



BIMA ADINATA NAMARA

Engineering | Digital Transformation | IT & Automation

namarabima03@gmail.com | [linkedin.com/in/bima-adinata](https://www.linkedin.com/in/bima-adinata) | bimanamara.my.id

(+62) 853-3457-8975 | Mejayan, Madiun, East Java

SUMMARY

Electrical Engineering graduate from **University of Indonesia** with professional experience across **banking, mining, and energy industries**. Passionate about building practical solutions through engineering and technology. Experienced in **enterprise system development, workflow automation, and digital transformation**, with a strong focus on **improving business processes** and **operational efficiency**. Eager to contribute to engineering, technology, and digital innovation projects.

EDUCATIONAL BACKGROUND

UNIVERSITY OF INDONESIA

August 2020 – January 2024

Bachelor of Electrical Engineering (GPA 3.80 / 4.00)

- **Thesis Title** : “Peak Load Management Strategy Through Distributed Bidirectional Charging Scheduling for Electric Vehicle (EV) Using a Combination Rooftop Solar Photovoltaic Penetration on 20kV Distribution Network”.
- **Scholarship** : Sarjana Unggulan Scholarship by Bank Indonesia, 2022 – 2024.

WORK EXPERIENCES

PT BANK NEGARA INDONESIA (PERSERO) TBK.

September 2025 – Now

Assistant Manager – IT System Release Management Officer

- Verified completeness and compliance of **8+ mandatory prerequisite** documents for 2–5 infrastructure/security change activities per month prior to Release Control Board (RCB) submission.
- **Facilitated bi-weekly Pre-RCB and RCB forums** involving **4 cross-divisional stakeholder** groups (IFM, CISO, APS, SORX4), coordinating quorum at Department Head (RCB-C) and Division Head (RCB-B) levels.
- **Managed release governance controls** including weekly prerequisite deadline enforcement, fallback/rollback documentation, power-of-attorney handling, and post-RCB follow-up communications via Microsoft Teams and Outlook.
- **Produced formal meeting** minutes and audit trail records to ensure IT change management compliance with internal governance standards.
- **Led the development of NEXA** (Next-Gen Enterprise Administration System) using Microsoft Power Platform, reducing administrative **processing time by 80%**, **saving 128+ work hours annually**, enabling real-time Release Control Board (RCB) monitoring, and eliminating additional software licensing costs.

PT PAMAPERSADA NUSANTARA (ASTRA GROUP)

August 2024 – July 2025

Safety, Health & Environment Officer (SHE Officer)

- **Studying the overall coal mining business processes** at PT Bukit Asam (Persero) Tbk.
- Conducting recommissioning of **approximately 516 units and commissioning** of new units to ensure operational readiness and optimal performance.
- Executed **100+ SHE field activities** monthly covering patrols, planned inspections, PTO observations across 10+ equipment types (HD, PC, LD, LV, NPE), and high-risk area monitoring.
- Conducted **PSMS (Permen ESDM 26/2018) internal audit** across 5 elements, identifying 20+ gap findings and formulating corrective action plans; achieved overall audit score of **89%**.

- Implementing daily SHE (Safety, Health, and Environment) activities, delivering **safety talks to 50+** personnel, and conducting **safety inductions for 30+** new or returning employees.
- **Identifying and reporting 20+ potential** hazards through safety observations to prevent incidents and improve workplace safety.
- Led an improvement **project targeting zero property damage** incidents in the Plant Department (NPE Operators), following a 600% incident surge in 2024 that caused losses of ~Rp 41.8 million.

PT FREEPORT INDONESIA

January 2024 – March 2024

Junior Underground Mine

- Successfully completed the "**General Safety Induction**" training at PT Freeport Indonesia, which included sessions on emergency procedures, safety protocols, and key contact information for emergencies.
- Gained hands-on experience through an internship at PT Freeport Indonesia, involving exposure to mining operations, safety protocols, and the overall business processes of the company.
- **Received comprehensive training** in Underground Mining, covering topics such as risk assessment, fire prevention, emergency procedures, and operational safety. Certified in Induksi Keselamatan Pertambangan Area Non Underground.
- Contributed to an **electrical system expansion project** in the **underground mining area**, including load identification, power distribution design (13.8 kV / 1 kV systems), and voltage drop analysis across switchgear and substations.
- Successfully completed various training modules, including FUMT (Fundamentals Underground Mandatory Training) sessions, covering topics such as **abutment awareness, spotting, seismic awareness, ventilation, general inspection, and ground support**.

UNIVERSITY OF INDONESIA

June 2022 – January 2024

Laboratory Assistant for Electrical Energy Conversion

- Responsible for **organizing two laboratory sessions**: Electrical Power Engineering Laboratory and Power Electronics Laboratory.
- Responsible for **compiling 10 learning modules to be distributed to students** participating in both Electrical Power Engineering and Power Electronics laboratories.
- Successfully conducted courses, corrected laboratory reports, and provided feedback to **315 engineering students from University of Indonesia** and **117 engineering Students from Singaperbangsa Karawang University** regarding Electrical Power Engineering and Power Electronics laboratories.

UP2M DTE FTUI x PT PLN PERSERO

September 2023 – December 2023

Laboratory Assistant for FTUI Lecturer's Project

- Collaborated with PT PLN (Persero) UIP2B Java, Madura, and Bali in conducting studies and mitigating voltage stability on the electrical systems of Java, Madura, and Bali using DigSILENT PowerFactory 2021.
- Contributed to the compilation of reports, assisted in problem-solving related to the validation of capability curves, PV curves, load modeling, and simulation of voltage vulnerability conditions (overvoltage/undervoltage).
- Responsible for and innovated in validating and **modeling 3-5 generator capability curves using DigSILENT PowerFactory 2021** simulation software, enabling the identification of generic models based on historical **data over a 24-hour period within 2 days**.
- Contributed to assisting colleagues in modeling and validating PV curves and successfully **validated PV curves for 7 GITET 500 kV and 15 GI 150 kV using DigSILENT PowerFactory 2021** simulation software.

PT PLN PERSERO UIP2B JAMALI

February 2023 – April 2023

Power System Protection

- Acquired various teaching modules provided by my mentor, focusing on fundamental theories relevant to my future work.
- Responsible for assisting employees in installing DPAC (Discrete Programmable Automation Controller), SEL – 2440, and OFR in the teleprotection system section to the panel, enabling monitoring of protection equipment through the Wide Area Monitoring System (WAMS).
- Responsible for documenting single-line diagrams in the interconnected system of Java, Madura, and Bali.
- Responsible for **populating the database with over 50 Master Trip Declaration System (MTDS) entries**, including Phasor Measurement Units (PMU) and Disturbance Fault Recorders (DFR).

UNIVERSITY OF INDONESIA

February 2022 – June 2022

Lecturer's Assistant in Mechanics and Thermophysics

- Responsible for **monitoring 37 first-year students**, contacting relevant professors weekly, conducting plagiarism checks, and more.
- Corrected **1 group assignment** and **2 quizzes** for a total of **37 first-year students**, providing assistance and teaching them online.
- Created and organized a logbook for **assessing 37 first-year students** in the form of an Excel database to facilitate grade input into the system..

ORGANIZATIONAL AND COMMITTEE EXPERIENCES

UNIVERSITY OF INDONESIA ROBOTICS

February 2022 – December 2023

Programmer for Computer Vision

- Tasked with handling computer vision to enable the robot's vision to recognize objects and process specific images using a single-board computer.
- Participated in the "Kerja Bareng" routine in West Java twice a week, discussing weekly progress using the 3P framework (Progress, Problem, Plan), resolving issues to ensure smooth operations, and planning future steps for respective job descriptions.
- **Documented around 1500 to 2000 photos** of objects such as poles, balls, goals, out lines, and successfully **labeled the dataset using Roboflow and Labeling software for 500 photos**. The remaining labeled data will be shared with the team.
- Participated in and attended the National Robot Contest (Kontes Robot Indonesia) in 2022 organized by the Ministry of Education and Culture.

EXACTA FACULTIES EXPO AND FAIR

September 2022 – January 2023

Director of Publication, Design and Documentation (PDD)

- Successfully **recruited 5 out of 12 highly qualified students** for the PDD Division staff, enhancing our team's capabilities.
- **Coordinated 5 PDD Division teams**, ensuring seamless event execution and achieved a successful collaboration.
- Responsible for documenting each event, designing and publishing event posters to ensure the success of the campus Expo, creating floor plans, generating attendance barcodes, capturing event photos, providing live reports for each event, and designing lanyard ideas.
- Acted as the Zoom meeting operator during welcoming events or introductory speeches for new committee staff from various departments such as PDD / IT Division, Event Division, Equipment Division, and Public Relations Division.

ASSOCIATION OF ELECTRICAL ENGINEERING STUDENTS

January 2022 – December 2022

Academics and Professions Expert

- Serving as an Expert Staff in Academic and Professional Fields and **coordinating with 15 executive bodies, assisted by 5 other colleagues.**
- Being Person in Charge for the Akpro website, overseeing updates and revisions of course ebooks.
- Responsible for academic **mentoring of 168 first-year students.**
- As a steering committee, I successfully **gained a profit of Rp1,588,500** from the **sale of lecture materials to 110 students**, particularly those in the first and second years.
- Attending bi-weekly routine meetings to discuss the progress of each program that will be implemented in the future

ASSOCIATION OF MADIUN STUDENT FROM UI *Communication and Information Division Staff*

August 2020 – February 2021

- Conducted visits to several high schools and organized Campus Expos in **approximately 2-3 high schools**, conducting outreach in multiple classrooms with **around 200 students.**
- Served as an IT/Operator during the tryout event organized by IKAMMA UI.
- Created various information related to tips and tricks for admission to the University of Indonesia through all available channels.

TECHNICAL SKILLS

- **Programming Languages** : Proficient in developing web applications and automation solutions using JavaScript, TypeScript, Python, HTML, CSS, and MATLAB. Experienced in building responsive user interfaces, integrating APIs, and developing scalable digital solutions.
- **Frontend Development** : Experienced in designing and developing responsive web applications using React.js, Next.js, Tailwind CSS, and Framer Motion, with a focus on user experience, performance, and modern interface design.
- **Microsoft Power Platform** : Skilled in developing enterprise applications and workflow automation using Power Apps, Power Pages, Power Automate, SharePoint, and Microsoft Lists to improve business processes, document management, and operational efficiency.
- **IT Operations & Digital Transformation** : Experienced in Release Management, workflow automation, business process analysis, system documentation, User Acceptance Testing (UAT), and cross-functional collaboration to support enterprise digital transformation initiatives.
- **Engineering Software** : Proficient in power system analysis, electrical design, and engineering simulations using DIgSILENT PowerFactory, ETAP, AutoCAD, PSIM, HOMER Pro, and Proteus.
- **Development Tools** : Experienced in using Visual Studio Code, Visual Studio, Git, GitHub, and Postman for software development, version control, debugging, and API testing.
- **Data & Productivity** : Skilled in Microsoft Excel, Word, PowerPoint, Microsoft Teams, and Google Workspace for technical documentation, reporting, data analysis, and project collaboration.
- **Design & Multimedia** : Experienced in creating technical documentation, presentations, UI mockups using Figma, and visual content using Adobe Illustrator, Adobe Photoshop, Canva, and CapCut.

LANGUAGE

- **Indonesian** : Native Proficiency
- **English** : Professional Working Proficiency

CORE COMPETENCIES

- **Digital Transformation & Process Improvement** : Experienced in driving digital transformation initiatives through workflow automation, enterprise system development, and process improvement to enhance operational efficiency and business performance.

- **Microsoft Power Platform** : Proficient in developing business applications and workflow automation using Power Apps, Power Pages, Power Automate, SharePoint, and Microsoft Lists to streamline operations and improve productivity.
- **Enterprise Systems & IT Operations** : Skilled in enterprise application development, Release Management, business process analysis, User Acceptance Testing (UAT), system documentation, and cross-functional collaboration within enterprise environments.
- **Software Development** : Experienced in designing and developing responsive web applications using JavaScript, TypeScript, React.js, Next.js, HTML, CSS, and modern frontend technologies.
- **Engineering Project & Problem Solving** : Strong analytical and problem-solving skills with experience delivering engineering and digital solutions across banking, mining, and energy industries.

CERTIFICATION AND TRAININGS

- **TOEFL ITP Test**, Lia Pramuka, 2024
TOEFL Score : 536.
- **ISO 9001:2015 Internal Auditor Certification Training**, Expert Club Indonesia, 2024
Including Modules : Introduction to Quality Management System, Audit Management & Programme Planning, Audit Techniques & Process Approach & etc.
- **PSMS Coaching Elemen 1-5**, PT Pamapersada Nusantara, 2025
Including Modules : Organisasi dan Kepemimpinan, Perencanaan, Implementasi & Operasi, Pemantauan; Evaluasi & Tindak Lanjut, Tinjauan Management & Peningkatan Kerja.
- **SKKP – Pengawas Keselamatan Pertambangan (PMB.PO02.001–008.01)**, PT Pamapersada Nusantara · Distrik MTBU · Mei 2025
- **ODP IT Operations Bootcamp – BNI 2025**, Rakamin Academy, Oct – Nov 2025
Including Modules : Introduction to IT Operation, Portfolio Creation & Mini Project.
- **Sekolah Pasar Modal Bursa Efek**, PT Bursa Efek Indonesia, 2025
Including Modules : Capital Market Fundamentals, Investment Instruments, Stock Analysis & Trading Simulation.
- **Adobe XD Mega Course – User Experience Design**, Udemy, 2021
Including Modules : Introduction, Basics Of XD Design Mode, Design Mode Homework, Basics of XD Prototype Mode, Some Advanced Techniques, Wallet X Website Design, E – Commerce Mobile App.
- **Adobe InDesign 2021 Ultimate Course**, Udemy, 2021
Including Modules : Introduction, Creative Cloud, InDesign, Projects, Conclusion, Archived.
- More at www.bimanamara.my.id

ACHIEVEMENTS AND AWARDS

- **1st Place & Best Presentation**, Cakrawala Invention and Innovation Fair (CIIF) Competition, Malang State University, 2023
- **Speaker at "Ceritera Ikamma" Podcast**, Association of University of Indonesia Students in Madiun,
[Podcast Link](#)
- More at www.bimanamara.my.id

PROJECTS AND PORTFOLIO

- **Personal Portfolio Website** – interactive web portfolio built with Next.js & React Three Fiber, [Link](#)
- **Website “Pintu Blogger”** with over 125 articles posted from 200K+ users, [Link](#)
- **Embedded System: SpowCom**, a Smart Power Consumption Monitoring, [Link](#)
- **Capstone Project: WaterDSlytics**, Integrated Water Depth Monitoring System IoT-based, [Link](#)
- More projects at bimanamara.my.id