



# Ahmad Hanafi

+6283162440946 | amdhnafi@gmail.com  
amdhnafi.github.io/portofolio

## About Me

Automation Engineering with hands-on experience in PLC, HMI, and inverter programming, as well as on-site troubleshooting. Familiar with industrial control systems, electrical panels, and commissioning support. Highly motivated to grow as an Automation Engineer or Electrical Technician in an industrial environment.

## Skill

- PLC Programming
- Industrial Electrical
- Control System
- Industrial Automation
- Electronics & PCB

## Work Experience

### PT Handal Yesindo Sejahtera

2025 -Now

#### Automation Engineer

- Developed and modified PLC programs for machine control and automation processes
- Designed and configured HMI interfaces for monitoring and operator control
- Performed troubleshooting on control panels, sensors, and field devices
- Supported maintenance and improvement of existing automation programs

### PT Djarum | Internship

2024

#### Maintenance Operation Secondary

- Assist in repairing electronic devices
- Assist in cable installation on production machines

## Education

### Politeknik Negeri Semarang

2022 - 2025

Diploma in Electronic Engineering (GPA: 3.38/4.0)

## Project

- **PLC-Based Conveyor Positioning Training Module** 2025  
Developed PLC and HMI programs for a distance-based conveyor positioning system used in technical training.
- **Local web-based energy monitoring using a wireless protocol (final project)** 2025  
A system that measures electrical energy with a power meter, processes data via Raspberry Pi, and displays usage on a local web interface.
- **Empty Vane Detector Sensor for Packer Machine** 2024  
Designed a sensor to detect passing objects by utilizing an AND gate, providing a simple and reliable detection method for automation processes.
- **Line Follower Robot** 2023  
Autonomous robot using infrared sensors and Atmega32 to follow a predefined path with real-time motor control.

## Certifications

- Industrial Automation
- TOIEC (Test of English for International Communication) (Score : 500)