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BAIKABP UNDIP

PRODI S3 Ilmu Lingkungan  
 KODE MK CIL23823  
 NAMA MK Manajemen Lingkungan  
 KURIKULUM Kurikulum 2017  
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Silakan copy sheet, rename nama sheet jadi kode MK, pilih kode MK dan isi pada cell yang berwarna putih. Sheet **bisa dicopy** dalam workbook yang sama untuk mengisi MK yang lain (Satu sheet satu MK). Mohon tidak menambah atau mengurangi kolom karena berdampak pada tidak terbacanya excel oleh sistem.

**Panduan selengkapnya bisa dilihat di (Klik box ini)**  
[https://1drv.ms/w/s!A1a6piOvcyPupFU4UCjgRMQ\\_NWuE?e=caPoli](https://1drv.ms/w/s!A1a6piOvcyPupFU4UCjgRMQ_NWuE?e=caPoli)

No.	Evaluasi	Komponen	Bobot (%)	Deskripsi*	Deskripsi (Inggris)
1	Aktivitas Partisipatif	-	30	Dosen memberikan materi kuliah dan tugas yang mencakup topik isu-isu lingkungan kontemporer (nasional dan global), hubungan agroindustri, manajemen lingkungan dan pembangunan berkelanjutan, industri yang berwawasan lingkungan, jenis dan karakteristik polutan industri dan pengaruhnya pada lingkungan dan kesehatan, prinsip-prinsip pengelolaan lingkungan, perangkat modern pengelolaan lingkungan industri, serta konsep dan penerapan ekologi industri untuk mewujudkan industri yang berkelanjutan.	Lecturers provide lecture materials and assignments covering topics of contemporary environmental issues (national and global), agro-industry relations, environmental management and sustainable development, environmentally sound industries, types and characteristics of industrial pollutants and their effects on the environment and health, management principles environment, modern industrial environmental management tools, as well as the concept and application of industrial ecology to realize a sustainable industry.
2	Hasil Proyek	-	30	1) Mahasiswa mampu menerangkan isu-isu lingkungan kontemporer dan hubungan pembangunan agroindustri, manajemen lingkungan dan pembangunan berkelanjutan (SDGs/Sustainable Development Goals) 2) Mahasiswa mampu menyebutkan berbagai jenis limbah / polutan industri dan mengidentifikasi, merinci, dan mengukur/memperkirakan pengaruhnya pada lingkungan dan kesehatan, menyebutkan dan menjelaskan parameter penting kinerja lingkungan, serta menjelaskan konsep dan penerapan baku mutu lingkungan 3) Mahasiswa mampu menjelaskan prinsip-prinsip pengelolaan lingkungan industri, mengurutkan dan memilih prioritas opsi-opsi pengelolaan lingkungan industri 4) Mampu menjabarkan menggunakan prinsip dasar perangkat modern manajemen lingkungan penting, seperti AMDAL, RKL, RPL, SML (ISO 14000), LCA/Life Cycle Assessment) 5) Mampu mererangkan mendiskusikan konsep ekologi industri dalam manajemen lingkungan industri berkelanjutan (sustainable industry)	1) Students are able to explain contemporary environmental issues and the relationship between agro-industry development, environmental management and sustainable development (SDGs/Sustainable Development Goals) 2) Students are able to name various types of industrial waste/pollutants and identify, detail, and measure/estimate their effects on the environment and health, mentions and explains the important parameters of environmental performance, as well as explains the concept and application of environmental quality standards 3) Students are able to explain the principles of industrial environmental management, sort and choose the priority of industrial environmental management options 4) Students are able to describe and use the basic principles of modern tools of important environmental management, such as AMDAL, RKL, RPL, SML (ISO 14000), LCA/Life Cycle Assessment) 5) Students are able to describe and discuss industrial ecology concepts in sustainable industrial environmental management (sustainable industry).
3	Kognitif/Pengetahuan	Tugas	5	Mahasiswa diskusi kelompok	Student group discussion
		Quiz	5	Kuis diberikan oleh dosen di KULON/MSTEAMS untuk topik tertentu	Quiz given by lecturers at KULON/MSTEAMS for specific topics
		UTS	15	UTS diberikan kepada mahasiswa dengan mengerjakan soal dan jawaban dan analisis diupload pada KULON atau TEAMS	Mid exam is provided to students by working on questions and answers and the analysis uploaded to KULON or TEAMS
		UAS	15	UAS diberikan kepada mahasiswa dengan mengerjakan soal dan jawaban dan analisis diupload pada KULON atau TEAMS	Final exam is given to students by working on questions and answers and analysis uploaded on KULON or TEAMS
<b>TOTAL</b>			<b>100</b>	<b>OK</b>	

**RENCANA PEMBELAJARAN**

Pertemuan Materi

Materi (Inggris)

TIP:  
Gunakan shortcut Alt + Enter

1	Pendahuluan, Isu-isu lingkungan kontemporer, Agroindustri, Lingkungan, dan Pembangunan Berkelanjutan (SDGs). 9.375 jam = 0.375 ECTS. 16 minggu pertemuan adalah 150 jam = 15 ECTS.	Introduction, Contemporary environmental issues, Agroindustry, Environment, and Sustainable Development (SDGs). 9.375 hours = 0.375 ECTS. 16 weeks of meetings is 150 hours = 15 ECTS.
2	Manajemen lingkungan sebagai kerangka pengelolaan industri yang berwawasan lingkungan. 9.375 jam = 0.375 ECTS	Environmental management as an environmentally friendly industrial management framework. 9.375 hours = 0.375 ECTS.
3	Jenis dan karakteristik polutan industri dan dampaknya pada lingkungan dan kesehatan (limbah cair, limbah padat, dan limbah gas), parameter kinerja lingkungan, konsep dan penerapan baku mutu lingkungan. 9.375 jam = 0.375 ECTS	Types and characteristics of industrial pollutants and their impact on the environment and health (liquid waste, solid waste, and gas waste), environmental performance parameters, concept and application of environmental quality standards. 9.375 hours = 0.375 ECTS.
4	Jenis dan karakteristik polutan industri dan dampaknya pada lingkungan dan kesehatan (limbah cair, limbah padat, dan limbah gas), parameter kinerja lingkungan, konsep dan penerapan baku mutu lingkungan. 9.375 jam = 0.375 ECTS	Types and characteristics of industrial pollutants and their impact on the environment and health (liquid waste, solid waste, and gas waste), environmental performance parameters, concept and application of environmental quality standards. 9.375 hours = 0.375 ECTS.
5	Metode identifikasi dan analisis dampak signifikan lingkungan dari aktivitas industri. 9.375 jam = 0.375 ECTS	Methods of identifying and analyzing significant environmental impacts of industrial activities. 9.375 hours = 0.375 ECTS.
6	Prinsip-prinsip pengelolaan lingkungan industri: Hierarchy pengelolaan lingkungan, tren perkembangan global, Pendekatan proaktif (Cleaner Production) vs Pendekatan pengendalian output (End of Pipe). 9.375 jam = 0.375 ECTS	Principles of managing the industrial environment: Hierarchy of environmental management, global development trends, Proactive approach (Cleaner Production) vs. Output control approach (End of Pipe). 9.375 hours = 0.375 ECTS.
7	Prinsip-prinsip pengelolaan lingkungan industri: Hierarchy pengelolaan lingkungan, tren perkembangan global, Pendekatan proaktif (Cleaner Production) vs Pendekatan pengendalian output (End of Pipe). 9.375 jam = 0.375 ECTS	Principles of managing the industrial environment: Hierarchy of environmental management, global development trends, Proactive approach (Cleaner Production) vs. Output control approach (End of Pipe). 9.375 hours = 0.375 ECTS.
8	UTS. 9.375 jam = 0.375 ECTS	Mid exam. 9.375 hours = 0.375 ECTS.
9	Perangkat manajemen lingkungan: Prinsip dan Penerapannya. 9.375 jam = 0.375 ECTS	Environmental management tools: Principles and their application. 9.375 hours = 0.375 ECTS.
10	Perangkat manajemen lingkungan: Prinsip dan Penerapannya. 9.375 jam = 0.375 ECTS	Environmental management tools: Principles and their application. 9.375 hours = 0.375 ECTS.
11	Perangkat manajemen lingkungan: Prinsip dan Penerapannya. 9.375 jam = 0.375 ECTS	Environmental management tools: Principles and their application. 9.375 hours = 0.375 ECTS.
12	Perangkat manajemen lingkungan: Prinsip dan Penerapannya. 9.375 jam = 0.375 ECTS	Environmental management tools: Principles and their application. 9.375 hours = 0.375 ECTS.
13	Ekologi Industri: Menuju Industri Nir Limbah, Industri Hijau dan Industri Berkelanjutan. 9.375 jam = 0.375 ECTS	Industrial Ecology: Towards a Zero Waste Industry, Green Industry and Sustainable Industry. 9.375 hours = 0.375 ECTS.
14	Ekologi Industri: Menuju Industri Nir Limbah, Industri Hijau dan Industri Berkelanjutan. 9.375 jam = 0.375 ECTS	Industrial Ecology: Towards a Zero Waste Industry, Green Industry and Sustainable Industry. 9.375 hours = 0.375 ECTS.
15	Ekologi Industri: Menuju Industri Nir Limbah, Industri Hijau dan Industri Berkelanjutan. 9.375 jam = 0.375 ECTS	Industrial Ecology: Towards a Zero Waste Industry, Green Industry and Sustainable Industry. 9.375 hours = 0.375 ECTS.
16	UAS. 9.375 jam = 0.375 ECTS	Final exam. 9.375 hours = 0.375 ECTS.