



HIRKHAM PRAYOGA

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SUMMARY

Recent graduate with a Bachelor's degree in Electrical Engineering, who received cumlaude honors and always expand experiences and knowledge. A well-rounded person who has an interest in the electronics and control system, such as robotics and instrumentation integration control. Also known as an active and hard-working college student which loves to collaborate in diverse environments.

EDUCATION LEVEL

Bachelor Degree of Electrical Engineering, IPK 3.77/4.00

Aug 2021 - Jan 2025

SURABAYA STATE UNIVERSITY

Final Thesis: Design Of Semarang Denok Dance Robot Arm Movement Using Stm32f103c8t6 Microcontroller

- Honors : Cumlaude
- Actively participates in more than 10+ campus events, such as competitions, seminars, and skills training workshop
- Relevant Coursework : Electronic Circuits, Electrical Circuits, Industrial Management, Sensors and Actuators, Telemetry and Control, Industrial Automation Systems.

WORK EXPERIENCE

PT Kenongo Nalama Tech

Feb - Mar 2025

- Electric machine manufacturing
- Maintenance packing machines
- Installer electrical networks
- Development of a flour and tapioca mixer machine using PLC
- Design and manufacture of 3 phase motor conveyors using fuji inverters for speed drives

INTERNSHIP EXPERIENCE

PT PAL

Mar - Jun 2024

- Repair X-Band and S-Band Radar for navigation and object detection
- Repair damaged power supply for ships
- Maintenance Weather Fax to receive weather maps and meteorological information
- Maintenance Echosounder is part of the transducer installed on the bottom of the ship to measure sea depth

PT. Ozami Inti Sinergi (Indobot Academy)

Sep - Des 2024

- Involve designing, developing, and implementing Internet of Things (IoT) solutions.
- Develop sensor systems that can effectively collect and transmit data, as well as ensuring seamless integration between hardware and software.
- Prototyping and testing IoT devices, analyzing data to improve efficiency, ensure security and IoT network scalability.
- collaborate with other teams to create innovative Internet of Things (IoT) solutions applicable across various industries.

ACHIEVEMENT & COMPETITION

Indonesian Robot Contest 2022	June 2022
Participant to the non-technical part and electrical wiring for robots	
Indonesian Robot Contest 2023	June 2023
3rd place in Indonesian dance robot contest division at regional level II 3rd place in Indonesian dance robot contest division at national level	
National Unmanned Speedboat Contest 2023	Oct 2023
- Prototype Performance division Leisure Boat Electric Remote Control (LBERC) - Finalist in the division Leisure Boat Electric Remote Control (LBERC)	
Indonesian Flying Robot Contest 2024	Sep 2024
1st National Hope Champion of the Indonesian Flying Robot Contest, Fixed Wing Division	
Electrical K3 Awareness	May 2025
Electrical occupational safety and health training organized by KEMENAKER	

ORGANISATIONAL EXPERIENCE

Robotic UNESA

General Manager

- Recruit, train and develop the skills of the robotics team
- Set work targets and evaluate team performance
- Build a collaborative and innovative work environment
- Oversee testing, validation, and development of robot prototypes

ABILITY

Hard Skill

- Industrial Automation PLC
- Electrical Wiring
- Hardware troubleshooting and maintenance
- Hardware installation and configuration
- Electrical power distribution
- Using MS Office

Soft Skill

- Leadership
- Think logically and solve problems
- Time management capabilities
- Able to work together in a team
- Communication Indonesian (Active)
- English Communication (Passive)