	
		1. AIK IV (Moral and Human Relations)	1 credit
		2. Japanese Language	6 credits
		3. Forestry Health, Safety, and Environment	4 credits
		4. Psychology	2 credits
		5. Ringyou	1 credit
		6. Ringyou (Practice)	2 credits
		7. Mokuzai	1 credit
		8. Mokuzai (Practice)	2 credits
		9. Forestry Industry Research and Data Analysis	2 credits
		Semester VII (CoE Class)	
		1. General Forestry Practices	4 credits
		2. Internship	10 credits
		3. Community Service	4 credits
		4. Thesis	7 credits
		Total	144 credits

F.	Value Propositions	:	<ol style="list-style-type: none"> 1. Preparing students with Python programming 2. Implementing intensive foreign language programs in the first academic year 3. Providing international classes 4. Providing the Center of Excellence (CoE) program in the Forest Industry