



UNIVERSITAS PANCASILA
PROFIL LULUSAN DAN CAPAIAN PEMBELAJARAN



UNIVERSITAS PANCASILA
PROFILE OF THE GRADUATE AND LEARNING OUTCOMES

Fakultas : Teknik Program Studi : Magister Rekayasa Infrastruktur dan Lingkungan Jenjang : Magister	Faculty : Engineering Study Program : The Master's Program in Infrastructure and Environmental Engineering Study level : Magister
I. PROFIL LULUSAN Lulusan Program Studi Magister Rekayasa Infrastruktur dan Lingkungan (MRIL) FTUP memiliki Profil Lulusan sebagai berikut: 1. Menguasai teori dan metode dalam mengidentifikasi dan menganalisis masalah, serta merumuskan dan mengembangkan alternatif solusi masalah (<i>problem solving</i>) infrastruktur kota dan wilayah berupa isu urbanisasi, kebencanaan, lingkungan global, dan tantangan pembangunan berkelanjutan dengan berlandaskan nilai-nilai luhur Pancasila. 2. Memiliki kemampuan merencanakan konsep pengembangan kawasan tematik secara cerdas dan inovatif dengan pendekatan pembangunan berkelanjutan. 3. Memiliki kemampuan menerapkan IPTEK dalam bidang RIL secara cerdas, kreatif dan inovatif, menjawab tantangan dan tuntutan era digital dan pembangunan berkelanjutan 4. memiliki kemampuan manajemen, pengambilan keputusan, perumusan kebijakan (<i>policy</i>), merumuskan pembiayaan infrastruktur secara inovatif dan kolaboratif antar pemangku kepentingan (stakeholders) dalam bidang RIL dalam era global untuk mewujudkan tujuan pembangunan berkelanjutan.	I. GRADUATE PROFILE The graduate of The Master's Program in Infrastructure and Environmental Engineering , Department ofUniversitas Pancasila meets the following graduate profile: 1. Master theories and methods for identifying and analyzing problems, as well as formulating and developing alternative solutions (problem-solving) for urban and regional infrastructure issues, including urbanization, disasters, global environmental concerns, and sustainable development challenges, based on the noble values of Pancasila. 2. Possess the ability to plan thematic area development concepts intelligently and innovatively using a sustainable development approach. 3. Have the capability to apply science and technology in the field of Infrastructure and Environmental Engineering (RIL) in an intelligent, creative, and innovative manner to address challenges and demands in the digital era and sustainable development. 4. Possess management skills, decision-making abilities, policy formulation expertise, and the capability to develop innovative and collaborative infrastructure financing among stakeholders in the field of RIL in the global era to achieve sustainable development goals.
II. CAPAIAN PEMBELAJARAN A. Sikap Lulusan Program Studi Teknik Industri S-1	II. LEARNING OUTCOMES A. Attitude The graduates of the Industrial Engineering Department of Universitas Pancasila have

Universitas Pancasila memiliki Sikap sebagai berikut: (mengacu pada SK Rektor No. 2734/KEP.R/UP/VI/2024)

1. Membentuk insan yang beriman, bertakwa, berakhlak mulia, dan berkarakter sesuai dengan nilai-nilai Pancasila, serta menjunjung tinggi norma dan etika akademik.

B. Penguasaan Pengetahuan

Lulusan Program Studi Lulusan Program Studi **Magister Rekayasa Infrastruktur dan Lingkungan (MRIL) FTUP** memiliki Penguasaan Pengetahuan sebagai berikut:

1. Mampu menerapkan pengetahuan metode penelitian dalam penyelesaian masalah pada kasus rekayasa infrastruktur dan lingkungan
2. Menguasai pengetahuan dan teknologi dibidang rekayasa infrastruktur kota dan wilayah dengan pendekatan interdisiplin dan multidisiplin secara cerdas, kreatif dan inovatif
3. Menguasai pengetahuan dan teknologi dalam pengembangan kawasan tematik dan kota cerdas dengan pendekatan pembangunan berkelanjutan (SDG)
4. Menguasai pengetahuan dan teknologi dalam bidang infrastruktur cerdas berbasis teknologi informasi menjawab tantangan dan tuntutan era digital dan pembangunan berkelanjutan (SDG)
5. Menguasai pengetahuan dibidang manajemen dan pembiayaan infrastruktur secara cerdas, inovatif dan berkelanjutan dengan pendekatan interdisiplin dan multidisiplin

C. Keterampilan Umum

Lulusan Program Studi **Magister Rekayasa Infrastruktur dan Lingkungan (MRIL) FTUP** memiliki Keterampilan Umum sebagai berikut: (mengacu pada SK Rektor No. 2734/KEP.R/UP/VI/2024)

1. Kemampuan dalam bertanggung jawab dan menunjukkan kinerja yang bermutu dan

these attitudes: (mengacu pada SK Rektor No. 2734/KEP.R/UP/VI/2024)

1. To shape individuals who are faithful, pious, have noble character, and possess qualities in line with the values of Pancasila, as well as uphold academic norms and ethics.

B. Knowledge Mastery

The graduates of **The Master's Program in Infrastructure and Environmental Engineering** Department of Universitas Pancasila must master this knowledge:

1. Master theories and methods for identifying and analyzing problems, as well as formulating and developing alternative solutions (problem-solving) for urban and regional infrastructure issues, including urbanization, disasters, global environmental concerns, and sustainable development challenges, based on the noble values of Pancasila.
2. Possess the ability to plan thematic area development concepts intelligently and innovatively using a sustainable development approach.
3. Have the capability to apply science and technology in the field of Infrastructure and Environmental Engineering (RIL) in an intelligent, creative, and innovative manner to address challenges and demands in the digital era and sustainable development.
4. Possess management skills, decision-making abilities, policy formulation expertise, and the capability to develop innovative and collaborative infrastructure financing among stakeholders in the field of RIL in the global era to achieve sustainable development goals.

C. General Skill

The graduates of **The Master's Program in Infrastructure and Environmental Engineering** Department of Universitas Pancasila must have these general skills: (mengacu pada SK Rektor No. 2734/KEP.R/UP/VI/2024)

terukur untuk melakukan evaluasi diri secara mandiri dan/atau berkelompok. 2. Menguasai kemampuan berkomunikasi secara efektif baik lisan maupun tulisan, bekerja sama dalam tim, dan berinovasi, serta mampu beradaptasi dalam lingkungan pekerjaan dan masyarakat 3. mampu mengembangkan pemikiran logis, kritis, sistematis, dan kreatif dalam penerapan teknologi atau seni sesuai bidang keahliannya dengan menghasilkan prototipe, karya desain, produk seni, atau inovasi teknologi bernilai tambah, menyusun konsepsi ilmiah karyanya berdasarkan kaidah, tata cara, dan etika ilmiah dalam bentuk tesis dan mempublikasikan tulisan dalam jurnal keilmuan atau keahlian terakreditasi D. Keterampilan Khusus Lulusan Program Studi Magister Rekayasa Infrastruktur dan Lingkungan (MRIL) FTUP memiliki Keterampilan Khusus sebagai berikut: 1. Mampu menyelesaikan masalah infrastruktur kota dan wilayah berupa ancaman kebencanaan dan perubahan iklim serta penurunan kualitas lingkungan melalui analisis dan rekayasa infrastruktur dan lingkungan secara kritis (<i>critical thinking</i>) dan komprehensif dengan pendekatan interdisiplin dan multidisiplin secara cerdas, kreatif dan inovatif 2. Mampu mendesain model pengembangan kawasan tematik dan kota cerdas dengan pendekatan pembangunan berkelanjutan (SDG) 3. Mampu mendesain konsep dan model infrastruktur cerdas berbasis teknologi informasi menjawab tantangan dan tuntutan era digital dan pembangunan berkelanjutan (SDG) 4. Mampu menyelesaikan masalah dan mengembangkan konsep manajemen dan pembiayaan pembangunan infrastruktur kota dan wilayah secara kolaboratif, inovatif dan terpadu	1. Master effective communication skills, both oral and written, teamwork, innovation, and adaptability in work and social environments. 2. Able to develop logical, critical, systematic, and creative thinking in the application of technology or art according to their field of expertise by producing prototypes, design works, artistic products, or value-added technological innovations, formulating the scientific conception of their work based on scientific principles, procedures, and ethics in the form of a thesis, and publishing their writings in accredited scientific or professional journals. D. Specific Industrial Engineering Skills The graduates of The Master's Program in Infrastructure and Environmental Engineering Department of Universitas Pancasila must have these specific skills: 1. Able to solve urban and regional infrastructure problems related to disaster threats, climate change, and environmental degradation through critical (critical thinking) and comprehensive infrastructure and environmental engineering analysis using an interdisciplinary and multidisciplinary approach in an intelligent, creative, and innovative manner 2. Able to design models for the development of thematic areas and smart cities with a sustainable development (SDG) approach. 3. Able to design concepts and models of smart infrastructure based on information technology to address challenges and demands of the digital era and sustainable development (SDG). 4. Able to solve problems and develop concepts for the management and financing of urban and regional infrastructure development collaboratively, innovatively, and integratively.
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