



UNIVERSITAS PANCASILA
PROFIL LULUSAN DAN CAPAIAN PEMBELAJARAN
UNIVERSITAS PANCASILA



PROFILE OF THE GRADUATE AND LEARNING OUTCOMES

Fakultas : Teknik Program Studi : Elektro Jenjang : Sarjana (S-1)	Faculty : Engineering Study Program : Electrical Engineering Study level : Bachelor (Strata-1)
I. PROFIL PROFESIONAL MANDIRI 1. Perekraya atau profesional bidang teknik elektro yang yang kompeten dalam menyelesaikan masalah kompleks. (Keyword: Engineering) 2. Perekraya atau profesional yang menjunjung tinggi nilai-nilai luhur Pancasila, beretika dan memiliki integritas, berjiwa pemimpin, bertanggung jawab serta menjadi pembelajar sepanjang hayat demi mempertahankan keunggulan dan inovasi (Keyword: Soft Skill) 3. Tenaga ahli dalam merancang, mengintegrasikan, dan mengelola sistem cerdas berbasis jaringan sensor nirkabel (wireless sensor networks) dan instrumentasi pintar (Keyword: Kekhasan) II. CAPAIAN PEMBELAJARAN 1. CPL-1 Membentuk insan yang beriman, bertakwa, berakhlak mulia dan berkarakter sesuai dengan nilai-nilai Pancasila, serta menjunjung tinggi norma dan etika akademik. 2. CPL-2 Membentuk insan yang berperan aktif membangun peradaban melalui kontribusi nyata bagi bangsa, menjunjung tinggi hukum, keanekaragaman budaya, tanggung jawab profesi dan semangat kewirausahaan 3. CPL-3 Menguasai fondasi teoritis multidisipliner (matematika, fisika, prinsip rangkaian listrik AC/DC, dan elektromagnetika) untuk	I. INDEPENDENT PROFESSIONAL PROFILE 1. An engineer or professional in electrical engineering who is competent in solving complex engineering problems. (Keyword: Engineering) 2. An engineer or professional who upholds the noble values of Pancasila, demonstrates ethical behavior and integrity, possesses leadership qualities, takes responsibility, and engages in lifelong learning to sustain excellence and innovation. (Keyword: Soft Skills) 3. An expert in designing, integrating, and managing intelligent systems based on wireless sensor networks and smart instrumentation. (Keyword: Distinctive Competence) II. LEARNING OUTCOMES 1. CPL-1 Demonstrate ethical conduct, integrity, and professionalism by upholding the values of Pancasila, adhering to academic and professional ethical standards, and exhibiting moral responsibility in engineering practice. 2. CPL-2 Evaluate and contribute to societal and national development by applying legal, cultural, and professional considerations, while demonstrating social responsibility and entrepreneurial initiative. 3. CPL-3 Apply and integrate multidisciplinary



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menganalisis dan menyelesaikan <i>complex engineering problems</i>. 4. CPL-4 Mampu merancang dan mengembangkan sistem elektro terintegrasi berbasis hardware/software, IoT, dan AI hingga tahap <i>validation & verification</i> sesuai standar. 5. CPL-5 Mampu menerapkan etika rekayasa dan standar internasional (IEEE/IEC/ISO) dalam pengambilan keputusan teknik. 6. CPL-6 Memiliki kemampuan berkomunikasi secara efektif baik lisan maupun tulisan, bekerja sama dalam tim, dan berinovasi, serta mampu beradaptasi dalam lingkungan pekerjaan dan masyarakat. 7. CPL-7 Mampu berpikir logis, kritis, sistematis, dan inovatif serta menerapkan pembelajaran sepanjang hayat dan etika ilmiah. 8. CPL-8 Mampu membangun jejaring kerja yang kolaboratif dan proaktif lintas lembaga, serta mengelola data dan informasi secara bertanggung jawab dan berintegritas. 9. CPL-9 Mampu merancang dan mengimplementasikan solusi perangkat keras dan lunak berbasis data untuk menyelesaikan permasalahan umum dan spesifik di bidang Teknik Elektro secara presisi dan holistik.	theoretical foundations (mathematics, physics, AC/DC circuit theory, and electromagnetics) to analyse and solve complex engineering problems. 4. CPL-4 Design, develop, and validate integrated electrical engineering systems incorporating hardware/software, Internet of Things (IoT), and Artificial Intelligence (AI), in compliance with relevant engineering standards. 5. CPL-5 Apply engineering ethics and evaluate decisions based on internationally recognised standards (IEEE/IEC/ISO) in professional engineering practice. 6. CPL-6 Communicate effectively in both oral and written forms, collaborate in multidisciplinary teams, and demonstrate adaptability, leadership, and innovation in professional environments. 7. CPL-7 Analyse problems using logical, critical, and systematic approaches, formulate innovative solutions, and engage in lifelong learning with a strong commitment to scientific ethics. 8. CPL-8 Develop and maintain professional networks across disciplines and institutions, and evaluate and manage data and information responsibly, ethically, and with integrity. 9. CPL-9 Design, implement, and optimise data-
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10. CPL-10 Mampu Merancang dan mengintegrasikan sistem cerdas berbasis <i>wireless sensor networks</i> dan <i>smart instrumentation</i>, serta sistem jaringan dan kendali berbasis AI. 11. CPL-11 Mampu merancang solusi rekayasa Teknik Elektro yang berkelanjutan dengan memperhatikan etika profesi, keselamatan operasional, dan keberlanjutan lingkungan.	driven hardware and software solutions to address both general and specialised Electrical Engineering problems with accuracy and a holistic perspective. 10. CPL-10 Design and integrate intelligent systems based on wireless sensor networks, smart instrumentation, and AI-driven networking and control systems. 11. CPL-11 Formulate and evaluate sustainable Electrical Engineering solutions by incorporating considerations of professional ethics, operational safety, and environmental sustainability.
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Jakarta, 15 Juni 2026

Disetujui / Approval,

Nur Yulianti Hidayah ST.,MT
Ketua Satuan Jaminan Mutu

/ Head of Education Quality Assurance

Dibuat / Prepared,

Dr. Ane Prasetyowati, ST.,MT
Ketua Program Studi / Head of Department

Disahkan/Ratified,

Prof. Dr. Ir. Dwi Rahmalina, MT
Dekan / Dean