

REFIANA OGAM PANJABAR ALAMSYAH

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ABOUT ME

Electrical Engineer with a professional background in Electronics R&D and hands-on experience in PLC programming, control systems, and automation through laboratory projects and research. Skilled in electronic system design and testing, troubleshooting, and sensor and actuator integration to develop effective control solutions. Possess strong analytical and problem-solving skills, with experience in the design, testing, and evaluation of technical systems. Highly motivated to leverage my R&D experience and control engineering skills to contribute to industrial automation and electric vehicle manufacturing.

WORK EXPERIENCE

Adjunct Lecturer for Electronics & Automation System,
Universitas Subang

July 2025 - Present

- Teach electronics, control systems, and automation through theory and practical laboratory projects.
- Guide students in developing and troubleshooting electronic and automation systems.

Part-Time Robotics Instructor, SMP IT 'Alamy

April 2026 - Present

- Teach basic robotics, electronics, and programming through hands-on projects.
- Guide students in designing, programming, and troubleshooting basic robotic systems.

R&D Electronics Engineer, PT. Meiloon Technology Indonesia *February 2023 - September 2024*

- Designed electronic circuits and PCB layouts for product development.
- Built, tested, and validated electronic prototypes against technical specifications.
- Performed hardware troubleshooting and root-cause analysis to identify and resolve circuit issues.
- Prepared technical documentation, test reports, and design revision records.
- Collaborated with cross-functional teams to support product development, testing, and design improvements.

Technician of Tyre Building Machine, PT. Evoluzione Tyres

March 2019 - February 2023

- Preventive and maintenance of every machine equipment for Tyre Building Machine
- Setup machine and problem analysis of Tyre Building Machine

EDUCATION

Master of Electrical Engineering
Universitas Katolik Indonesia Atma Jaya

February 2023 - August 2025

- Major in Electrical Engineering focus on control system.
- Thesis on "Analysis of Water Circulation Pump Control in an Aquaponics System Using Fuzzy Logic".

Bachelor of Electrical Engineering
Universitas Subang

September 2018 - June 2022

- Thesis on "Implementation of SCADA SYSTEM On Water Treatment Plant Model Using Wonderware Intouch".

ADDITIONAL INFORMATION

- **Technical Skills:** PLC Programming, Industrial Automation, Electronics & PCB Design, Embedded Systems, Sensor & Actuator Integration, Robotics, Electrical Troubleshooting.
- **Tools & Technologies:** Siemens S7-1200, TIA Portal, Microcontrollers, Single Board Computer, C/C++, Python, Modbus/RS485, MQTT.
- **Languages:** Indonesia and English.