

Dian Novita

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SUMMARY

Chemical Engineering graduate with laboratory experience as a Teaching Laboratory Assistant and an intern at the PLN Nusantara Power Paiton Laboratory. Experienced in conducting sample testing and analysis, operating laboratory equipment, processing and interpreting test data, and evaluating results against established parameters. Completed Quality Control training and accustomed to working accurately and systematically while following standard procedures to ensure reliable test results. Possess strong analytical skills, attention to detail, and accuracy, with a strong interest in pursuing a career in Quality Control and Quality Assurance.

EDUCATION

Universitas Brawijaya, Malang

2022 – 2026

Bachelor of Chemical Engineering

GPA: 3.71/4.00

- **Relevant Coursework:** Analytical Chemistry, Organic Chemistry, Chemical Instrumentation, Basic Statistics, and Chemical Engineering Laboratory Practice.
- **Plant Design Project :** Preliminary Design Of A Sodium Carbonate (Na_2CO_3) Plant From Naoh And CO_2 Using The Carbonation Process With A Capacity Of 85,000 Tons/Year.

INTERSHIP EXPERIENCE

PT PLN Nusantara Power UP Paiton

Juli 2025 – Agustus 2025

Intern

- Performed laboratory analyses across three main areas—water chemistry, coal analysis, and lubricant/oil analysis—to support condition and quality monitoring in power generation processes.
- Gained an overall understanding of steam power generation, from coal handling and combustion to energy conversion into electricity through direct observation of plant units.
- Calculated boiler efficiency by applying energy balance principles and fundamental Chemical Engineering concepts as a special assignment during the fieldwork.

ACADEMIC EXPERIENCES

Department of Chemical Engineering, Universitas Brawijaya

2024 – 2025

Laboratory Teaching Assistant

Organic Chemistry · Bioprocess · Physical Chemistry · Chemical Engineering Operations

- Prepared laboratory materials, solutions, and media according to experimental requirements, including agar media, acid solutions at specified concentrations, and other chemicals.
- Assisted 15–20 students in each course through small-group sessions of 2–4 students, guiding experimental procedures and concepts.
- Prepared pre-tests, graded laboratory reports, and assessed students' experimental work.
- Coordinated with lecturers and Educational Laboratory Technicians (PLP) in preparing and conducting laboratory sessions.

ORGANIZATION EXPERIENCES

Chemical Engineering Student Association, Universitas Brawijaya

Head of Cadre Development Division — Human Resources Development Department

Juni 2025 – Mei 2026

- Led and coordinated 10 staff members in implementing division work programs, including monitoring progress, developing and tracking KPIs, evaluating program achievements, and ensuring administrative documents such as budgets, accountability reports, and final reports were completed according to requirements and deadlines.
- Supervised the planning and implementation of Human Resources Development Department programs, including reviewing concepts, materials, implementation flow, and alignment with established objectives and values.
- Coordinated with the BPI and BPH of the Chemical Engineering Student Association to ensure programs were implemented as planned and cross-division needs were well coordinated

Staff Member — Human Resources Development Department

Juli 2024 – Mei 2025

- Supported several work programs, including LKMM-TD, PP LKMM-TD, and Organizational Management Training, by ensuring the readiness of concepts, materials, budgets, and event implementation.
- Managed administrative and coordination needs, including budget preparation, preparation monitoring, and post-event evaluation with relevant parties.

ORGANIZATION EXPERIENCES

PROBONMABA Krypton, Department of Chemical Engineering, FT-UB

2025

Head of Event Division

- Coordinated 7 sub-divisions comprising 40–50 committee members to translate the event concept into a systematic execution plan through to the event day.
- Monitored progress and ensured effective coordination among subdivisions in accordance with the established timeline and event concept.

Konsolidasi Eksternal Internal (KONEKSI) XIII, Department of Chemical Engineering, FT-UB

2024

Steering Committee

- Developed the preliminary and main event concepts and established the implementation timeline.
- Directed and supervised approximately 90 committee members to ensure all activities were carried out in accordance with the established concept and objectives.
- Evaluated committee members' understanding and implementation to ensure consistent execution of the event concept.

SKILLS

Technical: Microsoft Office · Microsoft Excel · Data Analysis · Canva · Laboratory Analysis

Languages: Indonesian (Native) · English (Intermediate)

Training:

- Process Simulator Software Training 2025 — HMTK FT-UB
- ISO & Management Systems: ISO 9001:2015 · ISO 14001:2015 · ISO 45001:2018
- Occupational Health & Safety (OHS) & Risk Management
- Quality Assurance & Quality Control

Speaker Experience:

- Delivered a session on “Work Schedule Planning” at LKMM-TD 2024, Department of Chemical Engineering, FT-UB