

HERNADIMAS ALFATTAH

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Bachelor Degree of Electrical Engineering with passion for Electronics, 3D Designer and Project Development.

EXPERIENCE

RYSC Malaysia | November 2025 – December 2025.

- Project development for competition with SMA Muhammadiyah X Surabaya.
- Critical thinking development with basic electronic design for students.
- 2 Silver Medals and a Gold Medal achievement with global competition.

Singapore Convention Invention | February – March 2026

- Developing critical thinking with more advanced electronic design for students.
- 1 3rd place for global category.

Robotics, Electro, Technopreneur, and Programming Teacher | August 2025 – April 2026

- Build interest of science for elementary school – senior high school.
- Teach in 5 school and 7 class.

Hybrid Switching | May – July 2026

- Build and develop hybrid switching project for solar cell system with safety and UI friendly.

EDUCATION

Bachelor Degree of Electrical Engineering -

Faculty of Electrical Engineering, Telkom University | 2021 – 2025

- Independent Study Advance AI at Infinite Learning (February 2024 - June 2024)
Collected more than 200k image datasheets on Kaggle.com for machine learning data training.
- Development of The Community Partnership Program Scheme (July 2023 - December 2023)
Upgrading solar panels, batteries, and an inverter for hydroponics and fishpond to increase operational duration from 6 to 12 hours. This upgrade increased 87.5% of solar input power.
- Development of The Community Partnership Program Scheme (April 2022 - December 2022)
Make an IoT power monitor for hydroponics and fishponds. The client will effectively use the power for hydroponics and fishpond operations.

SKILLS

Soft Skills: Teamwork, Analyze, Problem Solving

Hard Skills: Arduino, Python, MATLAB, Embedded System

Tools: Visual Studio Code, Jupyter Notebook, Freecad, Easy EDA

Languages: English (EPrT: 460)