

Module Handbook

Module Name:	Elementary Statistics
Module Level:	Bachelor
Abbreviation, if applicable:	MAS 108
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	2 nd / First Year
Module coordinator(s):	Drs. Suliyanto, M.Si.
Lecturer(s):	Drs. Suliyanto, M.Si.
Language:	Bahasa Indonesia
Classification within the curriculum	Compulsory Course / Elective Studies
Teaching format / class hours per week during semester:	3 hours lectures(50 min per hours)
Workload:	3 hours lectures, 3 hours structured activity , 3 hours individual activity, 13 weeks per semester, total 117 hours per semester ~ 3.9 ECTS *
Credit Points:	3
Requirements:	-
Learning goals/competencies:	<p>General Competence (knowledge): After following these subjects, students of the second semester of Chemistry Study Program can analyze data using descriptive statistics and inference methods ..</p> <p>Specific Competence:</p> <ol style="list-style-type: none"> 1. Determine the probability distribution and sampling 2. Determine the parameter estimation. 3. Testing the hypothesis 4. applying chi square analysis, analysis of variance One Direction 5. Analyze Correlation and Regression
Content:	Descriptive Statistics, Introduction to Probability, Probability Distributions, Sampling Distribution, Parameter Estimation, Hypothesis Testing, statistics chi square test, One Way Variant Analysis, Correlation and Regression.
Soft skill	Honesty, discipline, submission of ideas, team-work, and be active
Study/exam achievements:	<p>Students are considered to be competent and pass if at least get 55 of maximum mark of the exams (UTS dan UAS), and structured activities(group discussion)</p> <p>Final score (NA) is calculated as follow: Assignment (20%), softskill (10%), middle examination (UTS) (30%), final examination (UAS) (40%)</p> <p>Table Value Graduation</p> <p>A: $100 > NA \geq 75$ AB: $74,9 \geq NA \geq 70$ B: $69,9 \geq NA \geq 65$</p>

	BC: 64,9≥NA≥60 C: 59,9≥NA≥55 D: 54,9≥NA≥40 E: 39,9≥NA
Learning Methods	Lecture, discussion, structured activities (individual)
Forms of Media:	Slides and LCD projectors, whiteboards
Literature:	<ol style="list-style-type: none"> 1. McClave, James T, and Terry Sincich, 2000. <i>Statistics</i>, Eighth Edition, Prentice Hall, New Jersey. 2. Rosner, Bernard, 1995. <i>Fundamentals of Biostatistics</i>, Fourth Edition, Wadsworth Company, Balmont California. 3. Walpole, RE,1995, <i>Pengantar Statistika</i>, Edisi III, Gramedia, Jakarta. 4. Walpole, RE& Myers, RH,1995, <i>Ilmu Peluang dan Statistika untuk Insinyur dan Ilmuwan</i>, Penerjemah : Sembiring, RK, Edisi IV, Penerbit ITB, Bandung.
Notes:	*Total ECTS = {(total hours workload x 50 min) / 60 min } / 25 hours Each ECTS is equals with 25 hours