

IMERLIPTA SEKAR ARTIANINGRUM

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I am a graduate of the State Polytechnic of Madiun, specializing in Rolling Stock Engineering, with a BNSP certification as Welding Foreman. I have one year of experience as a Mechanical Assembler at ŠKODA Group, where I was responsible for assembling and maintaining mechanical components of Helsinki trams and Czech trains, ensuring quality and efficiency. Additionally, during my internship at PT Industri Kereta Api as a Mechanical Designer, I gained hands-on experience in engineering processes, further strengthening my technical skills and problem-solving abilities. With a strong foundation in engineering principles and practical expertise, I am eager to contribute to challenging, technology-driven projects.

Education Level

Politeknik Negeri Madiun – Madiun, Jawa Timur

Aug 2019 - Aug 2023

Bachelor of Applied Rolling Stock Engineering, GPA 3.61/4.00

- Teaching Assistant for a material science and technical drawing course.
- Thesis about Analysis of Noise and Acoustic Characteristics of Stainless Steel Trains within the Railway Industry Context using Principles of Physics. Hands-on experience in analyzing and improving noise and acoustic performance in rolling stock engineering projects.
- Received a prestigious Bidikmisi scholarship from the Direktorat Jenderal Pendidikan Tinggi, Kementerian Pendidikan dan Kebudayaan, recognizing academic excellence and commitment to education.

Work Experience

ŠKODA Transtech – Otanmäki, Finlandia

April 2024 - Februari 2025

Mechanical Assembler Staff

- Installed and aligned critical components such as ceiling panels, seating, and safety equipment within the driver's cabin, ensuring optimal functionality and safety standards.
- Maintained detailed records of assembly processes, while ensuring adherence to engineering specifications and rigorous quality standards.
- Utilized precision measurement tools and collaborative teamwork to meet tight production deadlines without compromising quality.

ŠKODA Transportation – Plzen, Czechia

Nov 2023 - April 2024

Mechanical Assembler Staff

- Interpreted and executed engineering plans, technical design sketches, and product specifications to ensure accurate assembly.
- Operated and maintained hand tools (screwdrivers, wrenches, drills) and machine tools, adhering to strict safety and quality standards.
- Assembled complex components into complete products based on detailed technical drawing instructions, ensuring alignment with engineering specifications.
- Maintained a clean and organized work area and performed basic maintenance on equipment to ensure operational efficiency.
- Contributed to process improvements by identifying assembly workflow optimizations and implementing solutions.

PT Industri Kereta Api (Persero) – Madiun, Jawa Timur

Feb 2022 - Jul 2022

Mechanical Design Intern

- Collaborating with the design team to assist in creating 3D models and detailed technical drawings for mechanical components of the Jabodebek LRT system.
- Participating in design discussions and brainstorming sessions to contribute ideas for optimizing mechanical designs and ensuring compatibility with project requirements.
- Assisting in researching materials, manufacturing processes, and industry standards relevant to the LRT project.
- Supporting the preparation of design documentation, including specifications, drawings, and technical reports.
- Learning from experienced team members and acquiring insights into the practical application of mechanical design principles in a large-scale infrastructure project.

Organizational Experience

Forum Komunikasi Mahasiswa Politeknik Se-Indonesia Wilayah Jawa Timur (FKMPI)

Jan 2021 – Oct 2021

The staff of Social and Community Services

- Coordinate the planning, execution, and evaluation of the FKMPI Peduli and Sahabat Lentera social projects.
- Organize and manage partnerships for the Sahabat Lentera event, including venue arrangements, schedules, and resources.

Badan Eksekutif Mahasiswa Keluarga Mahasiswa – Politeknik Negeri Madiun

Jan 2020 – Dec 2021

The staff of the Ministry of Social Affairs

- Regularly produce well-researched and engaging content that addresses relevant social issues in Indonesia every two weeks.
- Assist in planning, organizing, and executing events to create a positive social impact and enhance public engagement.

Skills, Achievements & Certification

- **Achievements:** 4th Place in the National Essay Contest "Semarak 76" held at the State University of Jakarta in 2021.
- **Soft Skills** : Leadership, Communication Skills, Teamwork, Problem-Solving, Time Management, Adaptability, Interpersonal Skills.
- **Hard Skills** : Mechanical Drafting utilizing Autodesk Inventor, Microsoft Office, Fabrication.
- **Certification** : Welding Foreman (Shield Metal Arc Welding) with BNSP Certification.
- **Language** : Bahasa (Native), English (Advanced).