



BRILIAN MUKTI ALNAJIB

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A graduate of Electrical Engineering with experience as a Project Engineer and Junior Engineering Manager. Skilled in maintenance planning, team coordination, and technical troubleshooting. Experienced in handling preventive and corrective maintenance, scheduling, and operational efficiency improvements. Ready to contribute in a dynamic and challenging engineering environment.

Work Experiences

PT . Pesta Pora Abadi - Malang Oct 2024 - Present

Engineering Junior Manager

PT Pesta Pora Abadi is a rapidly growing F&B manufacturing company that produces all food products for Gacoan restaurants throughout Indonesia, with 216 outlets and ongoing factory expansion.

- Lead the planning of maintenance and machine repairs to reduce breakdowns and expedite repair times.
- Manage cost control for spare parts and energy usage (electricity, water, and gas).
- Implement Capex projects such as WWTP upgrades, renewable energy implementation, new machine procurement, and production system development.
- Manage Engineering Opex to consistently remain below the monthly target, helping to reduce overall production costs.
- Engaged in identifying quality, safety, and food security issues, and responsible for closing findings through technical improvements and corrective actions.

PT . Pesta Pora Abadi - Malang Oct 2023 - Oct 2024

Management Trainee

- Supervise the construction of CP 2 Factory to ensure compliance with GMP standards and Food Safety."
- Lead the installation of WWTP utilities and ensure timely execution and successful commissioning.
- Direct, supervise, and make corrections in case of errors during the commissioning of production machines and utilities, ensuring a smooth startup without issues.
- Develop preventive maintenance plans by creating effective checklists, time management, and spare parts management to reduce breakdowns and maintain production performance.

Education Level

Universitas Brawijaya - Malang Aug 2019 - Jul 2023

Sarjana Teknik Elektro, 3.61/4.00

- Participate in practical projects and simulations related to power flow analysis, load studies, generator synchronization, motor control, and high voltage applications.
- Serve as a Research Lab Assistant in a laboratory focused on testing the efficiency of electric motors and power electronics-based speed control systems.
- Achieved consistent academic performance with a strong focus on high voltage engineering and electrical power systems.
- Actively participated in the KRI (Indonesian Robot Contest) competition in the field of Robotics, both in management and technical aspects, with a focus on the development and implementation of innovative solutions.
- Conducted fieldwork practice in the power generation sector under PT Paiton's CSR program to help the residents of Probolinggo Village gain stable electricity.
- Completed the final project titled: 'Analysis of Power Loss in the PLTMH Distribution System Unit A1 and A2 in Andung Biru Village, Tiris Subdistrict, Probolinggo.'

Organisational Experience

Electric Machines Laboratory Jul 2022 - Jul 2023

Head of Division

- Lead the maintenance of practical machines, prepare materials according to the curriculum, ensure the equipment is in good condition, and ensure that Electrical Engineering students understand both theory and practice well.
- Mentor new laboratory assistants in understanding practical materials and the use of laboratory equipment.

Brawijaya Robotics Teams Jun 2022 - Jun 2023

Chairman

- Responsible for leading and planning the Robotics department's participation in the KRI 2022 and 2023 competitions.
- Develop strategies, plan research innovations, and coordinate between division heads.
- Arrange accommodation, procure spare parts, and create an effective timeline.
- Implement structured management to ensure the team works optimally, innovates, and is ready to face challenges.

- Successfully led the team to participate in KRI 2022 and 2023, with performance improvements each year.

Electric Machines Laboratory

Jul 2021 - Jul 2022

Laboratory Assistant Member

- Prepare materials, provide teaching materials, and teach Electrical Engineering students for Electrical Energy Conversion and Electrical Machines practicals.
- Deliver theory and concepts systematically, guide students in assembling and operating practical equipment.
- Ensure students' understanding through interactive discussions and provide quizzes and exams for comprehension evaluation.
- Successfully improved students' understanding of theory and practice, with an average exam and quiz score increase each semester.
- Increase student engagement in discussions and practical experiments, making the learning process more interactive and effective

Brawijaya Robotics Teams

Jun 2021 - Jun 2022

Head of Division

- Lead and prepare the needs of the KRSRI Evacuation and Firefighting Robot division team for the KRI 2022 competition.
- Develop mechanical planning and design, and coordinate with the electrical team in system development.
- Ensure the smooth progress of research, component procurement, and team readiness for the competition."
- Successfully led the team to the KRI 2022 competition with effective design innovations, improving team performance compared to the previous year.

Brawijaya Robotics Teams

Jun 2020 - Jun 2021

Member of Division

- Member of the KRSRI Evacuation and Firefighting Robot Division, involved in research and development of the robot for the KRI competition preparation.
- Support the team with testing, design refinement, and technical problem-solving.
- Coordinate with the mechanical and electrical teams to ensure the robot is ready for competition.
- Successfully contributed to the development of a competitive robot, enhancing the team's readiness for the KRI competition.

Skills, Achievements & Other Experience

- **Hard Skills:** MATLAB, ETAP, AutoCAD, Inventor, Microsoft Office, Microsoft Excel, Bill of Quantities (BOQ) and Electrical Budget (RAB) Preparation, Spare Parts Management, Understanding of Occupational Health and Safety (OHS) Standards, Electrical System Analysis and Simulation, Maintenance Planning, Engineering Data Processing.
- **Soft Skills:** Leadership, Decision-Making, Time Management, Team Communication, Cross-Division Coordination, Problem-Solving, Critical Thinking, Innovation, Collaboration, Mentorship, Attention to Detail, Responsibility, and Adaptability.
- **Achievements (2021):** Developing 2D/3D Design Modeling with Inventor - Best Participant - Non-Academic.
- **Achievements (2021):** Paper Competition Energy Day 2021 - 3rd Place - Academic - National
- **Language:** Indonesian (Native), English (TOEFL: 607)
- **Certification and Training.** (2024): POPAL Certification (Wastewater Treatment in Industry) - Waterpedia.