

ADITYA FAHMI

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EXPERIENCE

PT. RIAU SAKTI UNITED PLANTATIONS – Riau, Indonesia

Management Trainee Electrical Engineer

Aug 2024 – Now

- Led operational processes and ensured compliance with SOP and OHS, resulting in a 15% increase in operational efficiency and a 20% improvement in safety compliance.
- Performed routine maintenance and repair on machinery, reducing machine downtime by 10% through the implementation of a preventive maintenance program.
- Enhanced technical recording and reporting systems, improving repair response time by 25% and reducing reporting errors by 30%.

UNIVERSITY OF NORTH SUMATRA – Medan, Indonesia

Graduate Student Researcher

Aug 2023 – Feb 2024

- Led a research project analyzing the impact of Quadrature Amplitude Modulation (QAM) variation on the performance of Radio over Fiber (RoF) systems using Erbium-Doped Fiber Amplifiers (EDFA).
- Optimized signal processing techniques using Optisystem, improving signal clarity by 20% and system stability by 15%.
- Developed technical skills in optical communication, modulation techniques, and signal processing optimization, enhancing RoF system reliability and efficiency.

PT. BUKIT MAKMUR MANDIRI UTAMA – Banjarmasin, Indonesia

Plant Supervisor Intern

Feb 2023 – Jun 2023

- Implemented maintenance and repair plans for mining production equipment, resulting in 15% cost savings and a 20% increase in average uptime.
- Managed spare parts inventory to minimize downtime and maximize operational efficiency, improving parts availability by 95%.
- Designed and executed strategic plans for component replacement and set Plant KPIs, increasing daily productivity by 25%.

B20 Jakarta – Jakarta, Indonesia

Publication Project Analyst

Feb 2023 – Jun 2023

- Coordinated Publication Officers across all SRE Student Chapters, overseeing the creation and delivery of publication materials, leading to a 15% increase in social media engagement over six months.
- Managed the Essay Competition and International Webinar projects, exceeding participation targets by attracting over 80 local teams and 30 international teams.

PT. TELKOM AKSES – Medan, Indonesia

Electrical Maintenance Intern

Jun 2022 – Dec 2022

- Assisted with attenuation checks using Optical Power Meters and Optical Network Terminals, ensuring compliance with industry standards and improving network reliability.
- Analyzed and studied FTTH configurations, enhancing troubleshooting efficiency and reducing system downtime by 15%.
- Completed a two-month training program at PT. Telkom Akses, achieving a 90% proficiency rate in customer service protocols and SLA.

LEADERSHIP

SOCIETY OF RENEWABLE ENERGY INDONESIA – Medan, Indonesia

Project Management Staff

Apr 2022 – Apr 2023

- Presented at the SRE Go to School program at SMAN 3 Medan, increasing student understanding of renewable energy by 30%.
- Led renewable energy projects, completing programs on time with 90% of project targets achieved.
- Managed event documentation and reporting, resulting in a 40% increase in audience participation within three months post-event.

ASSESSOR BEGINNER UNDIP – Medan, Indonesia*Education, Research and Professional Staff**Aug 2021 – Aug 2022*

- Managed activities in the ERP ASSESSOR BEGINNER division, increasing operational efficiency by 20% and event participation contributions by 24%.
- Led the "Gas Commercial and Operational" webinar with PT. PERTAMINA Gas Niaga, achieving more than 90% attendance and increasing industry awareness by 30%.
- Moderated the "Quality Inspector Ship Repair" webinar with PT. PAL Indonesia, increasing participation and understanding of ship inspections by 30%.

EDUCATION

UNIVERSITY OF NORTH SUMATERA – Medan, Indonesia*Aug 2019 – May 2024*

- Bachelor of Engineering, Electrical Engineering; Cumulative GPA: 3.57/4.0
- Thesis: Analysis of the Effect of Quadrature Amplitude Modulation (QAM) Variation Using EDFA Optical Amplifier on Radio Over Fibre (RoF) Performance

PT. INFORMATICS INTEGRATION PARTNER – Medan, Indonesia*Aug 2022 – Dec 2022*

- Cyber Security, Network Security Operation Centre,
- Implementing Network Based Firewall Functionality: Blocking Unwanted Website Access Using Pfsense Firewall.

ACADEMY OF AVIATION ENGINEERING AND SAFETY – Medan, Indonesia*Aug 2019 – Aug 2019*

- Practice installing fiber optic cables using a splicer
- Studying the FTTH topology used in the process of transmitting information signals on fiber cables

ADDITIONAL

- **Technical:** Optisystem, Multisim, Electrical Wiring, Preventive Maintenance, Technical Reporting, Machinery Operation, Safety Compliance, Data Analysis, Project Management.
- **Languages:** Bahasa (Proficient), English (Intermediate)