



FADIL ANANTA

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I am a graduate with a Bachelor's degree in Physics Engineering from ITS Surabaya. I have a strong interest in exploring new things, particularly in the fields of maintenance, measuring, instrumentation, automation, and electronics. Additionally, I am able to adapt quickly to new environments and learn new things rapidly.

EDUCATION

Institut Teknologi Sepuluh Nopember - Surabaya, Indonesia

Aug 2019 - Aug 2023

Bachelor of Engineering Physics (IPK 3,61/4.00)

- Taking the Final Project with the title "Testing Maximum Power of Photovoltaic Modules using MPPT Method with Particle Swarm Optimization (PSO) Algorithm."

WORK EXPERIENCE

PT Santos Jaya Abadi (Kapal Api Group) - Sidoarjo, Indonesia

Nov 2024 - Present

PLC and Instrumentation Maintenance Staff

- Responsible for ensuring smooth production in the electrical and instrumentation sections, covering processing, material handling, and packing areas.
- Perform corrective maintenance, including troubleshooting, repairing, and replacing electrical parts with new ones.
- Develop innovations and explore new ideas to minimize potential issues in the electrical and instrumentation sections.

PT Seng Fong Moulding Perkasa - Jombang, Indonesia

Jul 2024 - Sep 2024

Internship - PLC Maintenance Staff.

- Ensure the wood coating machine runs smoothly and efficiently according to the previously developed program, maintaining stable performance during production.
- Perform machine repairs and adjustments in case of failures, covering both electrical and software-related issues to restore normal operation quickly.
- Coordinate with the production team regarding routine maintenance.

PT Pabrik Kertas Tjiwi Kimia Tbk - Sidoarjo, Indonesia

Jan 2024 - Mar 2024

Full Time - Instrument Maintenance Staff.

- Calibrating instrumentation equipment to maintain accuracy, consistency, and measurement reliability in accordance with company standards.
- Performing various types of maintenance, such as preventive, shutdown, and corrective, to maintain and repair instrumentation equipment to ensure optimal condition.
- Recording and monitoring calibration and maintenance data to periodically track trends in the condition of instrumentation equipment.

PROJECTS

Performing schematic creation on packing machine panels - Sidoarjo, Indonesia Sep 2025 - Present

Project Leader

- Created the schematic diagram for the packing machine panel, which previously did not exist, to serve as a reference for technicians in future maintenance and repairs.
- Reduced panel repair downtime for packing machines by providing complete wiring schematics that were previously unavailable.
- Minimized financial losses caused by excessive downtime, achieving an estimated cost reduction of IDR 200 billion by improving maintenance efficiency and ensuring faster troubleshooting.

Repairing and creating new boards for packing machines. - Sidoarjo, Indonesia Sep 2025 - Present

Project Leader

- Independently repaired the circuit boards used in packing machines to eliminate dependency on external vendors.
- Designed and produced circuit boards identical to those used in packing machines, allowing in-house supply and replacement.
- Reduced expenses for repairing damaged boards and purchasing new ones, achieving an estimated cost saving of IDR 300 million.

Revitalizing the packing machine control system using PLC. - Sidoarjo, Indonesia Jan 2025 - Jul 2025

Project Member

- Completely redesigned the conventional wiring system inside the packing machine and replaced it with a PLC-based control system.
- Upgraded the instrumentation equipment to newer versions to simplify spare parts sourcing and future maintenance.
- Improved troubleshooting speed and reduced machine downtime, resulting in increased production efficiency.

TRAINING

Revitalizing the packing machine control system using plc - Surabaya, Indonesia Jun 2024

Prakerja, Online.

- Conducting comprehensive assessments of workplace hazards and developing effective Occupational Health and Safety (OHS) risk control strategies to minimize potential risks.
- Ensuring compliance with OHS standards and effectively communicating safety procedures to maintain a safe and sustainable working environment.

SKILL

Soft Skills : Problem Solving, Teamwork, Hard Work, Quick Adaptation, Fast learning.

Hard Skills : Instrumentation, Calibration, Measurement, Maintenance, Troubleshooting, PLC, PID, P&ID, PFD, AutoCAD, Adobe Illustrator, Microsoft Office, Arduino, ESP32

Language : Indonesia (Native), English (Intermediate - TOEFL 483)