



Minutes of Ratification of Learning Outcomes

NO. 1246/UN7.5.12.2/TU/2022

On this day, Thursday 12 May 2022, I, the undersigned,

Name : Dr. R.B. Sularto, S.H., M.Hum.

NIP : 196701011991031005

Position : Dean of the Graduate School,

Validate Results Evaluation of Graduate Learning Outcomes (CPL)/Learning Outcomes Program (PLO) which has been formulated by the Competency Profile Development Team and Graduate Learning Outcomes at the Masters and Doctoral Program Work Meetings in Environmental Sciences on 11-14 May 2022 as part of the agenda == Preparation of SAR Revision ASIIN Masters in Environmental Sciences and Doctoral in Environmental Sciences == in Building B 4th Floor of the Graduate School, UNDIP Pleburan Campus, Semarang in accordance with the Decree of the Dean of the Graduate School 50/UN7.5.12.2/SK/2022.

Learning Outcomes of Graduates of the Program / Learning Outcome Program is attached as an inseparable part of this report.



Dean

Dr. R.B. Sularto, S.H., M.Hum.
NIP. 196701011991031005



Appendix I. LetterNo. 1246/UN7.5.12.2/TU/2022

I. Learning Outcomes of General Graduates of the Masters Study Program Environmental Science

1. Able to formulate environmental management theory
2. Able to formulate and carry out scientific research to solve environmental problems
3. Able to formulate environmental management policies
4. Able to formulate rules, methods and thoughts of environmental management to improve the quality of life, and save them in the form of theses, national and international journals or in the form of proceedings of reputable seminars

No	Description	Scope		
		Attitude	Knowledge	Skill
1	Able to formulate environmental management theory	√	√	√
2	Able to formulate and carry out scientific research to solve environmental problems	√	√	√
3	Able to formulate environmental management policies	√	√	√
4	Able to formulate rules, methods and thoughts of environmental management to improve the quality of life, and save them in the form of theses, national and international journals or in the form of proceedings of reputable seminars	√	√	√



Appendix II. LetterNo. 1246/UN7.5.12.2/TU/2022

II.1 Program-Specific Learning Outcomes on Environmental Planning Concentration

1. Able to analyze environmental conditions, propose alternative environmental policies and carry out implementation studies and environmental evaluations

No	Description	Scope		
		Attitude	Knowledge	Skill
II.1.1	Able to analyze environmental conditions, propose alternative environmental policies and carry out implementation studies and environmental evaluations	√	√	√

II.2 Program-Specific Learning Outcomes in Environmental Engineering Concentration

1. Able to solve environmental problems with a technical engineering approach

No	Description	Scope		
		Attitude	Knowledge	Skill
II.2.1	Able to solve environmental problems with a technical engineering approach	√	√	√

II.3 Learning Outcomes of CPL Graduates - Special Concentration of Environmental Management

1. Able to conduct quick studies to solve problems of pollution/environmental damage as a result of disaster events with management and/or technical approaches.

No	Description	Scope		
		Attitude	Knowledge	Skill
II.3.1	Able to solve problems of pollution/environmental damage with a management approach..	√	√	√

II.4 Learning Outcomes of CPL Graduates - Special Concentration on Disaster Management

1. Able to conduct quick studies to solve problems of pollution/environmental damage as a result of disaster events with management and/or technical approaches

No	Description	Scope		
		Attitude	Knowledge	Skill
1	Able to solve problems of pollution/environmental damage as a result of disaster events with management and/or technical approaches	√	√	√



Appendix III. LetterNo. 1246/UN7.5.12.2/TU/2022

III. Learning Outcomes of General Graduates of the Masters Study Program Environmental Science By Research

1. Able to formulate environmental management theory
2. Able to formulate and carry out scientific research to solve environmental problems
3. Able to formulate rules, methods and thoughts of environmental management to improve the quality of life, and save them in the form of theses, national and international journals or in the form of proceedings of reputable seminars

No	Deskripsi	Lingkup		
		Sikap	Pengetahuan	Ketrampilan
1	Able to formulate environmental management theory	√	√	√
2	Able to formulate and carry out scientific research to solve environmental problems	√	√	√
3	Able to formulate rules, methods and thoughts of environmental management to improve the quality of life, and save them in the form of theses, national and international journals or in the form of proceedings of reputable seminars	√	√	√



Appendix IV. LetterNo. 1246/UN7.5.12.2/TU/2022

IV.1 Program-Specific Learning Outcomes By Research The Theme of Environmental Planning Research

1. Able to formulate methods and carry out environmental condition analysis, propose alternative environmental policies and conduct environmental implementation studies and evaluations

No	Description	Scope		
		Attitude	Knowledge	Skill
IV.1.1	Able to formulate methods and carry out environmental condition analysis, propose alternative environmental policies and conduct environmental implementation studies and evaluations	√	√	√

IV.2 Program-Specific Learning Outcomes in Environmental Engineering Concentration

1. Able to formulate methods and carry out analysis of solving environmental problems with a technical engineering approach

No	Description	Scope		
		Attitude	Knowledge	Skill
IV.2.1	Able to formulate methods and carry out analysis of solving environmental problems with a technical engineering approach	√	√	√

IV.3 Learning Outcomes of CPL Graduates - Special Concentration of Environmental Management

1. Able to formulate methods and carry out analysis of solving problems of pollution/environmental damage with a management approach.

No	Description	Scope		
		Attitude	Knowledge	Skill
IV.3.1	Able to formulate methods and carry out analysis of solving problems of pollution/environmental damage with a management approach.	√	√	√

IV.4 Learning Outcomes of CPL Graduates - Special Concentration on Disaster Management

1. Able to formulate methods, carry out rapid assessments, carry out analysis for solving problems of pollution/environmental damage as a result of disaster events with management and/or technical approaches

No	Description	Scope		
		Attitude	Knowledge	Skill
IV.4.1	Able to formulate methods, carry out rapid assessments, carry out analysis of solving problems of pollution/environmental damage as a result of disaster events with management and/or technical approaches	√	√	√