

COURSE PORTFOLIO

Study Program	: MATHEMATICS - S1
Semester	: EVEN 2023/2024
Course Code	: 23H01110703
Course Name	: Statistical Methods
Coordinator	: Nur Rohmah Oktaviani Putri, S.Si., M.Si
Lecturer Team Member	: Prof. Dr. Aidawayati Rangkuti, MS., Nur Rohmah Oktaviani Putri, S.Si., M.Si

Implementation of Learning

Description of the implementation of the lecture, the suitability of what was planned in the RPS with what was done:

Number and percentage of lecturer and student attendance

(data source: monitoring the attendance of lecturers and students)

Lecturer Attendance			Student Attendance
Statistical Methods B	Prof. Dr. Aidawayati Rangkuti, MS.	: 8 times	Number of students: 40 persons
	Nur Rohmah Oktaviani Putri, S.Si., M.Si	: 8 times	Presence ≥ 80% : 39 persons (97.50 %)
	Total Meeting : 16 times.		Presence < 80% : 1 person (2.50 %)
Statistical Methods A	Prof. Dr. Aidawayati Rangkuti, MS.	: 8 times	Number of students: 40 persons
	Nur Rohmah Oktaviani Putri, S.Si., M.Si	: 8 times	Presence ≥ 80% : 39 persons (97.50 %)
	Total Meeting : 16 times.		Presence < 80% : 1 person (2.50 %)

Materials/practicum provided

1. Data description (Data description)
2. Data presentation (Data presentation)
3. Measures of data center measurement (Data center measurement)
4. Measures of data deviation (Data dispersion measurement)
5. Random variables and chance (Random variable and probability)
6. Probability distribution distribution)
7. Sampling distribution
8. Parameter Estimation
9. Hypothesis testing

The learning methods implemented

Meeting 1-2

Lecture: Discovery Learning

TM:2x3x50

Meeting 3

Lecture: Discovery Learning

TM:3x50

4-5 Meetings

Lecture: Discovery Learning

TM:2x3x50

6-8 Meetings

Lecture: Case Study (Case Study)

Group Assignments in weeks 6-8:

1. Students dig ideas by doing journal literature study, web, or references others
2. The lecturer gives assignment to each group to retrieve data from that experiment has been determined
3. Students do processing process data

TM:2x3x50

Lecture: Case Study (Case Study) Group Presentation in week 8: Student present the results discussion in class and responded to directly by students others, the

lecturer takes action as facilitator

TM:3x50

Meeting 9

Lecture: Discovery Learning

TM:3x50

10 Meetings

Lecture: Discovery Learning

TM:3x50

Meeting 11

Lecture: Discovery Learning

TM:3x50

Meeting 12

Lecture: Discovery Learning

TM:3x50

Meeting 13

Lecture: Discovery Learning

TM:3x50

14th Meeting

Lecture: Discovery Learning

TM:3x50

15-16th Meeting

Lecture: Case Study (Case Study)

Group Assignments in week 15:

1. Students dig ideas by doing journal literature study, web, or references other 2. The lecturer gives assignment to each group for look for case, take data, and determine the hypothesis

TM:3x50

Lectures: Group discussion (Small Group Discussion) Group Presentation in week 16: Student present the results discussion in class and responded to directly by students others, the lecturer takes action as a facilitator

TM:3x50

The assessment method implemented

1. Quiz
2. Case Studies
3. Independent Assignment

Supplementary information (if available)

None

2. Learning Outcomes

Measurement results of CLO

Assessment and Evaluation of Student Achievement of CLO³

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
ILO 1	CLO-1	Independent Assignment	15.00 %	76.19
ILO 1	CLO-1	Quiz	10.00 %	86.66
ILO 1	CLO-1	Case Studies	25.00 %	85.83
ILO 1	CLO-2	Independent Assignment	15.00 %	63.83
ILO 1	CLO-2	Quiz	10.00 %	67.39
ILO 1	CLO-2	Case Studies	25.00 %	76.55
ILO 1	CLO-3	Quiz	10.00 %	64.91
ILO 1	CLO-3	Case Studies	25.00 %	76.34
KK2	CLO-3	Quiz	10.00 %	64.91
KK2	CLO-3	Case Studies	25.00 %	76.34

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
KK3	CLO-4	Quiz	10.00 %	80.64
KK3	CLO-4	Independent Assignment	15.00 %	85.83
KK3	CLO-4	Case Studies	25.00 %	80.20
S2	CLO-4	Quiz	10.00 %	80.64
S2	CLO-4	Independent Assignment	15.00 %	85.83
S2	CLO-4	Case Studies	25.00 %	80.20

a: result criteria: very satisfactory if the average score is ≥ 80 ; satisfactory if the average score is 70 - 79.9; unsatisfactory if the average score is < 70 .

Percentage of students who achieved a very satisfactory CLO score ^b

(data source: student scores per assessment according to CLOs)

CLO	% of students who achieved a CLO score of at least 80
CLO-1	85.00%
CLO-2	25.00%
CLO-3	26.25%
CLO-4	83.75%

b: result criteria: very satisfactory if $\geq 80\%$ of students score ≥ 80 ; satisfactory if 70%-79.9% of students score ≥ 80 ; less satisfactory if $< 70\%$ of students score ≥ 80 .

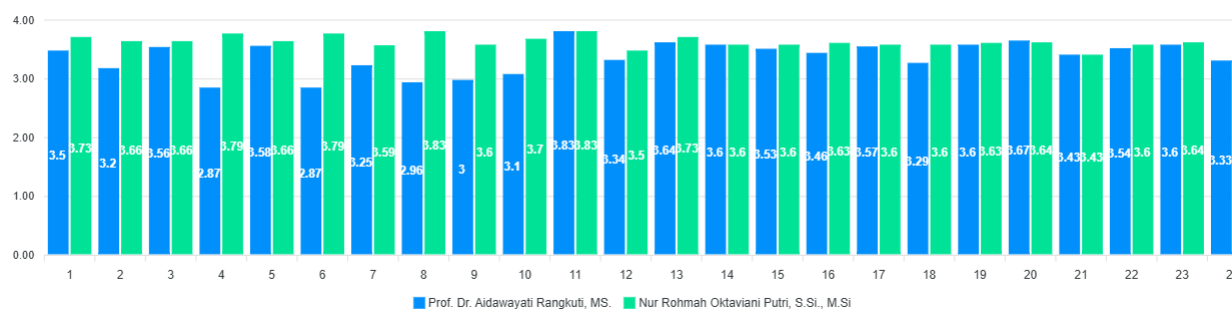
Course Grade

Course Grade	Number and Percentage of Students
A	14 (17.5%)
A-	15 (18.8%)
B+	33 (41.2%)
B	9 (11.2%)
B-	5 (6.2%)
C+	1 (1.2%)
C	0 (0.0%)
D	0 (0.0%)
E	3 (3.8%)

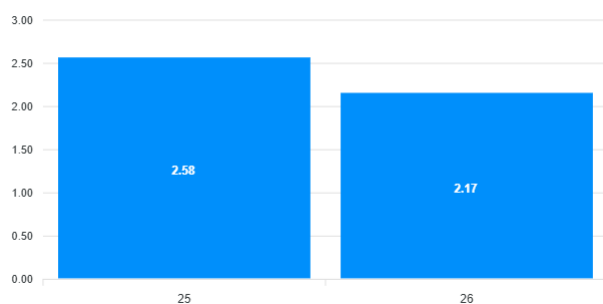
3. Learning evaluation (survey) results

(data source: items / narratives of the results of the MK evaluation questionnaire by students)

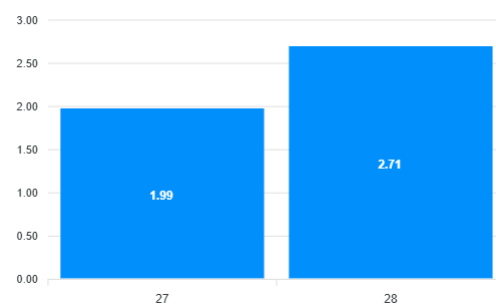
Grafik Kuisioner Pembelajaran Matakuliah Metode Statistika



Grafik Kuisioner Pembelajaran



Grafik Kuisioner Pembelajaran



Keterangan Nilai

Pertanyaan 1-24:

- 4 : Sangat Setuju/ Sangat Baik
- 3 : Setuju / Baik
- 2 : Ragu-ragu / Cukup
- 1 : Tidak Setuju / Kurang

Pertanyaan 25 dan 26: (WE = Waktu Efektif)

- 5 : WE > 200 menit
- 4 : 180 menit < WE <= 200 menit
- 3 : 120 menit < WE <= 180 menit
- 2 : 60 menit < WE <= 120 menit
- 1 : 1WE <= 60 menit

Pertanyaan 27:

- 3 : Lebih Banyak
- 2 : Sama
- 1 : Lebih Sedikit

Pertanyaan 28:

- 3 : Sama
- 2 : Cukup Sesuai
- 1 : Kurang Sesuai

Informasi Pertanyaan Kuisioner

1. Dosen Menyampaikan Rancangan Pembelajaran Semester (RPS) dan Kontrak Perkuliahan di awal Perkuliahan dengan Jelas

4. Dosen menjelaskan materi dengan baik dan jelas

7. Dosen Memberikan Penilaian dengan jelas dan sesuai dengan kontrak perkuliahan yang telah disepakati

10. Matakuliah yang diberikan menstimulasi kemampuan intelektual saya

13. Jadwal matakuliah telah diinformasikan di SIM secara jelas sebelum perkuliahan dimulai

16. Dosen menyelesaikan perkuliahan tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan

19. Selama Kualiah daring, fasilitas perkuliahan cukup memadai

22. Beban sks matakuliah ini sudah sesuai dengan kompetensi yang akan dicapai (Catatan : 1 sks setara dengan 170 menit kegiatan belajar setiap pekan per semester)

25. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan) untuk menyelesaikan tugas terstruktur pada matakuliah ini

28. Alokasi waktu yang digunakan untuk menyelesaikan tugas yang diberikan matakuliah ini

2. Dosen Menjalankan Proses Pembelajaran yang berpusat pada mahasiswa (Student Centered Learning)

5. Dosen memberikan materi setiap minggu sesuai dengan Rancangan Pembelajaran Semester (RPS) matakuliah

8. Dosen memberikan umpan balik dengan memberikan komentar secara lengkap

11. Tingkat kehadiran saya dalam matakuliah ini sangat tinggi (lebih dari 80% pertemuan)

14. Dosen memberikan kuliah sesuai dengan jadwal kuliah yang telah ditetapkan

17. Tersedia buku acuan/modul/ringkasan materi/slide matakuliah untuk semua materi yang diberikan

20. Saya menggunakan SIKOLA sebagai wadah pembelajaran

23. Saya menggunakan SIKOLA sebagai wadah pembelajaran

26. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan) untuk belajar mandiri pada matakuliah ini

3. Dosen Menyiapkan materi Pembelajaran dan sumber daya pendukung pembelajaran (diktat, slide, kasus, tugas, bahan ujian, dsb)

6. Dosen mempunyai kepedulian dan membantu mahasiswa dalam pemahaman penguasaan suatu materi

9. Saya memahami materi kuliah setelah menyelesaikan perkuliahan ini

12. Dosen menggunakan lebih dari satu metode penilaian (Assessment Methods)

15. Dosen hadir tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan

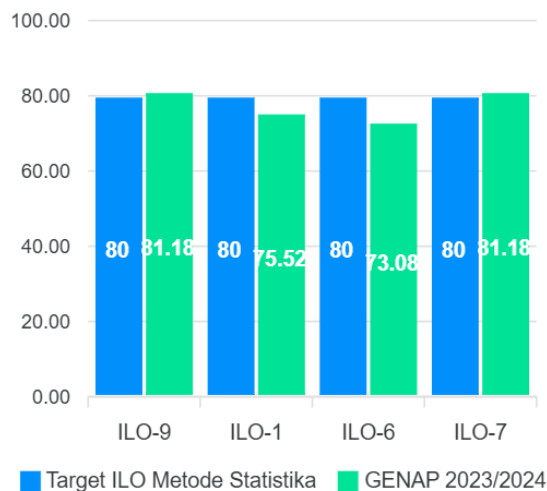
18. Buku acuan/modul/ringkasan materi/slide matakuliah yang diberikan benar dan up to date dengan perkembangan yang ada

21. Layanan Perpustakaan Prodi/Departemen/Fakultas/Universitas sangat membantu dalam proses pembelajaran

24. Layanan Perpustakaan Prodi/Departemen/Universitas sangat membantu dalam proses pembelajaran

27. Dibandingkan dengan matakuliah yang lainnya, jumlah waktu yang anda habiskan khusus untuk matakuliah ini

Grafik ILO MK (Metode Statistika)



Hasil Pengukuran CPL MK Metode Statistika

4. Analysis and Reflection

Analysis and reflection

Analysis

Analysis of the data shows that performance in the Statistical Methods Course generally varies. There are several aspects of learning outcomes that show excellent performance and have succeeded in exceeding the targets that have been set, indicating strength in these areas. However, on the other hand, there are also several aspects of learning achievement whose performance is still below the expected standard, with one of them showing a more significant gap than the others.

Reflection

This varying performance reflects that the existing problems are most likely not fundamental in the entire course, but rather specific to certain topics or methods that are related to low achievement. Success in some aspects can be used as internal "good practices" that need to be analyzed more deeply. Therefore, the most effective follow-up is to identify teaching and evaluation strategies that have been successful in superior areas, and then adapt these approaches to improve performance in areas that are still lagging behind.

5. Follow-up Plan

Responding to varying performance in the Statistical Methods Course, where there are areas that have exceeded the target and other areas that are still less than

the target, the follow-up plan will implement an approach that focuses on the achievements that are lacking. This step will center on analyzing success factors from superior performance aspects to be adapted and implemented as improvement strategies in areas that are still below standard. The aim is to lift performance in specific weak areas, so that learning outcomes are achieved more evenly and all can meet the expected targets.

6. Follow-up results on the previous semester's evaluation

Following up on the findings of the previous semester's evaluation for the Statistical Methods Course, which identified varying performance with areas of excellence and other areas that were lagging behind, a focused action plan has been implemented. This strategy centers on strengthening weak areas by adapting teaching and evaluation approaches that have proven successful in high-performing areas. This targeted improvement approach is recommended to be maintained in the following semester.

Makassar, 21 Oktober 2025

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