

DIREKTORAT KAMPUS SURABAYA
PROGRAM STUDI S1 TEKNIK ELEKTRO - KAMPUS SURABAYA

DIRECTORATE OF SURABAYA CAMPUS
BACHELOR OF ELECTRICAL ENGINEERING
TERAKREDITASI / ACCREDITED : SK NO. 4437/SK/BAN-PT/Ak-PNB/S/VI/2024

TRANSKRIP AKADEMIK

ACADEMIC TRANSCRIPT
No Ijazah Nasional 041057202062025100029
No 0526/AKD1.15/SDKS/2025
NAMA / NAME : HERNADIMAS ALFATTAH
NOMOR INDUK MAHASISWA / STUDENTS ID : 1103210015
TEMPAT & TANGGAL LAHIR / PLACE & DATE OF BIRTH : AMBON, 01 Oktober 2003 / 01 October 2003
TANGGAL MASUK DATE OF ENROLLMENT : 30 September 2021 / 30 September 2021
TANGGAL LULUS /DATE OF COMPLETION : 31 Oktober 2025 / 31 October 2025
JENJANG PENDIDIKAN / LEVEL OF EDUCATION : STRATA 1 / BACHELOR DEGREE
NO KEPUTUSAN REKTOR / NUMBER OF DECREE : KR.1086/AKD15/AKD-BAAI/2025

No	KODE/ CODE	MATA KULIAH	SUBJECT	SEMESTER / SEMESTER	SKS / CREDIT	NILAI / GRADE
1	SCA1111	PRAKTIKUM FISIKA 1	PHYSICS 1 LAB WORKS	1	1	AB
2	UCK1FDB1	INTERNALISASI BUDAYA DAN PEMBENTUKAN KARAKTER	CULTURAL INTERNALIZATION AND CHARACTER FORMATION	1	1	AB
3	HUA10A2	PENDIDIKAN AGAMA DAN ETIKA - ISLAM	RELIGION AND ETHICS - ISLAM	1	2	AB
4	HUA1012	LITERASI TIK (TEKNOLOGI INFORMASI DAN KOMUNIKASI)	ICT (INFORMATION AND COMMUNICATION TECHNOLOGIES) LITERACY	1	2	AB
5	EEA1012	KONSEP PENGEMBANGAN SAINS DAN TEKNOLOGI ELEKTRO	DEVELOPMENT CONCEPT OF ELECTRICAL SCIENCE AND TECHNOLOGY	1	2	AB
6	LAA1012	BAHASA INGGRIS 1	ENGLISH 1	1	2	AB
7	SCA1113	FISIKA 1	PHYSICS 1	1	3	BC
8	SCA1033	KIMIA A	CHEMISTRY A	1	3	AB
9	MAA1114	KALKULUS 1A	CALCULUS 1A	1	4	B
10	SCA1211	PRAKTIKUM FISIKA 2	PHYSICS 2 LAB WORKS	2	1	AB
11	FEA1011	PRAKTIKUM ALGORITMA DAN PEMROGRAMAN	ALGORITHMS AND PROGRAMMING LAB WORKS	2	1	AB
12	LAA1032	BAHASA INDONESIA	BAHASA INDONESIA	2	2	AB
13	LAA1022	BAHASA INGGRIS 2	ENGLISH 2	2	2	A
14	EEC12H3	RANGKAIAN LISTRIK	ELECTRICAL CIRCUIT	2	3	AB
15	FEA1013	ALGORITMA DAN PEMROGRAMAN	ALGORITHMS AND PROGRAMMING	2	3	B
16	SCA1213	FISIKA 2	PHYSICS 2	2	3	BC
17	EEC12I3	SINYAL DAN SISTEM	SIGNAL AND SYSTEM	2	3	AB
18	EEC12J3	ALJABAR LINEAR DAN PERSAMAAN DIFFERENSIAL	LINEAR ALGEBRA AND DIFFERENTIAL EQUATION	2	3	C
19	MAA1214	KALKULUS 2A	CALCULUS 2A	2	4	C
20	AZK2AAB3	PROBABILITAS DAN STATISTIKA	PROBABILITY AND STATISTICS	3	3	AB
21	AZK2CAB3	PERSAMAAN DIFERENSIAL	DIFFERENTIAL EQUATIONS	3	3	AB
22	EEC21F3	VARIABEL KOMPLEKS	COMPLEX VARIABLE	3	3	A
23	EEC21B3	ELEKTROMAGNETIKA	ELECTROMAGNETIC	3	3	BC
24	EEC21E3	MATEMATIKA DISKRIT	DISCRETE MATHEMATICS	3	3	A
25	EEC21A4	ELEKTRONIKA	ELECTRONICS	3	4	A
26	EEC21C4	PENGOLAHAN SINYAL DIGITAL	DIGITAL SIGNAL PROCESSING	3	4	BC
27	EEC21D4	SISTEM DIGITAL	DIGITAL SYSTEM	3	4	A
28	EEC22M3	SISTEM AKUISISI DATA	ACQUISITION DATA SYSTEM	4	3	AB
29	EEC22H3	ELEKTRONIKA LANJUT	ADVANCED ELECTRONICS	4	3	BC
30	EEC22L3	SENSOR DAN AKTUATOR	SENSOR AND ACTUATOR	4	3	A
31	EEC22I4	SISTEM KENDALI DASAR	BASIC CONTROL SYSTEM	4	4	C
32	EEC22K4	SISTEM ENERGI LISTRIK TERBARUKAN	RENEWABLE ELECTRICAL POWER SYSTEM	4	4	AB
33	EEC22J4	SISTEM TELEKOMUNIKASI	TELECOMMUNICATION SYSTEM	4	4	AB
34	EEC31D4	INTERNET OF THINGS	INTERNET OF THINGS	5	4	C
35	EEC31C4	KECERDASAN BUATAN	ARTIFICIAL INTELLIGENCE	5	4	A
36	EEC31B4	SISTEM TERTANAM	EMBEDDED SYSTEM	5	4	A
37	EEC30H2	METODOLOGI PENELITIAN	RESEARCH METHODS	6	2	AB
38	AZK3BAB2	KERJA PRAKTIK / KKN	INTERNSHIP OR COMMUNITY SERVICE	6	2	A
39	UBKXBCB2	PANCASILA	PANCASILA	6	2	A
40	EEC3213	SISTEM KENDALI MULTIVARIABEL	MULTIVARIABLE CONTROL SYSTEM	6	3	C

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41	EEC32I3	TEKNOPRENEUR	TECHNOPRENEUR	6	3	AB
42	EEC32F4	OTOMATISASI INDUSTRI	INDUSTRIAL AUTOMATION	6	4	AB
43	EEC32G4	ROBOTIKA	ROBOTICS	6	4	B
44	ABK3AAC5	PROYEK PERANCANGAN TERINTEGRASI	INTEGRATED DESIGN PROJECT	6	5	A
45	AZK4AAB2	STUDIUM GENERALE	STUDIUM GENERALE	7	2	A
46	ABK4AAB2	EKONOMI KELAYAKAN DAN PERENCANAAN BISNIS	ECONOMIC FEASIBILITY AND BUSINESS PLANNING	7	2	A
47	ABK4AAA2	METODE PENELITIAN DAN PENGEMBANGAN PRODUK	METHOD FOR RESEARCH AND PRODUCT DEVELOPMENT	7	2	AB
48	EEC4153	PEMBELAJARAN MESIN DAN APLIKASI	MACHINE LEARNING AND APLICATION	7	3	A
49	EEC41F3	MANAJEMEN PROYEK	PROJECT MANAGEMENT	7	3	AB
50	EEC42J2	KEWARGANEGARAAN	CIVICS	8	2	A
51	ABK4FBB3	VISI KOMPUTER	COMPUTER VISION	8	3	AB
52	AZK4EAA4	TUGAS AKHIR	FINAL PROJECT	8	4	A

KETERANGAN NILAI / GRADE NOTICE A = 4 AB = 3.5 B = 3 BC = 2.5 C = 2 D = 1 E = 0

PENCAPAIAN AKADEMIK / ACADEMIC ACHIEVEMENT SKS (Satuan Kredit Semester) Total / Total Credits : 151 SKS / Credits IPK (Indeks Prestasi Kumulatif) / Grade Point Average : 3.34 (dari / out of 4,00) YUDISIUM / JUDICIUM SANGAT MEMUASKAN
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TUGAS AKHIR / FINAL PROJECT IMPLEMENTASI SMART METER MENGGUNAKAN FUZZY LOGIC UNTUK MENANGANI STANBY POWER DAN GANGGUAN TEGANGAN IMPLEMENTATION OF SMART METERS USING FUZZY LOGIC TO HANDLE STANBY POWER AND VOLTAGE DISRUPTION

Bandung, 23 November 2025 / 23 November 2025
Direktur / Director




Dr. MOHAMMAD YANUAR HARIYAWAN, S.T., M.T.