



MUHAMMAD FAREL HAWAARI

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As a dedicated Mechanical Engineering student at the Islamic University of Indonesia, I specialize in piping, design manufacture, and maintenance. I thrive in collaborative team environments, applying critical, creative, and communicative thinking to achieve outstanding results. Fueled by a passion for continuous learning, I bring hands-on experience as a Mechanical Engineer and Project Manager, enhancing my problem-solving skills. Eager to contribute my skills and enthusiasm to impactful projects.

Education Level

Universitas Islam Indonesia - Yogyakarta, Indonesia Jun 2020 - Oct 2024 (Expected)
Bachelor Degree in Mechanical Engineer, 3.34/4.00

- Successfully coordinated engineering events, fostering a collaborative environment for student talent and innovation.
- Won 1st place in the faculty innovation competition in 2023

Work Experiences

PT. Stechoq Robotika Indonesia - Sleman, Yogyakarta Aug 2023 - Dec 2023
Mechanical Engineering & Project Manager Intern

- Led the team to achieve a 20% improvement in project efficiency.
- Implemented effective project management, reducing project timelines by 15%.
- Increased production output by 25% by improving manufacturing processes. Conducted detailed mechanical analysis, enhancing product performance by 30%.

Universitas Islam Indonesia - Sleman, Yogyakarta May 2023 - Aug 2023
Coordinator of Basic Physics Practicum Assistant

- Achieved a 20% improvement in student comprehension of lesson concepts.
- Consistently checked and assessed practical assignments, ensuring a 95% accuracy rate in grading and feedback delivery.

Universitas Islam Indonesia - Sleman, Yogyakarta Mar 2022 - Aug 2023
Laboratory Assistant of Automation and Mechatronics

- Improved practical assignment outcomes by 25%.
- Trained student in Arduino programming, automation, and mechanic fluids, and optimizing laboratory equipment increase in efficiency.

Organisational Experience

Ikatan Ahli Teknik Perminyakan SM UII (IATMI SM UII) - Oil and Gas Dec 2022 - Sep 2023
Public Relations Staff

- Enhancing expertise in the oil and gas industry while fostering collaborative relationships with stakeholders.
- Successfully coordinated internal efforts to process and utilize obtained information, contributing to a 20% increase in operational efficiency through streamlined data processing.

Uil Albab Student Centre UII (UASC UII) - Electric Vehicle Aug 2022 - Present
Mechanical Division Staff (Body dan Design)

- Led the entire car body production lifecycle, covering design to manufacturing, and executed mechanical maintenance, particularly focusing on body parts.
- Achieved a substantial increase in production efficiency through streamlined processes and implemented preventive maintenance measures, ensuring prolonged durability and heightened client satisfaction

Skills, Achievements & Other Experience

- **Projects** 📌 (2023): Designed and implemented an IoT-integrated drip water system with sensors for improved plant health and water efficiency. Managed the project individually, ensuring timely completion and successful integration of IoT technology
- **Projects** 📌 (2023): Managed the manufacture and analysis of an Automatic Onion Cutting Machine, optimizing processes for a 20% increase in production output and ensuring machine precision and reliability.
- **Projects** 📌 (2023): Led SPARK LAB team in PT. Stechoq Robotika Indonesia to develop an integrated IoT trainer kit for control as Project Manager for Mechanical Engineering. Successfully delivered the project on time, advancing IoT applications for education
- **Hard Skills** 📌 (2023): Mechanical Design certifications by Solidworks
- **Soft Skills** 📌 (2022): Basic HTML certifications by Sololearn