



ABELYA DWI CAHYANI

Diploma in Electronics Engineering

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Politeknik Negeri Semarang

PROFILE

An active associate degree student in Electronics Engineering at Politeknik Negeri Semarang with solid experience in assembling electronic components. Highly motivated to further develop technical skills through hands-on experience in electronics and engineering projects.

EXPERIENCE

- Internship

PT Ruang Industri Indonesia 2024

Built an automated bottle cap inspection system with a team of three. Programmed ESP32 and Arduino UNO in C++ for MQTT-based servo control and conveyor motor operation.

- Secretary of the Household Division

HME, Polines 2023 - 2024

Terlibat dalam perancangan, pembuatan, dan pengujian prototipe pemilah kualitas telur otomatis sebagai bagian dalam proyek kelompok.

- Research and Development Staff

HME, Polines 2024 - 2025

Responsible for overseeing, evaluating, and providing feedback on work programs and agendas conducted by association members throughout the 2024/2025 term.

EDUCATION

2019 - 2022

SMA Negeri 2 Kendal
Science and Mathematics

2022 - sekarang

Politeknik Negeri Semarang
Diploma Student in Electronics Engineering

SKILL

- Circuit Design
- Internet of Things
- Hardware Design
- Web Programming
- Assembling Electronic Components

PROJECTS

- Egg Sorting System Using Load Cell Sensor
- Prototype of Air Quality Monitoring System Based on Internet of Things Using MQ-135 Sensor
- Bottle Cap Quality Control System Using ESP32