



Subject Module
 Department of Agribusiness
 Faculty of Agriculture
 University of Islam Malang

Module Handbook

Title Module	Statistics
Module Level, if available	Undergraduate, Study Program of Agribusiness
CourseCode	MKW60710
Title, if available	-
Course (MK)	Statistics
Semester	3
Course Coordinator	Dr. Ir. Bambang Siswadi, MP.
Teaching Team	-
Instruction language	Indonesian Language/English
Linkage to Curriculum	Study Program: Agribusiness Specialization: Agribusiness Type: Compulsory/ Elective
Method and Duration of Learning	<ol style="list-style-type: none"> 1. Lecture: 100 minutes / meeting (14 meetings) 2. Practicum: 170 minutes / meeting (8 meetings) 3. Structured assignments / individual and group assignments
Study Load Student	<ol style="list-style-type: none"> 1. Lecture: 100 minutes / meeting (14 meetings) 2. Practicum 170 minutes / meeting (8 meetings) 3. Structured assignments / quizzes / group presentations 4. Attendance: 75% of total attendance
Weight Credit	3 Credits or 5.1 ECTS
Requirements to Pass the Course	<ul style="list-style-type: none"> • Attendance $\geq 75\%$ • Final score of all components of learning evaluation ≥ 50 Final Score Components: <ul style="list-style-type: none"> • 20% Mid-Semester Exam • 20% Final Examination • 30% Prakticum • 20% Structured Tasks (individual and group) • 10% Attendance
Course Prerequisites	Economic math
Learning outcomes	The expected learning outcomes are: <ol style="list-style-type: none"> 1. Able to respond to problems regarding entrepreneurship, agribusiness, and green food (ILO 1) 2. Able to analyze the rules and principles of agribusinesssciences, social sciences, economics, and agricultural techniqueus as the basic for innovative agribusiness disciplines(ILO 2) 3. Able to analyze the concept of agribusiness ethics and quality protection in a multidisciplinary context for sustainable agribusiness.(ILO 3) 4. Able to apply a variety of fundamentally oriented methods

	<p>to solve specific practical problem related to agribusiness(ILO 5)</p> <p>5. Able to evaluate projects in accordance with the techniques, methods, constrains, interpret data, and concludeit (ILO 6)</p>
Content Learning	<p>After completing this course students can:</p> <ol style="list-style-type: none"> 1. Mastering statistical theoretical concepts and their application in agribusiness or agricultural socio-economic systems 2. Able to analyze the phenomenon of problems in the field of agribusiness and socio-economic agriculture 3. Able to perform parameter testing with statistical methods, both descriptively and inferentially 4. Able to interpret the results of parameter analysis and testing, as well as draw conclusions and provide policy recommendations on problem phenomena in the agricultural sector <p>The topics include:</p> <ol style="list-style-type: none"> 1. Introduction 2. Descriptive and Data Exploration 3. Descriptive and Data Exploration (Continued) 4. Sampling Theory 5. Parameter Estimation/ Estimation 6. Hypothesis Testing 7. Hypothesis Testing (Continued) 8. Hypothesis Testing (Continued) 9. Correlation Analysis 10. Simple Regression Analysis 11. Simple Regression Analysis (Continued) 12. Multiple Regression Analysis 13. Multiple Regression Analysis (Continued) 14. Non-Parametric Statistics
Test Terms and Forms	<p>Exam requirements: Minimum 75% attendance to attend the final exam</p> <p>Exam form: Essay</p>
Learning Media	<p>Projector and screen, Zoom application, Google Classroom, e-book, WA Group, Learning Management System (LMS UNISMA)</p>
Reference	<p>Main Reference:</p> <ol style="list-style-type: none"> 1. Supramono and Sugiarto, 1993. STATISTICS. Publisher Andi Offset Yogyakarta 2. Walpole, R. E. 1992. Introduction to Statistics (translation). PT. Gramedia Pustaka Utama, Jakarta. 3. Koopmans, L. H. 1987. Introduction to Contemporary Statistical Methods 2nd ed. Duxbury Press, Boston <p>ReferenceSupport:</p> <ol style="list-style-type: none"> 1. Youtube statistics application usage instructions