### Module Handbook

**Module name**: Analisis Regresi Terapan (Applied Regression Analysis)

**Module level, if applicable**: Bachelor

**Code, if applicable**: MMS-2421

**Subtitle, if applicable**: -

**Courses, if applicable**: Analisis Regresi Terapan (Applied Regression Analysis)

**Semester(s) in which the module is taught**: 3 / second year

**Person responsible for the module**: Zulaela, Drs., Dipl.Med.Stats., M.Si.

**Lecture(s)**: Zulaela, Drs., Dipl.Med.Stats., M.Si.

**Language**: Bahasa Indonesia

**Classification within the Curriculum**: Compulsory course

**Teaching format / class hours per week during the semester**: 2 hours lecture and 2 hours laboratory session

**Workload**:
- 2 hours lecture + 4 hours individual study, 14 weeks lecture per semester,
- 2 hours laboratory session + 2 hours individual study, 10 weeks laboratory session per semester,
- total 152 hours a semester

**Credit points**: 3

**Requirements**: MMS-1409 Metode Statistika II (Statistical Methods II)

**Module objectives/intended learning outcomes**: After completing this course, the students should be able to:

1. Estimate regression coefficients.
2. Explain the basis for developing the best linear regression model.
3. Analyse a real data set and interpret the output of statistical software in a correct way.

**Content**: The teaching materials consist of simple linear regression and correlation, multiple linear regression, categorical independent variables, choice of the best model, and residual analysis.

**Study and examination requirements and forms of examination**: The weight of assignments will be as follows:

1. Quiz, home work, laboratory work: 30%
2. Mid semester exam: 35%
3. Final exam: 35%
Grade scale:
A: 85<score≤100
A-: 80<score≤85
A/B: 75<score≤80
B+: 70<score≤75
B: 65<score≤70
B-: 60<score≤65
B/C: 55<score≤60
C+: 50<score≤55
C: 45<score≤50
C-: 40<score≤45
C/D: 35<score≤40
D+: 30<score≤35
D: 20<score≤30
E: 0≤score≤20

Media employed: Computer and LCD projectors, whiteboards.

Reading List

CO and PLO mapping

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