COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	EVEN 2023/2024
Course Code	:	23H01121703
Course Name	:	Coding Theory
Coordinator	:	Dr. Muhammad Zakir, M.Si.
Lecturer Team Member	:	Muhammad Sadno, S.Si., 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
Coding Theory	Dr. Muhammad Zakir, M.Si.	:	8 times	Number of students: 21 persons
	Muhammad Sadno, S.Si., M.Si	:	8 times	Presence ≥ 80% : 20 persons (95.24 %)
	Total Meeting : 16 times.			Presence < 80% : 1 person (4.76 %)

Materials/practicum provided

1. Introduction to coding
2. Liner code
3. Perfect code
4. Cyclic linear code

The learning methods implemented

None

The assessment method implemented

1. Quiz
2. Project Based
3. 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	10.00 %	84.24
ILO 1	CLO-1	Independent Assignment	5.00 %	84.86
ILO 1	CLO-1	Quiz	10.00 %	85.14
P2	CLO-2	Independent Assignment	10.00 %	85.00
P2	CLO-2	Independent Assignment	5.00 %	85.33
P2	CLO-2	Project Based	10.00 %	85.67
P2	CLO-2	Project Based	20.00 %	84.57
KU1	CLO-3	Project Based	20.00 %	84.57
KU1	CLO-3	Quiz	10.00 %	85.95
KU1	CLO-4	Independent Assignment	10.00 %	85.00
KU1	CLO-4	Quiz	10.00 %	85.95
KU1	CLO-4	Project Based	20.00 %	84.67

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	100.00%

CLO	% of students who achieved a CLO score of at least 80
CLO-2	100.00%
CLO-3	100.00%
CLO-4	100.00%

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	7 (33.3%)
A-	14 (66.7%)
B+	0 (0.0%)
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)

Grafik Kuisioner Pembelajaran Matakuliah Teori Koding

Grafik Kuisioner Pembelajaran
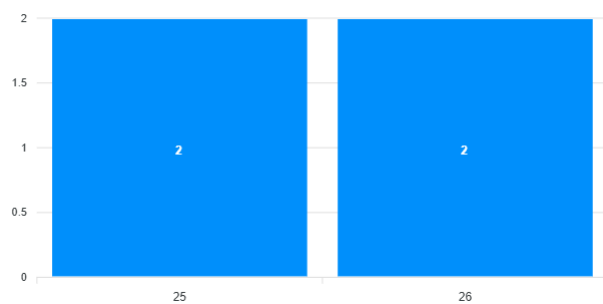
Grafik Kuisioner Pembelajaran
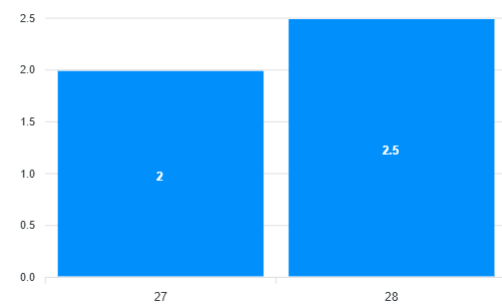
Keterangan Nilai
Pertanyaan 1-24:
- 4 : Sangat Setuju/ Sangat Baik
- 3 : Setuju / Baik
- 2 : Ragu-ragu / Cukup
- 1 : Tidak Setuju / Kurang

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 : 1:WE <= 60 menit

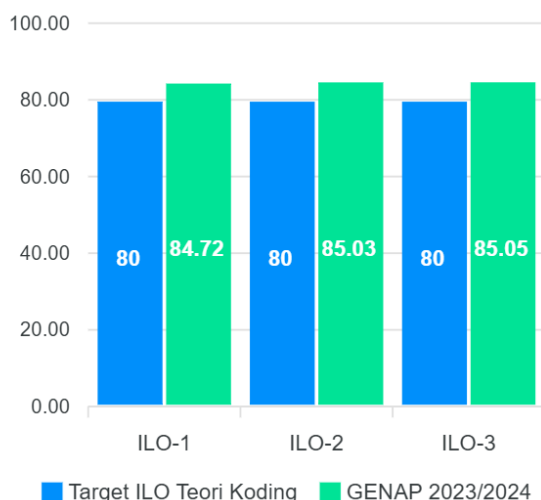Pertanyaan 27:
- 3 : Lebih Banyak
- 2 : Sama
- 1 : Lebih Sedikit

Pertanyaan 28:
- 3 : Sama
- 2 : Cukup Sesuai
- 1 : Kurang Sesuai

Grafik ILO MK (Teori Koding)

Hasil Pengukuran CPL MK Teori Koding

4. Analysis and Reflection

Analysis and reflection

Analysis

Analysis of the data shows that the performance in the Coding 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. Apart from that, the performance shown was very even and stable across all learning outcomes, without any significant gaps between one area and another, which 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 run very effectively. 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 Coding 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, as well as ongoing monitoring to ensure these standards of excellence are maintained. The main goal is to maintain consistent high performance and make this course a model for others.

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

Following up on the findings of the previous semester's evaluation for the Coding Theory Course, which showed very superior performance and consistently exceeding targets, an action plan focusing on standardization of good practices and optimization has been implemented. Quality stability and continuous innovation to maintain the standards of excellence that have been achieved.

Makassar, 21 Oktober 2025

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