

FAHMI ISLAMI PUTRA

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Mechanical Engineering student (GPA 3.54/4.00) with strong expertise in Mechanical Design (CAD), Manufacturing Processes, and Technical Drafting. Proven leadership in managing technical teams for national robotics competitions. Skilled in SolidWorks, AutoCAD, and Catia, with practical experience in preparing Bill of Materials (BOM) and ensuring design precision. Eager to contribute to Schneider Electric's sustainability mission through high-quality switchgear design.

EDUCATION

Undergraduate student in Mechanical Engineering, Sebelas Maret University September 2023 – Present

- Current GPA: 3.54/4.00

WORK EXPERIENCE

Shopee Xpress (SPX) & ShopeeFood, Surakarta, Indonesia

September 2025 – Present

- Successfully balanced a full-time Engineering study load with professional logistics work, fulfilling 20+ orders daily under tight deadlines.
- Maintained a 98% on-time delivery rate and high customer satisfaction scores through effective route planning and time management.
- Demonstrated high integrity in handling cash transactions and goods, proving readiness for a professional working environment.

CERTIFICATIONS

3G SMAW Training, Surakarta Vocational and Productivity

May 2025

- Off the Job Training Competency Based Training with Specification "SMAW 3G Refreshment"
- Successfully performed vertical up (3G) welding on carbon steel plates with visual acceptance standard.

ENGINEERING & LEADERSHIP EXPERIENCE

Head of Design and Manufacturing Division, Robotika UNS

September 2023 – September 2025

- Spearheaded the mechanical design of high-precision robotic components using SolidWorks, ensuring structural rigidity and manufacturability.
- Managed the Bill of Materials (BOM) and technical documentation, bridging the gap between design concepts and the fabrication process.
- Solved mechanical integration issues, ensuring the robot's housing could accommodate complex wiring and battery systems efficiently.

UAV Programmer & GCS Team, Bengawan Unmanned Vehicle Team

October 2023 – October 2025

- Developed control logic and programs for the UAV's Electronic Speed Controller (ESC) based on IoT, enhancing the drone's flight stability and responsiveness.
- Integrated electrical systems (Sensors, Flight Controller, Actuators) with the main mechanical frame, ensuring the "Program" communicates perfectly with the "Hardware".
- Conducted system troubleshooting and flight data analysis to improve autonomous flight performance.

HONORS & AWARDS

Indonesia Flying Robot Competition 2024, Yogyakarta State University

January 2024 – February 2024

- 2nd Place in Region 1 of the Indonesia Flying Robot Contest 2024 in Technology Development Division

ASSI Aerospace Hackathon 2025, PT Telkom Satelit Indonesia

April 2025 – May 2025

- ASSI's TOP 10 Aerospace Hackathon 2025 finalist with the title "Neutralizing Indonesia's Air Pollution using Quadplane Drone with Wet Scrubber Filtration Fibonacci System and Smart City Integration".

National Welding Contest and Workshop UNS – API 2025 , Sebelas Maret University

July 2025

- Finalist National Welding Contest and Workshop UNS-API 2025 Bachelor Category

Indonesia Flying Robot Competition 2025, Andalas University

October 2025

- 2nd Place in Region 1 of the Indonesia Flying Robot Contest 2025 in Technology Development Division

SKILLS

- **Engineering Software:** SolidWorks (Sheet Metal, Assembly, FEA Simulation), AutoCAD (2D Drafting), Python (Automation Scripting).
- **Manufacturing Knowledge:** Bill of Materials (BOM) Management, ISO/DIN Drafting Standards, Welding Technology (SMAW 3G), Material Selection.
- **General:** Microsoft Excel (Advanced Data Processing), PowerPoint (Technical Presentation).
- **Soft Skills:** Engineering Leadership, Adaptability (Proven in Logistics), Critical Problem Solving, Time Management.