



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

MODULE HANDBOOK

Module Title	Econometrics
Module Level, if available	Undergraduate Study Program of Agribusiness
Course Code	MKW60721
Title, if available	-
Course (MK)	Econometrics
Semester	4
Course Coordinator	Dr. Ir. Bambang Siswadi, MP.
Teaching Team	
Language of instruction	Indonesian language/English
Linkages with the Curriculum	Study Program : Agribusiness Specialization: Agribusiness Type: Compulsory
Learning Methods and Duration	<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 presentation
Student Study Load	<ol style="list-style-type: none"> 1. Lecture: 100 minutes/meeting (14 meetings) 2. Practicum: 170 minutes/meeting (8 meetings) 3. Structured Assignments/quiz/group presentation 4. Attendance: $\geq 75\%$ of total attendance
Credit Weight	3 SKS or 5,1 ECTS
Requirements for Passing the Course	<ul style="list-style-type: none"> • Attendance $\geq 75\%$ • The final score of all learning evaluation components ≥ 50 Final score component: <ul style="list-style-type: none"> • 20% Midterm Exam • 20% Final Exam • 30% Practicum • 20% Structured Tasks (individual and group) • 10% Presence
Course Prerequisite	Statistic
Learning Outcomes	The expected learning outcomes is: <ol style="list-style-type: none"> 1. Able to apply a variety of fundamentally oriented methods to solve specific practical problem related to agribusiness (ILO 5) 2. Able to implement agribusiness entrepreneurs that meets the principles of food health and safety (ILO 7)
Learning Content	After completing this course students are able to: <ol style="list-style-type: none"> 1. Mastering the theoretical concepts of econometrics and their application in agribusiness or agricultural socio-economic systems 2. Able to perform analysis using statistical applications in certain

	<p>cases on the phenomenon of problems in the field of agribusiness and socio-economic agriculture</p> <ol style="list-style-type: none"> 3. Able to perform parameter testing with econometric methods both descriptively and inferentially 4. Able to interpret the results of analysis and parameter testing, as well as draw conclusions and provide policy recommendations on the phenomenon of problems in the field of agribusiness and agricultural socio-economics <p>The topics include:</p> <ol style="list-style-type: none"> 1. Introduction 2. Simple regression analysis 3. Simple regression analysis (continued) 4. Multiple regression analysis 5. Multiple regression analysis (continued) 6. Dummy regression model on the independent variables 7. Dummy regression model on independent variables (continued) 8. Dummy regression model on the dependent variable 9. Dummy regression model on dependent variables (continued) 10. Production risk model and technical and economic efficiency 11. Production risk model and technical and economic efficiency (continued) 12. Simultaneous model 13. Simultaneous model (continued) 14. Time series regression model
Test Terms and Forms	<p>Examination requirements: Minimum of 75 % attendance to attend the final exam</p> <p>Test Form: Essay</p>
Learning Media	<p>Projector and screen, Zoom application, Google Classroom, e-book, WA Group, Learning Management System (LMS UNISMA), Youtube</p>
References	<p>Main References :</p> <ol style="list-style-type: none"> 1. Gujarati, D.N. Porter, C. 2009. Basic Econometrics. 5th Ed. McGraw Hill Irwin. Boston W. Greene. 1997. Econometric Analysis. Prentice-Hall. 2. Gujarati, D.N. 2003. Basic Econometrics 4th ed, Mc-Graw Hill. New York. 3. Kennedy, P. 2003. A Guide to Econometrics 5th ed. MPG Books, Bodmin, Cornwall <p>Supporting References :</p> <ol style="list-style-type: none"> 1. Youtube statistics application usage instructions