



Semester Learning Plan (RPS) Environmental Pollution Course

College Name	:	Bengkulu University
Faculty	:	Agriculture
Study program	:	Natural Resource Management
Study Program Code	:	95101
Course Name	:	Environmental Pollutions
Course Code	:	PSA 520
Type of Course	:	National Compulsory, Study Program Mandatory, Elective, Specialization, Final Project/Thesis/Thesis/Dissertation
Credit Weight	:	Face-to-face: 2 credits, practicum : 1 credit, field practice: ... credits, simulation: ... credits
Learning methods	:	Case Solving Method (<i>Case Method</i>) and <i>Project Based Learning (Team-Based Project)</i>
Semester	:	2
School year	:	2021/2022
Supporting lecturer	:	1.
		2.
		3.
Study Program Coordinator	:	Prof. Dr. Ir. Urip Santosa, MSc.
RPS Development Date	:	
CPMK Courses	:	After completing this lecture, students are expected to be able to master environmental pollution, which occurs in the air, water and soil and how to prevent it, and be able to develop pollution management.
Learning Outcomes (CP)		
A. CPL-Prodi Charged to MK	:	
1. CPL-1 (KK-4)	:	Able to recognize, understand, and apply the basic principles of environmental impact analysis.
2. CPL-2 (KK-6)	:	Have the ability to know and understand the production process of the agricultural industry, and analyze its impact on the environment.

B. Course Learning Outcomes (CPMK)	:	
1. CPMK1	:	Able to recognize, understand, and apply the basic principles of environmental impact analysis (CPL-1).
2. CPMK2	:	Have the ability to know and understand the production process of the agricultural industry, and analyze its impact on the environment (CPL-2).
C. Final Ability of Each Learning Stage (Sub-CPMK)		<i>The content is in accordance with the abilities that students will receive in certain subjects and ends with the provision of codes that refer to CPL and CPMK, for example [CPMK-4] or can contain Affective verbs-1 (A-1). Pay attention to using words that start with the word 'able' and continue with operational verbs. Avoid non-operational/action verbs, such as: 'understand', 'understand', and learn'.</i>
1. Sub-CPMK1	:	Able to explain the Concept of Air, Water and Soil Composition. (CPMK-1)
2. Sub-CPMK2	:	Able to explain the concept of pollution and its causes (CPMK-1)
3. Sub-CPMK3	:	Be able to explain the occurrence of pollution and the causes of air pollution. (CPMK-1, CPMK-2)
4. Sub-CPMK4	:	Able to explain the process of overcoming air pollution, and can develop pollution management. (CPMK-1)
5. Sub-CPMK5	:	Able to explain the occurrence of pollution and the causes of water pollution. (CPMK-1, CPMK-2)
6. Sub-CPMK6	:	Able to explain the process of overcoming water pollution (CPMK-1)
7. Sub-CPMK7	:	Able to explain the cause soil pollution and process countermeasures soil pollution, as well as develop handling water pollution and land . . (CPMK-2)
8. Sub-CPMK8	:	Able to explain the causes of pollution from the agricultural industry, and can develop the handling of pollution from the agricultural industry (CPMK-2)
9. Sub-CPMK9	:	Able to explain the three core elements of sustainable development, namely: environmental protection, sustainable and integrated management of environmental natural resources, a more sustainable world, and able to develop a sustainable natural resource management approach. (CPMK-1)
10. Sub-CPMK10	:	Able to explain concepts and applications in Indonesia regarding the improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition. (CPMK-2)
11. Sub-CPMK11	:	Able to explain the handling of emissions from the meat and dairy industry in Indonesia and other countries (CPMK-2)
12. Sub-CPMK12	:	Able to explain Global warming: Definition, impact on development and the future of mankind (CPMK-1)
13. Sub-CPMK13	:	Able to explain Carbon trading: concept and application and potential utilization for Indonesia (CPMK-1)
14. Sub-CPMK14	:	Able to explain environmental management policies in regional autonomy (CPMK-1)
Correlation of CPMK to Sub-CPMK		
1. CPMK1	:	Sub-CPMK1, Sub-CPMK2, Sub-CPMK3, Sub-CPMK4, Sub-CPMK5, Sub-CPMK6, Sub-CPMK9, Sub-CPMK12, Sub-CPMK13, Sub-CPMK14
2. CPMK2	:	Sub-CPMK3, Sub-CPMK5, Sub-CPMK7, Sub-CPMK8, Sub-CPMK10, Sub-CPMK11
Short Course Description	:	This course provides and discusses covering the basics of environmental pollution, environmental quality parameters, the influence of environmental factors and the presence of industry on public health and the journey of pollutant substances in the body's organs.

		In this course, the learning process is carried out using blended learning using the <i>case method</i> and project-based group learning methods (<i>team-based project</i> or <i>project based learning</i>). Then, <i>blended learning</i> is carried out offline in the classroom and/or Unib LMS at https://elearning.unib.ac.id/ , while online using Zoom Cloud Meeting. Assessment of the Discourse Analysis Course is sourced from case completion, project completion, activity in class, summarizing assignments, midterm exams, and final semester exams that reflect the CPL attitudes, knowledge, general skills, and special skills that are charged to the course.
Learning Materials or Study Materials in	:	
1. Meeting 1	:	The Concept of Air, Water and Soil Composition.
2. Meeting 2	:	The concept of pollution and its causes
3. Meeting 3	:	Causes of Air Pollution and Pollution
4. Meeting 4	:	Air Pollution Control Process, And Pollution Handling.
5. Meeting 5	:	Occurrence of Pollution And Causes of Water Pollution.
6. Meeting 6	:	Water Pollution Control Process
7. Meeting 7	:	Reason Soil Pollution And Process Countermeasures Soil Pollution, As well as Handling Dan Water Pollution land .
8. Meeting 8	:	(<i>Midterm Exam</i>)
9. Meeting 9	:	Causes of Pollution from the Agricultural Industry, And Can Develop Pollution Handling in the Agricultural Industry
10.Meeting 10	:	The three core elements of sustainable development are: environmental protection, integrated and sustainable management of environmental natural resources, a more sustainable world, and a sustainable natural resource management approach.
11.Meeting 11	:	Concepts and applications in Indonesia regarding the improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition
12.Meeting 12	:	Handling Emissions from the Meat and Dairy Industry in Indonesia and Other Countries
13.Meeting 13	:	Global Warming: Definition, Impact on Development and the Future of Humanity
14.Meeting 14	:	Carbon Trading: Concept and Application and Potential Utilization for Indonesia
15.Meeting 15	:	Environmental Management Policy in Regional Autonomy
16.Meeting 16	:	Final Exams (Final Exams)
Reference Source or Library	:	
1. Main Library	:	[1] Manahan, SE, (2000), Environmental Chemistry, 7th Ed., Lewis Publ., Boca Raton. [2] Putranto, AMH (2013), Introduction to Environmental Chemistry Textbook, Publishing Agency of Faperta Unib. [3] Raharjo, PN (2010), Liquid Waste Treatment Technology With Chemical Process (PPT) [4] Wiryani, E. (2011), Environmental Pollution (PPT). [5] Raymond, W. M, Roy, LD (1995), Soil in Our Environment, English Clif, New Jersey, 07632
2. Support Libraries	:	
Learning Media	:	
1. Software	:	1. Presentation of Meeting Materials 1 to 15 in the form of Power Point

		2. Presentation Videos 3. https://elearning.unib.ac.id/ specifically for the Environmental Pollution Course Even Semester 2021/2022 4. Zoom Cloud Meeting
2. Hardware	:	1. Laptops 2. Mouse 3. LCD 4. Speaker 5. Handset 6. Whiteboard

Steps or Learning Activity Plans for Each Meeting

Week-	Final Ability of Each Stage of Learning (Sub-CPMK)	Evaluation		Learning Forms, Learning Methods, Student Assignments [Estimated Time]		Learning materials [References]	Rating Weight (%)
		Indicator	Criteria and Techniques	Offline (<i>Offline</i>)	Online (<i>Online</i>)		
1	Sub-CPMK1 . Capable explain the concept Air Composition, Water and Land.	a. Accurately explain the Concept of Air, Water and Soil Composition	1. Criteria: a) guidelines for evaluating case analysis of Air, Water and Soil Composition Concepts; b) assessment guidelines make a summary. 2. Techniques: a) test description of the Concept of Air, Water and Soil Composition; b) performance tests make a summary of lecture material.	a. Studying b. Learning Process with case solving method (<i>case method</i>) [PB: 1X(2X50')] c. Assignment 1. Task 1 : Case analysis on Air, Water and Soil Composition Concepts . 2. Task 2: Make a summary of the lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	Assignment: Case analysis on Air, Water and Soil Composition Concepts and make a summary of lecture materials through the Bengkulu University LMS at https://elearning.unib.ac.id/	Theory: Composition of Air, Water and Land, Danger to Environmental pollution and type of Pollution References: .	5

2	Sub-CPMK2 . Able to explain Concept pollution and the cause	a. Accurately explain the concept of pollution and its causes	1. Criteria: a) guidelines for evaluating case analysis The concept of pollution and its causes; b) assessment guidelines make a summary. 2. Techniques: a) test case description The concept of pollution and the cause; b) performance tests make a summary of lecture material.	a. Studying b. Learning process with case solving method (<i>case method</i>). [PB: 1X(2X50')] c. Assignment 1. Task 3: Case analysis of Draft pollution and the cause 1. Task 4: Make a summary of the lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	Assignment: Case analysis on Concept pollution and the cause and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Pollution of air, water and soil 2. Causes of pollution from the point of view, Biology, Physics and Chemistry References:	5
3	Sub-CPMK3 . Able to explain what happened pollution and causes of air pollution. (	a. Accuracy explained happening pollution and reason air pollution	1. Criteria: a) guidelines for evaluating case analysis pollution and reason air pollution; b) assessment guidelines make a summary. 2. Techniques: a) test case description of the occurrence pollution and reason air pollution; b) performance tests make a summary of lecture material.	a. Studying b. Learning process with case solving method (<i>case method</i>). [PB: 1X(2X50')] c. Assignment 1. Task 5 : Case analysis of the occurrence pollution and reason air pollution 2. Task 6 : Make a summary of lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	Assignment: Case analysis of the occurrence pollution and reason air pollution and make a summary of lecture materials through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Causes and processes of air pollution. 2. Air Pollution Source References:	5
4	Sub-CPMK4 . Able to explain n process	a. Accuracy explains the process of controlling	1. Criteria: a) guidelines analysis	a. Studying	Assignment: Analyzing cases of air pollution control	Theory: 1. Air Pollution Study	5

	countermeasures air pollution, and can develop pollution management.	air pollution, and can develop pollution management.	assessment cases of air pollution control processes, and pollution handling; b) assessment guidelines make a summary. 2. Techniques: a) analysis test cases of air pollution control processes, and pollution handling; b) performance tests make a summary of lecture material.	b. Learning process with case solving method (<i>case method</i>). [PB: 1x(2x50')] c. Assignment 1. Task 7 : Analyzing cases of air pollution prevention, and pollution handling 2. Task 8 : Make a summary of lecture material [PT: 1x(2x60')] [BM: 1x(2x60')]	processes, and handling pollution and compiling a summary of lecture materials through the Bengkulu University LMS at https://elearning.unib.ac.id/	2. Causes of Air Pollution 3. Air pollution control procedures References .	
5	Sub-CPMK5. Able to explain the occurrence of pollution and the causes of water pollution.	a. Accuracy explains the occurrence of pollution and the causes of water pollution.	1. Criteria: a) guidelines for evaluating case analysis of pollution and the causes of water pollution ; b) assessment guidelines make a summary. 2. Techniques: a) test description of cases of pollution and causes of water pollution; b) performance tests make a summary of lecture material.	a. Studying b. Learning process with case solving method (<i>case method</i>) . [PB: 1x(2x50')] c. Assignment 1. Task 9: Analysis of cases of pollution and causes of water pollution. 2. Task 10: Summarize lecture material [PT: 1x(2x60')] [BM: 1x(2x60')]	Assignment: the occurrence of pollution and the causes of water pollution and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Cause and Process happening water pollution. 2. Pollution Source water. References: [1] p. [2] p. [3] p. [11] p	5
6	Sub-CPMK6. Able to explain the process of controlling water pollution .	a. Accuracy in explaining the process of controlling water pollution	1. Criteria: a) guideline for project appraisal to prepare a paper on the process of controlling water	a. Studying b. Learning Process with Project-Based Group Learning Method (	Assignment: The project compiles a paper on the process of controlling water pollution and makes a summary of lecture materials	Theory: 1. Causes of Water Pollution. 2. Water pollution control procedures.	5

			pollution ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test to compile a paper on the process of overcoming water pollution; b) performance test to make a summary of lecture material; and c) paper presentation performance test.	<i>Team-Based Project</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 11 : Breastfeeding project n paper on the process of controlling water pollution 2. Task 12 : Make a summary of lecture material [PT: 1x(2x60')] [BM: 1x(2x60')]	through the Bengkulu University LMS at https://elearning.unib.ac.id/	References:	
7	Sub-CPMK7. Able to explain the causes of soil pollution and the prevention process soil pollution, and can develop handling water and soil pollution .	a. Accuracy explains the cause soil pollution and process countermeasures soil pollution, as well as develop handling water pollution and land .	1. Criteria: a) project appraisal guidelines compiling a paper on causes soil pollution and process countermeasures soil pollution, as well as develop handling water pollution and soil; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling a paper on the causes soil pollution and process countermeasures soil pollution, as well as develop handling water pollution and soil; and c) paper presentation performance test.	a. Studying b. Learning Process with Learning Method To , Group - Based Project (<i>Team-Based Project</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 1 3 : Breastfeeding project n paper on causes soil pollution and process countermeasures soil pollution, as well as develop handling water pollution and soil 2. Task 14 : Make a summary of lecture material [PT: 1x(2x60')]	Assignment: The project compiles a paper on the causes soil pollution and process countermeasures soil pollution, as well as develop handling water pollution and land and make a summary of lecture materials through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Soil Pollution Study 2. Causes of Soil Pollution 3. Procedures for dealing with soil pollution References:	5

				(BM: 1x(2x60'))			
8	UTS/Mid-Semester Examination: Validate the results of the assessment, evaluation, and improvement of the next learning process.						15
9	Sub-CPMK8. Capable explain the causes of pollution from the agricultural industry, and can develop the handling of pollution from the agricultural industry .	a. Accuracy in explaining the causes of pollution from the agricultural industry, and can develop handling of pollution in the agricultural industry	1. Criteria: a) guidelines for project assessment to prepare papers on the causes of pollution from the agricultural industry, and can develop handling of pollution from the agricultural industry; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling a paper on the causes of pollution from the agricultural industry, and can develop handling of pollution from the agricultural industry ; and c) paper presentation performance test.	a. Studying b. Learning Process with Project-Based Group Learning Method (<i>Team-Based Project</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 15 : The project makes a paper on the causes of pollution from the agricultural industry, and can develop the handling of pollution in the agricultural industry [PT: 1x(2x60')] (BM: 1x(2x60')) 2. Task 16: Summarize lecture material [PT: 1x(2x60')] (BM: 1x(2x60'))	Assignment: Video presentation of papers on the causes of pollution from the Agricultural Industry, and can develop the handling of pollution from the agricultural industry through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Pollution from Agroindustry 2. Pollution from Upstream Agroindustry 3. Pollution from Downstream Agroindustry References:	5
10	Sub-CPMK9. Able to explain the three core elements of sustainable development, namely: Environmental protection, sustainable and integrated management of environmental natural resources,	a. Accuracy describes the three core elements of sustainable development, namely: environmental protection, sustainable and integrated management of environmental natural	1. Criteria: a) guidelines the project appraisal produced a paper on the three core elements of sustainable development, namely: environmental protection, sustainable and integrated	a. Studying b. Learning Process with Project-Based Group Learning Method (<i>Team-Based Project</i>) . [PB: 1X(2X50')] c. Assignment	Assignment: Video project presentation of a paper on the three core elements of sustainable development, namely: Environmental protection, sustainable and integrated management of environmental natural resources,	Theory: 1. Pollution from the Mining industry 2. Pollution Countermeasures from the Mining industry References:	5

	A more sustainable world, <i>and able to develop sustainable natural resource management approach</i> .	resources, a more sustainable world, <i>and being able to develop sustainable natural resource management approach</i>	management of environmental natural resources, a more sustainable world, <i>and developing sustainable natural resource management approach</i> .; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test compiling a paper on the three core elements of sustainable development, namely: Environmental protection, sustainable and integrated management of environmental natural resources, a more sustainable world, <i>and developing sustainable natural resource management approach</i> .; b) performance tests make a summary of lecture material.	1. Task 17 : The project produces a paper on the three core elements of sustainable development, namely: Environmental protection, sustainable and integrated management of environmental natural resources, A more sustainable world, <i>as well as a sustainable natural resource management approach</i> . 2. Task 18 : Make a summary of lecture material. [PT: 1x(2x60')] [BM: 1x(2x60')]	A more sustainable world, <i>as well as developing sustainable natural resource management approach</i> . through LMS Bengkulu University at https://elearning.unib.ac.id/		
11	Sub-CPMK10. Able to explain concepts and applications in Indonesia regarding the improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition .	a. Accuracy in explaining the concept and application in Indonesia regarding the improvement of sustainable food systems and climate resilience for	1. Criteria: a) guideline for project assessment to produce a paper on the concept and application in Indonesia regarding the improvement of sustainable food systems and climate	a. Studying b. Learning Process with Project-Based Group Learning Method (<i>Team-Based Project</i>) . [PB: 1x(2x50')] c. Assignment	Assignment: Video project presentation of paper on Concepts and applications in Indonesia regarding Improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition through LMS Bengkulu	Theory: 1. Pollution from Home Mining industry 2. Countermeasures of Pollution from Home Mining industry References: [1] p. [2] p.	5

		alleviating food insecurity and malnutrition	resilience for alleviating food insecurity and malnutrition ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test to compile a paper on Concepts and applications in Indonesia regarding Improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition; b) performance tests make a summary of lecture material.	1. Task 19 : Project to produce a paper on Concepts and applications in Indonesia regarding Improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition 2. Task 20 : Make a summary of lecture material. [PT: 1x(2x60')] [BM: 1x(2x60')]	University at https://elearning.unib.ac.id/	[3] p.	
12	Sub-CPMK12. Able to explain the handling of emissions from the meat and dairy industry in Indonesia and other countries	a. Accuracy in explaining the handling of emissions from the meat and dairy industry in Indonesia and other countries	1. Criteria: a) guidelines for evaluating case analysis Handling emissions from the meat and dairy industry in Indonesia and other countries ; b) assessment guidelines make a summary. 2. Techniques: a) test case description Handling emissions from the meat and dairy industry in Indonesia and other countries; b)	a. Studying b. Learning process with case solving method (<i>case method</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 21 : Case analysis Handling emissions from the meat and dairy industry in Indonesia and other countries 2. Task 22 : Make a summary	Assignment: Case analysis Handling emissions from the meat and dairy industry in Indonesia and other countries and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Pollution from Urban industry (Hospital, Hospitality, Automotive etc.) 2. Pollution Countermeasures from Urban Industry. References: [1] p. [2] p. [3] p.	5

			performance tests make a summary of lecture material.	of lecture material. [PT: 2x(2x60')] (BM: 2x(2x60')]			
13	Sub-CPMK13. Able to explain Global warming: Definition, impact on development and the future of mankind	a. Accuracy in explaining Global warming: Definition, impact on development and the future of mankind	1. Criteria: a) Global warming project assessment guidelines : Definition, impacts on development and the future of humanity ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment test Global warming: Definition, impact on development and the future of mankind ; b) performance tests make a summary of lecture material.	a. Studying b. Learning Process with Project-Based Group Learning Method (<i>Team-Based Project</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 23 : Global warming project: Definition, impact on development and the future of mankind 2. Task 24 : Make a summary of lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]	Assignment: Global warming project : Definition, impact on development and the future of mankind and make a summary of lecture material through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Drinking Water Pollution Study 2. Causes of Water Pollution 3. Pollution control procedures for clean water References:	5
14	Sub-CPMK14. Able to explain Carbon trading: concept and application and potential use for Indonesia	a. Accuracy in explaining Carbon trading: concept and application and potential use for Indonesia	1. Criteria: a) guidelines for project assessment Carbon trading: concept and application and potential use for Indonesia ; b) assessment guidelines make a summary. 2. Techniques: a) project assignment	a. Studying b. Learning Process with Project-Based Group Learning Method (<i>Team-Based Project</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 25 : Carbon trading project: concept and application	Assignment: Carbon Trading Project : concept and application as well as potential use for Indonesia and make a summary of lecture materials through LMS Bengkulu University at https://elearning.unib.ac.id/	Theory: 1. Understanding of hazardous and toxic materials 2. Classification of hazardous and toxic materials 3. Protection against hazardous and toxic materials in the environment References:	5

			test Carbon trading: concept and application and potential use for Indonesia; b) performance tests make a summary of lecture material.	and potential use for Indonesia 2. Task 26 : Make a summary of lecture material. [PT: 1x(2x60')] (BM: 1x(2x60')]			
15	Sub-CPMK15. Able to explain Policy environmental management in regional autonomy.	a. Accuracy of explaining Policy management of the environment in regional autonomy	1. Criteria: a) guidelines assessment of case analysis Environmental management policies in regional autonomy ; b) assessment guidelines make a summary. 2. Techniques : a) test case description of environmental management policy issues in regional autonomy . ; b) performance tests make a summary of lecture material.	a. Studying b. Learning process with case solving method (<i>case method</i>) . [PB: 1X(2X50')] c. Assignment 1. Task 27: Policy case analysis environmental management in regional autonomy . 2. Task 28: Summarize lecture material [PT: 1x(2x60')] (BM: 1x(2x60')]		Theory: 1. Understanding of Waste 2. Minimization Process Waste in environment 3. Waste treatment in the neighborhood References: [1] p. [2] p.	5

16.	UAS / Final Semester Examination: Validate the results of the final assessment and determine student graduation.	15
Total value		100

Evaluation Plan						
Evaluation Base	:	Evaluation Component	Weight (%)	Description (Indonesian)	Description (English)	
1. Participatory Activities	:	Student Activity Observation (<i>Case Method</i>)	25	Group presentation activities and student discussions in solving cases of Environmental Pollution (Task 1, Task 3, Task 5, Task 7, Task 9, Task 21, and Task 27).	Group presentation activities and student discussions in solving cases about Environmental Pollution (Task 1, Task 3, Task 5, Task 7, Task 9, Task 21, and Task 27).	

2. Project Results	:	Project Result Report (<i>Project Based Learning/ Team-Based Project</i>)	25	Project reports: 1) prepare a paper on the process of controlling water pollution; 2) compile papers on the causes of soil pollution and the process of overcoming soil pollution, and can write papers on the causes of pollution from the agricultural industry, and can develop the handling of pollution in the agricultural industry; 4) create a paper on the three core elements of sustainable development, namely: environmental protection, sustainable and integrated management of environmental natural resources, a more sustainable world, and approaches to sustainable natural resource management ; 5) make a paper on the concept and application in Indonesia regarding the improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition; 6) Global warming project: Definition, impact on development and future of mankind; 7) Carbon trading project: concept and application and potential use for Indonesia (Task 11, Task 13, Task 15, Task 17, Task 19, Task 23, and Task 25).	The project report: 1) compiling a paper on the process of overcoming water pollution; 2) compile papers on the causes of soil pollution and the process of overcoming soil pollution, and can write papers on the causes of pollution from the agricultural industry, and can develop handling of pollution in the agricultural industry; 4) write a paper on the three core elements of sustainable development, namely: environmental protection, sustainable and integrated management of environmental natural resources, a more sustainable world, and approaches to sustainable natural resource management; 5) make a paper on the concept and application in Indonesia regarding the improvement of sustainable food systems and climate resilience for alleviating food insecurity and malnutrition; 6) Global warming project: Definition, impact on development and future of mankind; 7) Carbon trading project: concept and application and potential use for Indonesia (Task 11, Task 13, Task 15, Task 17, Task 19, Task 23, and Task 25).
3. Cognitive/Knowledge	:	1. Independent and Group Tasks	10	The independent task summarizes 14 materials from Sub-CPMK1 to Sub-CPMK14 (Task 2, Task 4, Task 6, Task 8, Task 10, Task 12, Task 14, Task 16, Task 18, Task 20, Task 22, Task 24, Task 26, and Task 26).	The independent task summarizes 11 materials from Sub-CPMK1 to Sub-CPMK14 (Task 2, Task 4, Task 6, Task 8, Task 10, Task 12, Task 14, Task 16, Task 18, Task 20, Task 22, Task 24 , and Task 26).
		2. Quiz	10	Quiz	Quiz

		3. Mid-Semester Examination (UTS)	15	Answering essay questions from material on Environmental Pollution at meeting 1 to meeting 7.	Answering essay questions from material on Environmental Pollution at meeting 1 to meeting 7.
		4. Final Semester Exam (UAS)	15	Answering essay questions from material on Environmental Pollution at meeting 9 to meeting 15.	Answering essay questions from material on Environmental Pollution at meeting 9 to meeting 15.
		Total Value	100		

Student Activities

1. First Meeting Student Activities		
a. Activity Type	:	Participatory Activities: Observing Student Activities (<i>Case Method</i>)
b. Activity Title	:	Case analysis on the Concept of Air, Water and Soil Composition
c. Activity Location	:	1. PSDA Unib Postgraduate Building 2. Bengkulu University LMS at https://elearning.unib.ac.id/
d. Implementation date	:	
e. Task SK Number	:	
f. Assignment Decree Date	:	
g. Member Type	:	Small group for case analysis
h. Activity ID	:	Tgs-Pt1 (Meeting Task 1)
i. Activity Steps	:	1. Small Group Formation 2. Case Analysis in Groups 3. Panel Case Presentation by Panel 4. Giving Material Reinforcement by Lecturers 5. Individual Assignment
j. Rating Indicator	:	1. Case analysis a. Accuracy explained Air, Water and Soil Composition Concept 2. Individual Tasks Summarizing Material a. Conformity with the content of the material b. Systematic Compilation c. Language Usage
k. Assessment Criteria and Weights	:	1. Case analysis Criteria: Exactly explain : Weight 2 Inaccurately explain : Weight 1 Improperly explained : Weight 0 2. Individual Tasks Summarizing Material

[illegible]

Portfolio of Student CPL Achievement Assessment and Evaluation

[illegible]

etc.	:	...	...	...	...	...	...	...	...	...	...
16	:	Final Semester Exam (UAS)	...	...	...	...	...	...	...	...	...
Total Weight	:						100	100			
Student Final Score ((Student Score)x(Weight%))	:								...		

Assessment of CPL Achievement in Courses

No.	CPL in Courses	Achievement Value (0-100)	Achievement of CPL on MK
1.	CPL1: Able to recognize, understand, and apply the basic principles of environmental impact analysis.	...	...
2.	CPL2: Having the ability to know and understand the production process of the agricultural industry, and to analyze its impact on the environment.	...	...
	Total CPL Achievements	...	...

**Student Success Qualification Based on
Bengkulu University Chancellor Regulation Number 25 of 2020 Article 44**

No.	Value Range	Letter	Weight
1.	85 – 100	A	4
2.	80 – 84	A-	3.75
3.	75 – 79	B+	3.5
4.	70 – 74	B	3
5.	65 – 69	B-	2.75
6.	60 – 64	C+	2.5
7.	55 – 59	C	2
8.	45 – 54	D	1
9.	0-44	E	0