



RIFALDO SAPUTRA

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PROFIL

Fresh graduate of Industrial Electrical Engineering from Padang State University with experience as Deputy Chair of Management for UKRO UNP. Possesses problem-solving, leadership, and team management skills, and is accustomed to working analytically, critically, and adaptively to achieve targets on time. Has a strong interest in hardware development and programming, as well as experience in various robotics, automation, and IoT projects.

Experience

Deputy Chairman for Management

2/2023 – 2/2025

Unit Kegiatan Robotika Universitas Negeri Padang - Indonesia

- Assisting the general chairman in the management field
- Managing the Organizational Management system in UKRO KM UNP
- Coordinating 5 department heads and junior members in implementing work programs
- Plan and implement work programs that have been designed for one year of management

Electrical and Program Technical Team Member

2022 – 2024

Unit Kegiatan Robotika Universitas Negeri Padang - Indonesia

- Participating in the Indonesian Robot Contest (KRAI) 2022–2024
- Developing a robot Arduino & ESP32
- Programming the robot controller with the NRF24L01 module
- Python based RFID attendance system
- Designing KRAI robot hardware using Kicad application

MSIB PT.Stechoq Robotika Indonesia

8/2024 – 12/2024

Jogyakarta – Indonesia

- Designing SCADA systems using Factory IO & CX-Programmer
- Creating a power supply hardware design using Kicad
- Final project: IoT based ventilator

Last Project

2/2025 – 6/2025

Teknik Elektro Industri Universitas Negeri Padang - Indonesia

- Creating a sensor data delivery system without internet/Wi-Fi
- Using STM32 Blue Pill as a transmitter microcontroller
- Sensor data transmission using LoRa Ra-02
- Storing data in Google Sheets as a data logger
- Data visualization in the Blynk IoT dashboard

Education

Universitas Negeri Padang - Kota Padang, Indonesia

2021 – 2025

D4- Industrial Electrical Engineering

GPA: 3.56/4.00

Recipients of the Campus Activist Star Award at the 140th UNP Graduation Period

Skill

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|----------------------|------------------------------|----------------------|--------------------|------------------------------|
| • Soft Skills | : Leadership | • Hard Skills | : PCB Design | : KiCad, Eagle |
| | : Team Management | | : PLC & HMI | : CX-One, Siemens TIA Portal |
| | : Organizational Development | | : Programming | : Arduino IDE, Python |
| | : Fleksibilitas | | : Design | : Solidwork, Autocad |
| | : Project Manajemen | | : Microsoft Office | |
| | : Problem Solving | | | |