COURSE PORTFOLIO

Study Program	:	MATHEMATICS - S1
Semester	:	ODD 2023/2024
Course Code	:	23H03112702
Course Name	:	Basic Chemistry
Coordinator	:	
Lecturer Team Member	:	

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
Basic Chemistry A	Total Meeting : times.	Number of students: 40 persons Presence ≥ 80% : Presence < 80% :
Basic Biology B	Total Meeting : times.	Number of students: 0 persons Presence ≥ 80% : Presence < 80% :
Basic Chemistry B	Total Meeting : times.	Number of students: 38 persons Presence ≥ 80% : Presence < 80% :

Materials/practicum provided

1. Atomic Structure
2. Periodic system of elements
3. Chemical bonds
4. Stoichiometry
5. Solution
6. Chemical equilibrium
7. Acid-base equilibrium
8. Chemical kinetics
9. Chemical thermodynamics
10. Electrochemistry
11. Hydrocarbon Compounds
12. Functional Groups of Compounds Organic
13. Biomolecular basis

The learning methods implemented

1. Small Group Discussion
2. Collaborative Learning

3. Self-Directed Learning
4. Case Study

The assessment method implemented

1. Case Study (CS)
2. Collaborative Learning (CoL)
3. UTS
4. UAS

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	Collaborative Learning (CoL)	14.00 %	80.88
ILO 1	CLO-1	Case Study (CS)	12.00 %	80.91
ILO 1	CLO-1	Case Study (CS)	16.00 %	80.92
ILO 1	CLO-1	UTS	15.00 %	80.93
ILO 1	CLO-1	Collaborative Learning (CoL)	16.00 %	80.97
ILO 1	CLO-1	UAS	15.00 %	80.98

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	78.21%
CLO-2	0.00%

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.

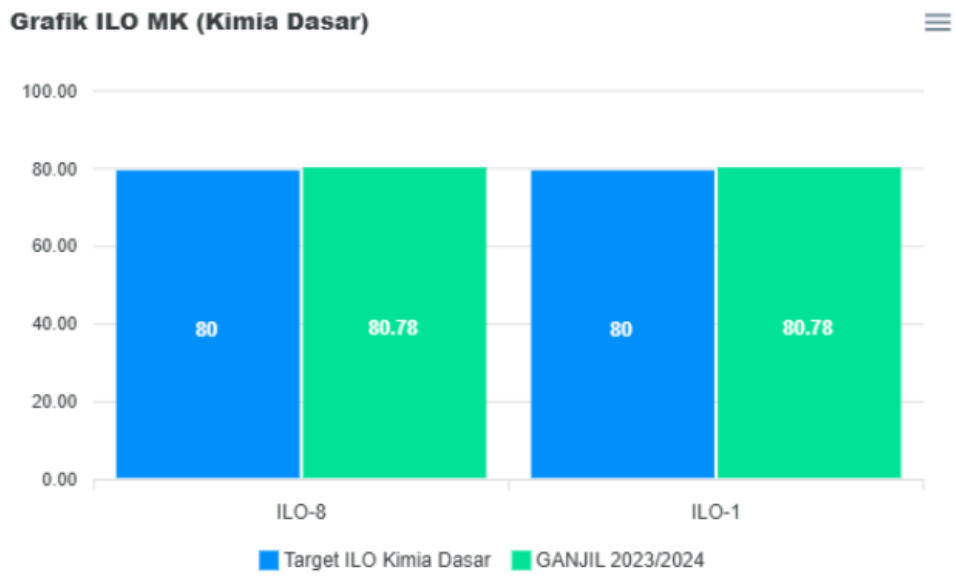
Course Grade

Course Grade	Number and Percentage of Students
A	75 (96.2%)
A-	0 (0.0%)
B+	0 (0.0%)

Course Grade	Number and Percentage of Students
B	0 (0.0%)
B-	0 (0.0%)
C+	0 (0.0%)
C	1 (1.3%)
D	1 (1.3%)
E	1 (1.3%)

3. Learning evaluation (survey) results

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



Hasil Pengukuran CPL MK Kimia Dasar

4. Analysis and Reflection

Analysis and Reflection

Analysis shows that the realization of achievements for both ILO indicators (**ILO-8 and ILO-1**) in the Odd semester 2023/2024 has exceeded the target set (80). An increase of **0.78** from the target shows high effectiveness in the learning and evaluation process of Basic Chemistry MK. Identical achievements (80.78) on both indicators indicate strong consistency in students' mastery of the two aspects of competency measured. Success in exceeding this target is an indication that teaching methods, material quality and evaluation instruments are in harmony and have succeeded in encouraging students to achieve competencies that exceed the expected minimum standards.

5. Follow-up Plan

The Follow-up Plan (RTL) should focus on maintaining and improving this excellent achievement:

1. conducting an in-depth review to identify **key factors** that led to the achievement of 80.78. Best practices (*best practices*) related to ILO-8 and ILO-1 must be documented, standardized and disseminated among the Basic Chemistry teaching team to ensure continued superior achievements.

2. For the next period, the ILO target can be raised gradually, for example to **81 or 82**, to encourage improvement sustainable quality (*continuous improvement*), instead of just being complacent with current achievements.

3. Given this success, the teaching and evaluation model applied at ILO-8 and ILO-1 can be considered for **adapted and applied** to other ILO indicators that may not have achieved similar performance (although other indicator data is not displayed).

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

Achievements that succeeded in exceeding targets for both indicators (80.78) can be interpreted as **confirmation of the success of improvement efforts that have been carried out in the previous period**. This superior achievement indicates that if in the previous semester there were unsatisfactory indicators, the corrective follow-up implemented has proven to be very effective. The results in Odd 2023/2024 reflect the success of the Basic Chemistry Teaching Team in aligning the curriculum, teaching and learning processes and evaluation methods, making it a model of success for other MK.

Makassar, 24 Oktober 2025

NIP