



FARHAN MAULANA BAIHAQI

farhan.maubu@gmail.com | +62 812-3117-9779

Surabaya, Jawa Timur | linkedin.com/in/farhanmaulanabaihaqi

Associate's degree in Electrical Engineering at Electronic Engineering Polytechnic Institute of Surabaya, had experience as a Control Panel Manufacturing. Skilled in assembling and wiring electrical components in control panel, preparing bills of quantities, and operating AutoCAD & ETAP. Interested in developing a career in performing routine maintenance of electrical installations, production machines, electrical panels, and work equipment.

Education

Electronic Engineering Polytechnic Institute of Surabaya – Surabaya, Indonesia

Aug 2022 – Jul 2025

Associate's degree in Electrical Engineering, GPA: 3.47/4.00

- Final Project : Speed Regulation of DC Motor Using PI Control in Cracker Cutting Machine Drive
- Activities : Students Association of Industrial Electrical Engineering (HIMA ELIN)

Internship

PT. Tri Ratna Diesel Indonesia – Gresik, Indonesia

Jul 2024 – Des 2024

Electrical Engineer

- Making electrical panels for controlling agricultural machinery
- Maintenance of electrical panels for production machines
- Repairing and testing of induction motors for agricultural machinery
- Maintenance of blowers, lighting, grinding machine and other electronics

Organization

Students Association of Industrial Electrical Engineering (HIMA ELIN)

Head of Social Society

Jan 2024 – Jan 2025

- Committee of Work Program “Elin Berbagi”
- Committee of Work Program “Elin Mengajar”
- Committee of Work Program “Elin Peduli Sesama”
- Committee of Work Program “Elin Cup”
- Committee of Work Program “Student Camp Creative / SCC HIMA ELIN 2024”
- Committee LKMM TD HIMA ELIN 2024

Certification

Assistant Technician of Low Voltage Network Maintenance

Badan Nasional Sertifikasi Profesi (BNSP)

Nov 2024

- Conducting Supervision of Electrical Power Distribution Maintenance
- Conducting Maintenance on Low-Voltage Cable Lines
- Conducting Maintenance on Low-Voltage Overhead Lines
- Conducting Maintenance on Low-Voltage Switchgear (LVSG)
- Conducting Maintenance of Grounding Systems

Skills & Others

Hard Skills : AutoCAD, CX-Programmer, ETAP, EAGLE, Proteus, PSIM, Microsoft Office, Wiring Diagrams, Bills of Quantity, Making and Maintenance Electrical Panels

Soft Skills : Analytical Skills, Creative Thinking, Communication Skills, Adaptability, Teamwork, and Problem Solving

Achievement : 1st winner of the best electrical team division in October when internship PT. Tri Ratna Diesel Indonesia

Languages : Indonesian (Native), English (Intermediate)



KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

Jalan Raya ITS, Sukolilo, Surabaya, 60111
Telepon: +62-31-5947280 (hunting); Fax: +62-31-5946114
Laman: <https://www.pens.ac.id>; E-mail: info@pens.ac.id

SURAT KETERANGAN LULUS
Nomor : 1015/PL14/PK.05.00/VIII/2025

Yang bertanda tangan di bawah ini :

Nama : Prof. Moch. Zen Samsono Hadi, S.T., M.Sc., Ph.D
NIP : 197412252003121003
Pangkat (Gol./Ruang) : Pembina Tk. I (IV/b)/Guru Besar
Jabatan : Wakil Direktur-Bidang Akademik

Menerangkan bahwa :

Nama : Farhan Maulana Baihaqi
NRP : 2322500039
Program Studi : Teknik Elektro Industri
Tahun Masuk : 2022
Tahun Lulus : 2025
Lama Studi : 6
IPK : 3.47
Gelar : Ahli Madya Teknik (A.Md.T.)

adalah terdaftar sebagai mahasiswa Politeknik Elektronika Negeri Surabaya dan dinyatakan **LULUS** sesuai Keputusan Direktur PENS nomor 103/PL14/PK.04/VIII/2025, tanggal 19 Agustus 2025, tentang Penetapan Lulusan Program Magister Terapan, Program Sarjana Terapan, Dan Program Diploma Politeknik Elektronika Negeri Surabaya Tahun 2025.

Surat Keterangan Lulus ini berlaku sebagai pengganti ijazah asli yang akan diberikan setelah proses verifikasi dan tanda tangan asli wisudawan.

Demikian Surat Keterangan Lulus ini dibuat untuk dipergunakan sebagaimana mestinya.





KEMENTERIAN PENDIDIKAN TINGGI, SAINS, DAN TEKNOLOGI

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TRANSKRIP SEMENTARA

Departemen (Department) : Teknik Elektro
(Electrical Engineering)
Program Studi (Study Program) : Program Studi Diploma Tiga (D3) Teknik Elektro Industri
(Advanced Diploma Program of Applied Engineering)
Tanggal Masuk (Entrance Date) : 19-08-2022
Gelar (Degree) : Ahli Madya Teknik (A.Md.T.)
(Advanced Diploma of Applied Engineering)

Nama (Name) : Farhan Maulana Balhaqi
NRP (ID Number) : 2322500039
Tempat, Tanggal Lahir (Place, Date of Birth) : Surabaya, 28 April 2004
Indeks Prestasi (GPA) : 3,47
Semester Sekarang (Current Semester) : 6



No	Kode (Code)	Mata Kuliah	Subjects	SKS (Credits)	Jam (Hours)	Nilai (Grade)
1	EI031101	Rangkaian Listrik 1	Fundamental of Electrical Circuits	2	2	C
2	EI031102	Pengukuran Listrik dan Instrumentasi	Electrical Measurement and Instrumentation	2	2	AB
3	EI031103	Bahan dan Komponen Listrik	Electrical Materials and Components	2	2	C
4	EI031104	Pemrograman Komputer	Computer Programming	2	2	BC
5	EI031105	Workshop Instalasi Listrik Penerangan	Workshop on Electrical Installation of Lighting	2	3	A
6	EI031106	Gambar Teknik	Electrical Drawing	1	2	B
7	EI031107	Praktik Pemrograman Komputer	Computer Programming Lab. Work	1	2	B
8	EI031108	Praktik Rangkaian Listrik 1	Fundamental of Electrical Circuits Lab. Work	1	2	A
9	EI031109	Praktik Pengukuran Listrik dan Instrumentasi	Electrical Measurement and Instrumentation Lab. Work	1	2	B
10	EI031110	Praktik Bahan dan Komponen Listrik	Electrical Materials and Components Lab. Work	1	2	AB
11	WI030001	Matematika-1	Mathematics-1	2	2	A
12	WI030001	Pancasila	Pancasila	2	2	A
13	EI032101	KE dan K3	Electricity Safety and Occupational Health & Safety	2	2	BC
14	EI032102	Rangkaian Listrik 2	Fundamental of Electrical Circuits 2	2	2	B
15	EI032103	Elektromagnetik	Electromagnetism	2	2	AB
16	EI032104	Rangkaian Elektronika	Electronics Circuit	2	2	B
17	EI032105	Workshop Instalasi Listrik Industri	Workshop on Electrical Installation of Industries	2	3	AB
18	EI032106	Praktik Rangkaian Listrik 2	Fundamental of Electrical Circuits 2 Lab. Work	1	2	BC
19	EI032107	Praktik Elektromagnetik	Electromagnetism Lab. Work	1	2	AB
20	EI032108	Praktik Rangkaian Elektronika	Electronics Circuit Lab. Work	1	2	AB
21	WI030002	Matematika-2	Mathematics-2	2	2	B
22	WI030002	Agama	Religion	2	2	A
23	WI030003	Kewarganegaraan	Citizenship	2	2	A
24	EI033101	Mesin Listrik 1	Fundamental of Electric Machinery	2	2	A
25	EI033102	Sistem Pengaman Tenaga Listrik	Power System Protection	2	2	AB
26	EI033103	Elektronika Daya	Power Electronics	2	2	B

No	Kode (Code)	Mata Kuliah	Subjects	SKS (Credits)	Jam (Hours)	Nilai (Grade)
27	EI033104	Teknik Kontrol Industri	Industrial Control	2	2	C
28	EI033105	Workshop Elektronika Digital	Workshop on Digital Electronics	2	3	A
29	EI033106	Workshop Pengaturan Otomatis	Workshop on Automatic Control	2	3	AB
30	EI033107	Workshop Perencanaan Pembangkit Tenaga Listrik	Workshop on Power Plant Equipment	2	3	AB
31	EI033108	Praktik Mesin Listrik 1	Electric Machines 1 Lab. Work	1	2	AB
32	EI033109	Praktik Sistem Pengaman Tenaga Listrik	Power System Protection Lab. Work	1	2	AB
33	EI033110	Praktik Elektronika Daya	Power Electronic Lab. Work	1	2	AB
34	EI033111	Praktik Teknik Kontrol Industri	Industrial Control Lab. Work	1	2	AB
35	EI034101	Mesin Listrik 2	Electric Machinery	2	2	AB
36	EI034102	Transmisi dan Distribusi Tenaga Listrik	Electric Power Transmission and Distribution	2	2	B
37	EI034103	Workshop Kualitas Daya	Workshop on Power Quality	2	3	AB
38	EI034104	Workshop Komponen Magnetik dan Elektronika Daya	Workshop on Magnetic Components and Power Electronics	2	3	AB
39	EI034105	Mikrokontroler	Microcontroller	2	2	AB
40	EI034106	Praktik Mikrokontroler	Microcontroller Lab. Work	1	2	AB
41	EI034107	Praktik Mesin Listrik 2	Electric Machinery Lab. Work	1	2	A
42	EI034108	Praktik Transmisi dan Distribusi Tenaga Listrik	Electric Power Transmission and Distribution Lab. Work	1	2	A
43	EI034301	Proposal Proyek Akhir	Final Project Proposal	1	3	A
44	WI030003	Bahasa Inggris Teknik	English for Engineering	2	2	AB
45	WI030004	Bahasa Indonesia	Indonesian Language	2	2	AB
46	EI030202	Kerja Praktek 6 bulan	Internship 6 Month	20	40	A
47	EI036101	Probabilitas dan Statistik	Statistics and Probability	2	2	AB
48	EI036102	Simulasi Sistem Tenaga Listrik	Electric Power System Simulation	2	3	A
49	EI036103	Workshop Mikrokontroler dan Antar Muka Komputer	Workshop on Microcontroller and Interface Techniques	2	3	B
50	EI036104	Workshop Penggunaan dan Pengemudian Motor Listrik	Workshop on Electric Motor Drive and Application	2	3	B
51	EI036301	Proyek Akhir	Final Project	4	12	AB
52	WI030004	Bahasa Inggris Profesional	Engineering English for Professionals	2	2	B

Catatan Nilai (Grade Explanation)

A	Istisnawa (Excellent)	4	BC	Cukup Baik (Sufficient)	2,5
A-		3,75	C	Cukup (Fair)	2
AB		3,5	D	Kurang (Poor)	1
B+	Sangat Baik (Very Good)	3,25	E	Sangat Kurang (Very Poor)	0
B	Baik (Good)	3	Jumlah SKS Total Credits : 108 sks		

Dosen Wali (Academic Advisor)
Putu Agus Mahadi Putra, S.T., M.T

Surabaya, 22 Agustus 2025
Ketua Program Studi (Head of Program)



Ir. Rachma Prilian Eviningsih, S.T., M.T
NRP. 199304012020122006



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BADAN NASIONAL
SERTIFIKASI PROFESI
INDONESIAN PROFESSIONAL
CERTIFICATION AUTHORITY



SERTIFIKAT KOMPETENSI CERTIFICATE OF COMPETENCE

No. 35103 3113.01 5 0000725 2024

Dengan ini menyatakan bahwa,
This is to certify that,

Farhan Maulana Baihaqi

No.Reg.KTL.186.00725.2024

Telah kompeten pada bidang :
Is competent in the area of :

**DISTRIBUSI TENAGA LISTRIK
ELECTRIC POWER DISTRIBUTION**

Dengan Kualifikasi / Kompetensi :
With Qualification / Competency :

**ASSISTANT TECHNICIAN PEMELIHARAAN JARINGAN TEGANGAN
RENDAH
ASSISTANT TECHNICIAN OF LOW VOLTAGE NETWORK MAINTENANCE**

Sertifikat ini berlaku untuk 3 (tiga) Tahun
This certificate is valid for 3 (three) Years

Surabaya, 25 November 2024

Atas nama (On behalf) of BNSP

**Lembaga Sertifikasi Profesi Politeknik Elektronika Negeri Surabaya
Professional Certification Institution Politeknik Elektronika Negeri Surabaya**

Hani'ah Mahmudah, S.T., M.T.
Ketua (Chairman)



Daftar Unit Kompetensi
List of Unit(s) of Competency

NO.	KODE UNIT KOMPETENSI <i>Code of Competency Unit</i>	JUDUL UNIT KOMPETENSI <i>Title of Competency Unit</i>
1	D.35.135.00.003.1	Melaksanakan pengawasan Pemeliharaan Distribusi Tenaga Listrik <i>Conducting Supervision of Electrical Power Distribution Maintenance</i>
2	D.35.135.02.025.1	Melaksanakan Pemeliharaan Saluran Kabel Tegangan rendah <i>Conducting Maintenance on Low-Voltage Cable Lines</i>
3	D.35.135.02.026.1	Melaksanakan Pemeliharaan Saluran Udara Tegangan Rendah <i>Conducting Maintenance on Low-Voltage Overhead Lines</i>
4	D.35.135.02.027.1	Melaksanakan Pemeliharaan Peralatan Hubung Bagi Tegangan Rendah (PHB TR) <i>Conducting Maintenance on Low-Voltage Switchgear (LVSG)</i>
5	D.35.135.00.002.1	Melaksanakan Pemeliharaan Sistem Pembumian <i>Conducting Maintenance of Grounding Systems</i>



Farhan Maulana Baihaqi
Tanda Tangan Pemilik
Signature of Holder

Surabaya, 25 November 2024
Lembaga Sertifikasi Profesi
Politeknik Elektronika Negeri Surabaya
Professional Certification Institution
Politeknik Elektronika Negeri Surabaya

Prima Dewi Permatasari, S.ST., M.T.
Ketua Bidang Sertifikasi
Head of Certification

SERTIFIKAT

PRAKTEK KERJA INDUSTRI



Diberikan kepada:

Farhan Maulana Baihaqi

Telah melaksanakan kegiatan Magang di PT Tri Ratna Diesel Indonesia
dari tanggal 15 Juli - 27 Desember 2024 di unit Head Office Gresik

Gresik, 27 Desember 2024


PT. TRI RATNA DIESEL INDONESIA

Sigit Mardianto S.Psi.

Human Capital Supervisor



SERTIFIKAT

002.141/1/Pa/SC/HIMA-ELIN/V/2024

Diberikan Kepada:

Farhan Maulana Baihaqi

Atas Partisipasinya Sebagai

Sebagai Panitia pada kegiatan Student Camp Creative yang dilaksanakan pada hari Kamis s/d Sabtu tanggal 16 Mei 2024 sampai 18 Mei 2024

Koodinator Program Studi D3
Teknik Elektro Industri
2023/2024

(Rachma Prilian Eviningsih, S.T., M.T.)
(NIP. 199304012020122006)

Koodinator Program Studi D4
Teknik Elektro Industri
2023/2024

(Indhana Sudiharto, S.T., M.T.)
(NIP. 196602271994031001)

Ketua Himpunan Mahasiswa
Teknik Elektro Industri
2023/2024

(Muhammad Alvin Nasrullah)
(NRP. 2322500031)

Ketua Pelaksana Student Camp
Creative 2023/2024

(Ahmad Zafir Irsyad Rana Putra)
(NRP. 2322500037)



POLITEKNIK ELEKTRONIKA NEGERI SURABAYA
PROGRAM STUDI TEKNIK ELEKTRO INDUSTRI



Alamat : Jl. Raya ITS Sukolilo Kampus PENS Telp. 031 - 5947280 Email : kesekretariatan@pens.ac.id

SERTIFIKAT

Diberikan Kepada

Farhan Maulana Baihaqi

Atas partisipasinya sebagai :

PESERTA

Dalam Acara Pelatihan Design Layout Berbasis Eagle 2023 dengan tema :

“Unleash Your Creativity for the Infinite Future”

Yang dilaksanakan pada hari Selasa, 21 Maret 2023.

Ketua Program Studi Sarjana Terapan
Teknik Elektro Industri PENS


Eka Prasetyono, S. ST. MT.
NIP. 19831122 201012 1 004

Ketua Himpunan Mahasiswa
Teknik Elektro Industri 2022/2023


Muhammad Arifin Ilham
2321500052

Ketua Pelaksana Pelatihan Design
Layout Berbasis Eagle 2023


Raihan Taufiqurahman
2321500006