PROFILE OF AGRICULTURE FACULTY
UNIVERSITY OF HALUOLEO
KENDARI, SOUTHEAST SULAWESI
INDONESIA

By
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Background

• The Agriculture faculty was established at the same time as the declaration of the University of Haluoleo as a state university, in accordance with the Republic of Indonesia Presidential Decree No. 37/1981, on the 19th of August 1981.

• Currently, the faculty has 4 (four) departments and/or programs of study, namely: Agribusiness, Agrotechnology, Forestry and Science & Food Technology.

• The Faculty has approximately 138 lecturers, graduated from highly-ranked national universities and international universities.
In attempts to improve the quality of graduates, the faculty continuously and internally performs:

- Increasing the quantity of qualified lecturers in different disciplines
- Improvement the quality of lecturers, by pursuing higher degree of study (masters and doctors), either in national or international universities; and also by conducting short-courses and workshops
- Improvement of study curriculum
- Establishment and adding new necessary infrastructures, such as lecture rooms, libraries, laboratories, equipments and chemicals for laboratories, experimental fields, etc.
Vision

The vision of Agriculture Faculty is to be the faculty that is civilized, advanced, highly competitive and globally oriented in the field of agriculture in the year 2025.
Mission

1. Creating an academic atmosphere and conducive environment to facilitate better administrative process, teaching, research, and community services
2. Improving the quality of administrative process, teaching, research, and community services
3. Improving the quantity and quality of human resources as providers for administrative process, teaching, research, and community services
4. Improving the quantity and the quality of equipments and infrastructures for administrative process, teaching, research, and community services
5. Producing the quantity and quality of civilized, advanced, and highly competitive graduates
6. Improving student activities which are scientific, entrepreneurial, and globally competitive
7. Building cooperative network with relevant stakeholders in agriculture developments, at both national and international levels
The objective of agriculture program

1. Believe in the Mighty God
2. Have a high personal integrity
3. Open-minded and responsive to the changes and developments of science, technology and art; and to the problems faced by community, especially for those related to agriculture
4. Have the capability to develop and apply agriculture technologies based on their professions.
The agriculture faculty has 4 (four) departments/programs of study for the bachelor degree (S1) level:

- **Agribusiness**, with concentrated studies on: Agriculture social, economic, and Agriculture communication & extension.
- **Agrotechnology**, with concentrated studies on: Agronomy, Plant breeding, Plant pests & diseases, and Soil science.
- **Forestry**, with concentrated studies on: Forest management and Forest production.
- **Science & Food Technology**, with concentrated study on Technology for agriculture products.
Profile of Agriculture Graduates

• Based on the academic curriculum of bachelor degree, the agriculture graduates are expected to be skillful and be able to work as:
  1. Agriculture Practitioners
  2. Agriculture Managers
  3. Agriculture Businessmen
  4. Agriculture Scientists
  5. Agriculture Facilitators on community development
  6. Agriculture Consultants
  7. Agriculture Policy makers
  8. Agriculture Educators
Competency of Agriculture Graduates

In accordance with the graduate profile, the agriculture graduates are expected to have major competencies such as (based on specific departments/study programs):

1. Department/Study Program of Agribusiness
   
   – Able to operate, control and improve sustainable agribusiness units
   – Able to make strategic and business plans, and evaluate agribusiness programs
   – Able to develop/improve the skill, innovativeness, entrepreneur, and agribusiness collaborative networks.
   – Able to negotiate and communicate for ideas on sustainable agribusiness
   – Able to conduct capability study and evaluate sustainable agribusiness units
   – etc.
2. **Department/Study Program of Agrotechnology**

- Able to apply scientific principles for formulating, analyzing, and solving problems in agriculture.
- Able to apply science and technology on plant cultivation, based on sustainable agriculture principles.
- Have the capability on leadership, manager, and creative and innovative on building, planning, and evaluating plant production system.
- Able to build effective network
- Able to design and conduct research projects, and interpret data professionally.
- Have the capability to accurately recommend problem solving for the sustainable agriculture system.
- etc
3. Department/Study Program of Forestry

- Able to apply science and technology related to productive forest management and community services.
- Have a high knowledge on basic principles and methodologies on forestry
- Able to follow the development of science and technology on forestry
- Able to manage forest resources, especially for floras and faunas endemic to tropical forest habitat, such as in Southeast Sulawesi.
- etc
4. Department/Study Program of Food Technology

- Able to actualize science and technology related to productive science and food technology
- Have academic capability and master in scientific knowledge and methodology for research in the field of science and food technology
- Have a high competitive ability and follow the development of science and technology on the field of science and food technology.
- Etc.
Academic Curriculum

• In accordance with the vision and missions of the faculty, and in order to achieve the expected competency of graduates, the university and the faculty have formulated and developed academic (study) curriculum for each department/study program within the faculty. There are 144-146 credits needed within 4 years (8 semesters). This curriculum is always reviewed and improved at least every 2 years. Each curriculum consists of all courses that have to be taken by students within the specific department.

• All the courses in the curriculum, which can not be listed on this presentation, are felt within and related to the following major subject areas, for each department/study program:
Department of Agribusiness

- Moral and Ethics (etiquette)
- Management and Business
- Economics and Resources
- Agriculture development
- Communication
- Community development and services
- Sociology and Culture
- Quantitative and Qualitative Methodology
- Agriculture science and technology
- Agro-industry
- Communication and Information technology
Department of Agrotechnology

- Agriculture science and technology
- Science and technology of growth media
- Economic, social and management
- Statistics and research methodology
- Moral and ethics (etiquette)
- Agronomy/plant production
- Plant nutrition
- Plant breeding and plant biotechnology
- Plant pest and disease
- Soil sciences
- Other competencies
Department of Forestry

- Basic in agriculture and forestry
- Forest management
- Forest Production
- Technology of Forest Product
- Conservation of forest resources
Department of Food Technology

- Basic sciences and food sciences
- Food technology
- Food production/processing
- Food safety
- Agribusiness in agro-industry
AGRICULTURE STUDENTS

TOTAL NUMBER OF ACTIVE STUDENTS
(September 2012) = 2007 students

- Agribusiness : 579
- Agrotechnology : 453
- Forestry : 805
- Science and Food Technology : 170
Academic and non-Academic Resources
# Academic and Non-Academic Resources of Agriculture Faculty

<table>
<thead>
<tr>
<th>Academic &amp; Administrative Staff</th>
<th>Number</th>
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<td>Lecturer</td>
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<td>- Bachelor Degree</td>
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<tr>
<td>- Master Degree</td>
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<tr>
<td>- Doctoral (PhD) Degree</td>
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<tr>
<td>- Professor</td>
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<tr>
<td>Administrative/Field Staff</td>
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<tr>
<td>Laboratory Technician</td>
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<tr>
<td>Administrative Staff (Casual)</td>
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</tbody>
</table>
NUMBER AND QUALIFICATION OF LECTURERS

**Departments**
- Food Technology
- Forestry
- Agrotechnology
- Agribusinesses

**Educational Background**
- S1 (Graduate)
- S2 (Master Degree)
- S3 (Doctoral Degree)
- Professor

<table>
<thead>
<tr>
<th>Department</th>
<th>S1 (Graduate)</th>
<th>S2 (Master Degree)</th>
<th>S3 (Doctoral Degree)</th>
<th>Professor</th>
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<tr>
<td>Agribusinesses</td>
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<td>11</td>
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Development (Research) Program

A. Opportunity/Strength

The opportunity for development of agriculture commodities (crops and estate crops) in Southeast Sulawesi is very promising, due to:

1. High support and commitment from local government
2. On going development of industries for processing of agriculture
3. Competitive fees for exporting agriculture products
4. Relatively high prices for agriculture commodities
5. Development of agriculture production technologies
6. Positive commitment from the university leaders for improvement of laboratories and experimental sites
7. The existence of experimental fields, both outside campus (15 Ha) and inside campus (>2 Ha)
B. Designed research programs
(example cases for Agro-technology research areas)

- Development of production system for crops, estate crops, and horticulture crops
- Development of improved varieties, adaptive to specific locations
- Development of integrated farming system, organic farming, and agro-forestry
- Studies on weed eco-physiology
- Multi-location test and physiological stress
- *In-vitro* propagation and biotechnology application on agriculture
- Management of marginal lands
- Development of microbial-enhanced organic fertilizers
- Management and conservation of water and land
- Development of integrated areas
- Management of sustainable soil fertility
- Development of biological agents (predator, parasitoid, insect pathogen, pathogen antagonist) and bio-pesticides
- Development of health management system for horticulture seeds
Prioritized Commodity

Prioritized agriculture commodities in Southeast Sulawesi, which are being improved and become research objects for lecturers and scientists in the agriculture faculty, such as:

a. Estate crops, such as: Jambu mete (cashew nut), Cacao, Pepper, Sago, Palm Oil, etc.
b. Crops, such as Paddy rice, Up-land rice, Local maize, Cassava, etc.
c. Horticulture crops, such as: Citrus (cv. Siompu), etc.
d. Forest plants, such as: Teak, ”Kayu Kuku”, etc.
THANK YOU!