COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	EVEN 2023/2024
Course Code	:	23H01122003
Course Name	:	Number Theory
Coordinator	:	Dr. Muhammad Zakir, M.Si.
Lecturer Team Member	:	Dra. Nur Erawati, M.Si., Dr. Muhammad Zakir, 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
Number Theory	Dra. Nur Erawati, M.Si.	:	8 times	Number of students: 36 persons Presence ≥ 80% : 35 persons (97.22 %) Presence < 80% : 1 person (2.78 %)
	Dr. Muhammad Zakir, M.Si.	:	8 times	
	Total Meeting : 16 times.			

Materials/practicum provided

1. Division
2. Euclid's Algorithm (Euclid Algorithm)
3. Common divisor (common divisor)
4. Common Multiple
5. Prime (Prime)
6. Congruence (congruence)
7. System Complete and Reduced Residue Systems
8. Linear Collaboration and Diophantine Equations
9. Euler's generalization and its application
10. Chinese Remainder Theorem
11. Euler's function
12. Quadratic prime modulo

The learning methods implemented

- Lecture: Discovery Learning

- Lecture: Case Study (Case Study)

The assessment method implemented

1. Case Studies
2. Mid Test
3. Final Test
4. Independent Assignment

Supplementary information (if available)

None

2. Learning Outcomes

Measurement results of CLO

Assessment and Evaluation of Student Achievement of CLO[a]

LOs that are charged to the Course	CLO	Assessment Form	Weight	Average student score (0-100)
ILO 1	CLO-1	Independent Assignment	5.00 %	81.77
P2	CLO-2	Independent Assignment	5.00 %	80.90
P2	CLO-2	Case Studies	10.00 %	79.90
P2	CLO-2	Case Studies	15.00 %	81.83
P2	CLO-2	Case Studies	25.00 %	79.88
P2	CLO-2	Mid Test	10.00 %	81.89
P2	CLO-2	Final Test	10.00 %	81.94
KU1	CLO-3	Case Studies	15.00 %	81.83
KU1	CLO-3	Independent Assignment	5.00 %	80.66
KU1	CLO-3	Case Studies	25.00 %	79.88
KU1	CLO-3	Final Test	10.00 %	81.94
KU1	CLO-4	Case Studies	15.00 %	81.83
KU1	CLO-4	Final Test	10.00 %	81.94
KU1	CLO-5	Independent Assignment	5.00 %	80.73
KU1	CLO-5	Case Studies	25.00 %	79.88
KU1	CLO-5	Final Test	10.00 %	81.94

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	69.44%
CLO-2	75.00%
CLO-3	66.67%
CLO-4	75.00%
CLO-5	63.89%

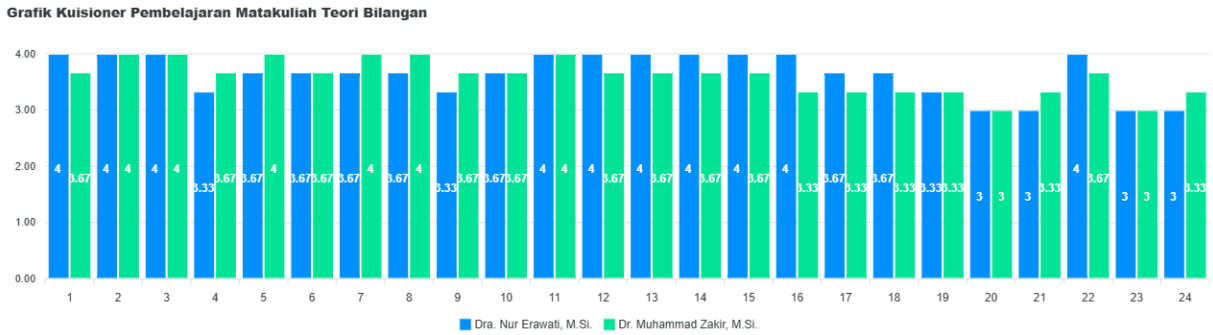
b: result criteria: very satisfactory if ≥80% of students score ≥80; satisfactory if 70%-79.9% of students score ≥80; less satisfactory if < 70% of students score ≥80.

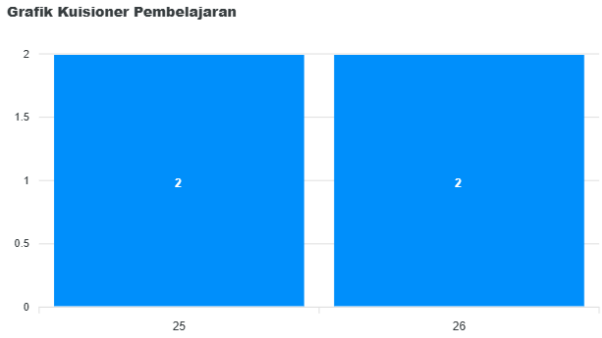
Course Grade

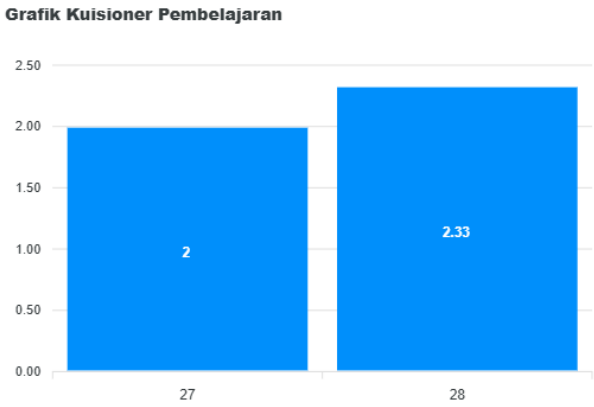
Course Grade	Number and Percentage of Students
A	0 (0.0%)
A-	26 (72.2%)
B+	10 (27.8%)
B	0 (0.0%)
B-	0 (0.0%)
C+	0 (0.0%)
C	0 (0.0%)
D	0 (0.0%)
E	0 (0.0%)

3. Learning evaluation (survey) results

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







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 : 1:WE <= 60 menit

Pertanyaan 27:

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

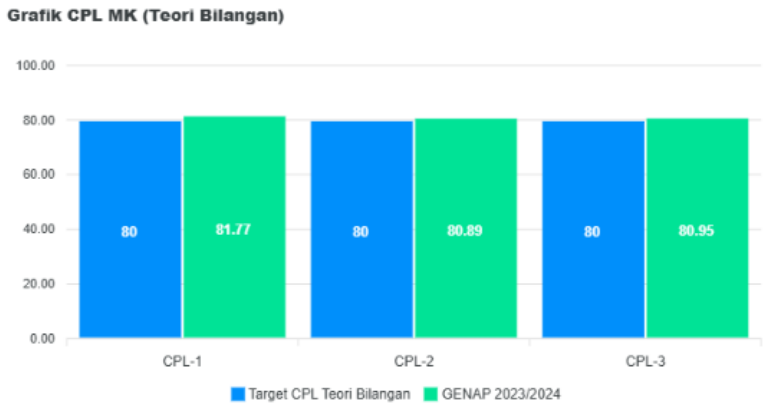
Pertanyaan 28:

- 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
2. Dosen Menjalankan Proses Pembelajaran yang berpusat pada mahasiswa (Student Centered Learning)
3. Dosen Menyiapakan materi Pemebelajaran dan sumber daya pensukung pwmbelajaran (diktat, slide, kasus, tugas, bahan ujian, dsb)
4. Dosen menjelaskan materi dengan baik dan jelas
5. Dosen memberikan materi setiap minggu sesuai dengan Rancangan Pembelajaran Semester (RPS) matakuliah
6. Dosen mempunyai kepedulian dan membantu mahasiswa dalam pemahaman dan penguasaan suatu materi
7. Dosen Memberikan Penilaian dengan jelas dan sesuai dengn kontrak perkuliahan yang telah disepakati
8. Dosen memberikan umpan balik dengan memberikan komentar secara lengkap
9. Saya memahami materi kuliah setelah menyelesaikan perkuliahan ini
10. Matakuliah yang diberikan menstimulasi kemampuan intelektual saya
11. Tingkat kehadiran saya dalam matakuliah ini sangat tinggi (lebih dari 80% pertemuan)
12. Dosen menggunakan lebih dari satu metode penilaian (Assessment Method)
13. Jadwal matakuliah telah diinformasikan di SIM secara jelas sebelum perkuliahan dimulai
14. Dosen memberikan kuliah sesuai dengan jadwal kuliah yang telah ditetapkan
15. Dosen hadir tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan
16. Dosen menyelesaikan perkuliahan tepat waktu sesuai dengan jadwal kuliah yang telah ditetapkan
17. Tersedia buku acuan/modul/ringkasan materi/slide matakuliah untuk semua materi yang diberikan
18. Buku acuan/modul/ringkasan materi/slide matakuliah yang diberikan bermanfaat dan uptodate dangan perkembangan yang ada
19. Selama Kualiah daring, fasilitas perkuliahan cukup memadai
20. Saya menggunakan SIKOLA sebagai wadah pembelajaran
21. Layanan Perpustakaan Prodi/Departemen/Fakultas/Universitas sangat membantu dalam proses pembelajaran
22. Beban sks matakuliah ini sudah sesuai dengan kompetensi yang akan dicapai (Catatan : 1 sks setara dngan 170 menit kegiatan belajar setiap pekan per semester)
23. Saya menggunakan SIKOLA sebagai wadah pembelajaran
24. Layanan Perpustakaan Prodi/Departemen,Universitas sangat membantu dalam proses pembelajaran
25. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan)untuk menyelesaikan tugas terstrukturpada matakuliah ini
26. Rata-rata Waktu Efektif (dalam menit) yang anda habiskan dalam seminggu (di luar jam perkuliahan) unuk belajar mandiri pada matakuliah ini
27. Dibandingkan dengan matakuliah yang lainnya, jumlah waktu yang anda habiskan khusus untuk matakuliah ini
28. Alokasi waktu yang digunakan untuk menyelesaikan tugas yang diberikan matakuliah ini

Hasil Pengukuran CPL Mata Kuliah Teori Bilangan



4. Analysis and Reflection

Analysis and reflection

Analysis

Analysis of the data shows that the performance in the Number Theory Course is at a very good and satisfactory level. Learning outcomes in all measured aspects have consistently succeeded in meeting and even slightly exceeding the set targets. In addition, the performance shown is very even and stable across all learning outcomes, without any significant gaps between one area and another. This indicates the success of the comprehensive learning process during that period.

Reflection

This superior and consistent performance reflects that the design and implementation of the course has been very effective. There is strong alignment between the teaching process, the material provided, and the evaluation system, so that students are able to achieve learning goals very well. Therefore, follow-up for this course is no longer corrective, but focuses on efforts to maintain existing standards of excellence. The reflection is the importance of documenting good practices that are already underway and continuing to carry out continuous optimization to maintain consistent quality in the future.

5. Follow-up Plan

In response to the excellent and consistent achievements in the Number Theory Course, where all learning targets were successfully exceeded, the follow-up plan is not remedial in nature, but focuses on standardization of good practices and quality sustainability. This step will include official documentation of teaching methods and evaluation systems that have been proven effective to serve as reference models. The main goal is to maintain consistent high performance in future course implementation and make it a model for other basic courses.

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

Following up on the findings of the previous semester's evaluation for the Number Theory Course, which showed very superior performance and consistently exceeding targets, an action plan that focuses on standardizing good practices and optimizing has been implemented. Continuous innovation to maintain the standards of excellence that have been achieved.

Makassar, 21 Oktober 2025

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