

YOGA DHARMA SAPUTRA

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Bondowoso, East Java

SUMMARY

Electrical Engineering graduate from the University of Jember with a strong foundation in electrical systems, industrial automation, low-current systems, and robotics. Developed technical expertise through academic projects, including the design and implementation of an Internet of Things (IoT)-based monitoring and control system. Completed an internship at PT PLN (Persero) ULTG Jember, gaining hands-on experience in inspection, testing (leakage current, thermography, insulation resistance, and grounding), preventive maintenance, and troubleshooting of high-voltage electrical systems. Possesses strong analytical, problem-solving, and communication skills, with knowledge of project management, risk management, and continuous improvement. Detail-oriented, adaptable, and eager to learn, with a strong commitment to contributing to innovative engineering projects and continuously developing professional skills.

EDUCATION

UNIVERSITY OF JEMBER

2021 - 2025

Bachelor of Electrical Engineering (GPA: 3.53/4.00)

Accreditation: Excellent (LAM Teknik & BAN-PT)

Final Project “Implementation Of Temperature And Humidity Monitoring System With Conditional Breaching Control In Dragon Fruit Cultivation Based On The Internet Of Things (Iot)”

INTERNSHIP EXPERIENCES

PT. PLN Persero (ELECTRICAL SUBSTATION)

DEC 2023 - FEB 2024

Operation & Maintenance Division

- Conducted routine inspections on transformers, circuit breakers, and high-voltage components to ensure operational safety.
- Monitored and recorded anomalies for preventive analysis, reporting to senior engineers.
- Read and analyze data from instruments to monitor equipment voltage, current, and temperature.
- Coordinate with higher network operators for load shifting instructions.
- Conduct routine inspections using the five senses and measuring instruments to detect anomalies or early damage to equipment.

ORGANIZATION EXPERIENCES

STUDENT ACTIVITY UNIT HINDU DHARMA OF JEMBER UNIVERSITY

2023

Head of Organizational Affairs

- responsible for managing and coordinating all internal organizational activities so that they run effectively and in a focused manner.
- Contributed to maintaining communication and synergy between members, facilitating coordination meetings.
- Contribute to the development of human resource potential in the UKM environment through training and cadre development activities.

COMMITTEE JEMBER LINE TRACER

2022 & 2023

Member of Equipment Division

- Prepare and organize the tools and materials needed for each competition activity.
- Assisting in the procurement or loan process for goods to the campus or related agencies.
- Develop coordination, communication, teamwork, and technical problem-solving skills in a robotics competition environment.
- Involved in managing technical equipment, activity documentation, and event publication so that activities run smoothly and orderly.

IT COMMUNITY

MAY – DEC 2022

Communication And Information Division

- Responsible for managing information and publishing organizational activities through various digital platforms.
- assist in the development of web-based IT and IoT programs, as well as providing technical support during training activities or technology seminars
- Coordinated meeting arrangements with faculty and external partners to ensure smooth organizational communication.

STUDENT ACTIVITY UNIT ROBOTICS OF JEMBER UNIVERSITY

2023

Member Of Riset Team KRAI

- Design robots based on different competition themes each year.

- Select and integrate electronic, mechanical, and software components to create a functioning robot.
- Make improvements and refinements to robots to improve their performance.

RESEARCH

PROJECT IoT SYSTEMS

DEC 2023 – JAN 2024

Implementation Of The Internet Of Things (Iot) For Water Pump Automation With Telegram Notification At The Jember Main Substation (GI Jember)

- Designing and developing an IoT-based water pump automation system using the NodeMCU ESP32 microcontroller.
- Connect the system to the Telegram platform to send pump status and water level notifications to operators.
- Compile complete circuit diagrams, flowcharts, and system documentation for technical report purposes.
- Perform sensor testing and calibration to ensure the system is working accurately and responsively.

CERTIFICATES

- Work Training Certificate (2022)
Issued by: Department of Electrical Engineering, University of Jember
- Internship Confirmation Letter – PLN Electrical Substation (2024)
Issued by: PT. PLN Persero
- TOEFL Certification (557) – University of Jember Language Centre (2025–2026)
Issued by: University of Jember Language Centre
- Certificate ISO 9001: Quality Management System (2025)
Issued by: PT Inspirasi Duta Energi Abadi
- Certificate ISO 14001: Environment Management System (2025)
Issued by: PT Inspirasi Duta Energi Abadi
- Certificate ISO 45001: Safety Management System(2025)
Issued by: PT Inspirasi Duta Energi Abadi
- Certificate ISO 31000: Standar Management Risiko (2025)
Issued by: PT Inspirasi Duta Energi Abadi
- Certificate Lock Out Tag Out (LOTO) (2025)
Issued by: PT Inspirasi Duta Energi Abadi
- Certificate "HSE Plan" (2025)
Issued by: PT Inspirasi Duta Energi Abadi
- Work Training Certificate (2022)
Issued by: Department of Electrical Engineering, University of Jember

SKILLS

HARD SKILL

- Microsoft (Microsft Word, Power Point, Excel)
- Google Workspace (Gsheet, Gdocs, Gslides)
- Arduino IDE, Programming Language C++
- PCB Layout
- Programming Language C++
- MATLAB, PLC & SCADA
- Embedded Systems & IoT (ESP32, Jetson Nano, Raspberry Pi)

SOFT SKILL

- Leaderships
- Public Speaking
- Analytical Thinking
- Teamwork & Collaboration
- Fast Learner
- Problem Solving
- Time Management

LANGUAGE SKILL

- Indonesia (Native)
- English (Intermediate)