



MINISTRY OF EDUCATION, CULTURE, RESEARCH AND TECHNOLOGY

## UNIVERSITAS NEGERI MAKASSAR

### FACULTY OF MATHEMATICS AND NATURAL SCIENCES DEPARTMENT OF BIOLOGY

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#### Module Handbook for Basic Statistics

<b>Module designation</b>	Basic Statistics
<b>Module level, if applicable</b>	Bachelor of Science
<b>Code, if applicable</b>	22A41C206
<b>Subtitle, if applicable</b>	-
<b>Courses, if applicable</b>	-
<b>Semester(s) in which the module is taught</b>	Even semester (II)
<b>Person responsible for the module</b>	Prof. Drs. Muh. Arif Tiro, M.Sc. M.Pd., Ph.D.
<b>Lecturer</b>	[1] Aswi, S.Pd., M.Si.
<b>Language</b>	Indonesia
<b>Relation to curriculum</b>	Compulsory course, 2 <sup>nd</sup> Semester
<b>Type of teaching, contact hours</b>	Learning methods: lectures, practice and discussion. CSU : 2 2 x 50 minutes lecture = 100 minutes 2 x 60 minutes scheduled task = 120 minutes 2 x 60 minutes independent task = 120 minutes Total teaching format = 340 minutes = 5,7 hours
<b>Workload</b>	Total workload = (Total Teaching format x 16) = 5,7 x 16 = 91,2 hours
<b>Credit points</b>	<b>2 CSU (3 ECTS)</b> ECTS = Total workload : 30 hours = 91,2 : 30 = 3
<b>Requirements according to the examination regulations</b>	Student must have attended at least 80% of the lectures to sit in the exams.
<b>Recommended prerequisites</b>	-
<b>Module objectives/intended learning outcomes</b>	1. Able to explain about theory and probability distribution 2. Able to prepare and present data 3. Able to determine the size of the data, including the size of the central symptom, location, spread and slope and convexity 4. Able to describe the distribution of sampling 5. Able to perform hypothesis testing 6. Able to perform parameter estimation
<b>Content</b>	In this course, students learn about the basics of statistics including probability, data preparation and presentation, data size, sampling distribution, hypothesis testing and parameter estimation.
<b>Study and examination requirements and forms of examination</b>	Mid-Exam : Written Test (25%) Final Exam : Written Test (25%) Practice/Practice Exam : Practice an written test (25%) Others : Individual Task (10%), Group Discussion (10%) and Quizz (5%).
<b>Media employed</b>	LMS-SYAM OK, Power Point Presentation, Books, Journal and Article, Student Worksheet, handout.
<b>Reading list</b>	[1] Tiro, M. A. (2015). Dasar-dasar Statistika, Edisi keempat. Makassar: Andira Publisher [2] Tiro, M. A. & Ahsan, M. (2015). Penyajian Informatif: Tabel, Grafik, dan Statistik. Makassar: Andira Publisher

