

Evan Zayyan

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A Mechanical Engineering graduate from Sebelas Maret University (GPA 3.43) with academic and hands-on experience, including an internship at PT Pelabuhan Indonesia, managing machinery maintenance and quality control. Successfully designed 1 kW water turbines as a Research Assistant and mentored 130+ students as a Laboratory Assistant.

Active in leadership roles, I managed teams of up to 150 members in KMTM and HMI FT UNS, enhancing organizational performance through effective communication and strategic planning. Adaptable, responsible, and team-oriented, I am highly motivated to contribute to achieving a company's goals while growing professionally.

EDUCATION

Bachelor of Mechanical Engineering

Sebelas Maret University

Sep 2020 - Sep 2024

GPA: 3.43 of 4.00

WORK EXPERIENCE

PT Pelabuhan Indonesia Technical Staff (Internship)

North Jakarta, Indonesia

Jan 2023 - Mar 2023

- Collaborated with port staff on projects, by coordinating tasks and sharing expertise to ensure successful project completion.
- Performed routine inspections, repairs, and replacements of production machine components, by following maintenance schedules to ensure smooth operation and minimize downtime.
- Managed and reported on production quality control data sheets, by analyzing production data and ensuring compliance with quality standards.

Sebelas Maret University Research Assistant Lecturer

Karanganyar, Indonesia

Jun 2023 - Jan 2024

- Identified potential locations and conducted research for the installation of hydro turbines at the educational tourism site in Gentungan, Mojogedang, Karanganyar.
- Successfully designed and manufactured Horizontal Axis Water Turbines (HAWT) and Vertical Axis Water Turbines (VAWT) with a capacity of 1 kW.

Sebelas Maret University Assistant of Thermodynamic and Heat Transfer Laboratory

Surakarta, Indonesia

Sep 2023 - Jun 2024

- Assisted Budi Kristiawan, S.T., M.T., in facilitating the Basic Machine Phenomena and Engine Performance Practicum for over 130 third-year mechanical engineering students.
- Guided students in understanding Dehumidification and HVAC processes through support sessions, data collection, and experimental procedures.
- Supervised students in drafting final reports based on experimental results, ensuring compliance with practicum standards.

CERTIFICATIONS

BNSP

Jul 2024

Occupational Health and Safety

[Certificate](#)

ANAK TEKNIK INDONESIA

Dec 2024

Production Planning and Inventory Control Training (PPIC Training)

[Certificate](#)

ORGANIZATIONAL EXPERIENCE

SOCIETY OF RENEWABLE ENERGY (SRE UNS)

Surakarta, Indonesia

Team Member

Oct 2021 - Aug 2022

- Led the team in formulating creative ideas to complete a project on renewable energy.
- Ensured active participation and maximum contribution from all team members throughout the project.

SEBELAS MARET ENERGY AND CLIMATE SUMMIT 2022 (SMECS 2022)

Surakarta, Indonesia

Staff Public Relation

Feb 2022 - Jun 2022

- Acted as a liaison between the committee, speakers, and external parties to ensure all event requirements were well-coordinated.
- Successfully established partnerships with 32 relevant media partners and effectively managed event publications.

KELUARGA MAHASISWA TEKNIK MESIN (KMTM)

Surakarta, Indonesia

Staff of Human Resource and Development

Jan 2022 - Dec 2022

- Managed progression schedule to ensure the event will run on-time with no issues.
- Managed to increase the effectiveness of communication by 100% from the previous level of 76% and increase the number of participants due to the change of the event being offline.

Head of Regeneration at Human Resource and Development

Jan 2023 - Dec 2023

- Led 4 projects, achieving 100% of the set goals.
- Reviewed the overall design for the regeneration of Keluarga Mahasiswa Teknik Mesin (KMTM) and developed a draft evaluation.
- Oversaw and guide the entire orientation committee, consisting of 10 team leaders and 150 members, from preparation through execution to final evaluation.
- Successfully established an assessment system by the steering committee for the divisional leaders of the new student orientation committee.
- Represented the association in supervising new student orientation activities at the faculty level.

HMI FT UNS

Surakarta, Indonesia

Head of Research, Development and Member Training

Aug 2023 – Present

- Successfully built a solid organization through effective consolidation and coordination among members.
- Successfully compiled a database of members and alumni with a success rate of 90%, according to organizational guidelines, and integrated it with related fields of organizational data.
- Successfully organized LK 1 (Basic Training) involving 23 members, ensuring smooth and effective execution

ENGINEERING PROJECT

Hydrum Pump

Surakarta, Indonesia

Autocad, Fusion 360

Sep 2023

- Developed an efficient hydrum pump design that achieved a 40% increase in water conveyance efficiency through gravity, by designing key components such as valves, pipes, and tanks which enhanced overall performance by 35%, and conducted prototype testing and iterative design improvements, resulting in a 30% boost in pump reliability and consistency.

Robot Line Follower

Surakarta, Indonesia

Arduino, Fusion 360

Mar 2022

- Collaborated on the design and construction of a robot capable of autonomously following a path, achieving a 90% success rate in path tracking. Developed and integrated sensor systems, including infrared and color sensors, resulting in a 20% improvement in line detection accuracy.

SKILLS

Software: Autodesk Fusion 360, AutoCAD, SolidWorks, Microsoft Office**Soft Skills:** Quality Control, Maintenance, Leadership, Teamwork, Communication and Coordination, Monitoring and Control, Problem Solving, Project Management, Out-of-the-box critical thinking skills, Soft-persuasive lobbying.**LANGUAGES**

Indonesian (Native proficiency) • **English** (Intermediate)