

Module Name	Statistics Aplication
Module Level, if applicable	Intermediate
Code if Applicable	0420206243
Subtitle, if applicable	-
Courses, if applicable	0420206243 (Statistics Aplication)
Semester(s) in which the module is taught	6
Person responsible for the module	Prof. Dr. Ir. Aniek Iriany, MP. Padhina Pangestika SP MP
Lecturer	Prof. Dr. Ir. Aniek Iriany, MP. Padhina Pangestika SP MP
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Department of Agrotechnology, Faculty of Agriculture and Animal Science.
Type of teaching, contact hours	Type of teaching: Face to face, Presentation, Practical, Project, Independent Learning
Workload	<ul style="list-style-type: none"> <li>• Lecture : 2 sks × 50 minutes × 16 weeks</li> <li>• Project : 2 sks × 60 minutes × 16 weeks</li> <li>• Independent Learning 2 sks × 60 minutes × 16 weeks</li> </ul>
Credit points	SKS 3 SCH x (1.5) = 4.5 ECTS
Requirements according to the examination regulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	No prerequisites
Module Objectives (Intended learning outcomes)	On successful completion in this course, student should be able to: <ol style="list-style-type: none"> <li>1. Foundational Understanding</li> <li>2. Descriptive Statistics Proficiency</li> <li>3. Critical Thinking in Statistical Analysis</li> <li>4. Application in Real-World Contexts</li> <li>5. Correlation between Expperimental Design and Statistic</li> <li>6. Practice using Mini Tab Application</li> </ol>
Module Content	The module content for the Statistics course involves a comprehensive exploration of foundational statistical concepts and methodologies. Students will begin by understanding the fundamental principles of descriptive statistics, Practical applications of statistical techniques in various fields will be emphasized, fostering a real-world understanding of statistical analysis.
Study and examination requirements and forms of examination	<b>Cognitive:</b> Midterm exam, Final exam, Quizzes, Assignments <b>Psychomotor:</b> Practice <b>Affective:</b> Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Classical teaching tools with white board, power point presentation, Mini Tab Application
Recommended Literature	For Class <ol style="list-style-type: none"> <li>1. The Cartoon Guide to Statistics" by Larry Gonick and Woollcott Smith</li> <li>2. Statistics" by Robert S. Witte and John S. Witte</li> <li>3. The Art of Statistics: Learning from Data"</li> </ol>

by David Spiegelhalter  
4. Real Statistics: Stripping the Dread  
from the Data" by Charles Wheelan  
5. Statistics for Business and Economics" by  
Paul Newbold, William L. Carlson, and  
Betty Thorne  
6. An Introduction to Statistical Learning:  
with Applications in R" by Gareth James,  
Daniela Witten, Trevor

**Date of Last Amendment**

23<sup>rd</sup> August 2022