



ROSA NURHALIZAH

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Profil

An enthusiastic and energetic recent graduate in chemistry with extensive experience as a Chemical Analyst and Laboratory Assistant. Equipped with a systematic understanding of quality systems and industry standards, experience in laboratory instrumentation, and innovative problem-solving skills. Currently looking forward to expand my career within Quality Control, Quality Assurance, Research and Development (R&D).

Education Background

Universitas Jenderal Soedirman – Purwokerto

July 2021 – August 2025

Bachelor's Degree Chemistry | GPA: 3,61/4,00

- Thesis: Synthesis of Na₂EDTA-Modified Nata De Coco Cellulose Membrane for Lead (Pb) Heavy Metal Adsorption (Grade: A)
- Relevant Courses: Analytical Chemistry, Natural Product Chemistry, Organic & Inorganic Chemistry, Chemical Quality Assurance, Laboratory Techniques, Additive Analysis

Work Experience

Dwimitra Ekatama Mandiri (Construction MEP)

Nov 2025 – Now

QC/QA Administration

Project E2 DCI Data Center Surabaya & Project PDG Data Center JC2

- Prepared 500+ Continuity Test reports to ensure that electrical cables are not broken and can conduct electricity.
- Prepared 400+ Insulation Resistance Test reports to measure insulation resistance and ensure that there are no current leaks that could cause system failure.
- Prepared 300+ Torque Test reports to determine the safety and durability of cables, connectors, and handheld devices.
- Prepared 80 MOS (Material On Site) reports to monitor the availability of materials.
- Handled all forms of test invitations, tool loans, and tool returns.
- Created 200+ reports on Contact Resistance, Positioning, and phase rotation busduct.

Universitas Jenderal Soedirman – Purwokerto

Sept 2024 – May 2025

Laboratory Assistant

- Conducted 5 lab sessions for 150+ students, providing training on UV-Vis instrumentation, titration methods, and laboratory safety protocols.
- Designed assessment quizzes, tracked student experimental data, and delivered 100% accurate evaluation reports to the supervising lecturer.
- Managed the availability of chemicals and laboratory equipment, while maintaining adequate inventory levels to support all experimental activities.

BBPMGB LEMIGAS – South Jakarta

August – Dec 2023

Internship

- Analyzed 70+ rubber samples using DSC (Differential Scanning Calorimetry) and Melt Flow Index testing methods in compliance with ASTM standards, ensuring material quality and performance reliability.
- Processed 100+ LPG and natural gas samples through GC (Gas Chromatography) with a weekly throughput of 20 samples, maintaining 90% accuracy rate in all analytical results.

- Handled data management for 100+ rubber and LPG test samples and instrument usage logs. Also curated over 15 key audit documents, including SOPs, facilitating efficient internal audits and regulatory readiness.
- Conducted supplementary quality assessments on 30+ polymer specimens, providing critical data for new product development projects.

BRIN – South Tangerang

July – August 2023

Internship

- Developed and analyzed activated carbon from tea waste for CO₂ adsorption, employing FTIR, BET, and TPD-CO₂ to characterize its properties for environmental remediation.
- Optimized activation conditions (temperature and time), resulting in an 18% increase in CO₂ adsorption capacity compared to initial experiments.
- Conducted 10+ repeated adsorption tests to ensure material performance consistency, verifying the reliability and stability of the optimized carbon material under cyclic conditions.

Leadership & Organization

AIESEC Future Leader

Sept 2023 – Oct 2024

Coach

- Coordinated and delivered key programs (Induction, Capacity Building, National Networking Space, Final Presentation, Activation Leadership Support, and AFL Graduation) for chosen participants.
- Managed and coached a team of 7, delivering structured guidance after bi-weekly meetings.
- Designed and executed 4 coaching sessions, including 2 personalized individual consultations.

BEM Universitas Jenderal Soedirman

Oct 2021 – March 2023

Social and Political Affair Staff

- Planned and managed all aspects of a university essay competition for over 70 participants, including schedule coordination, webinar speaker recruitment, and participant outreach.
- Curated engaging Instagram content that increased follower count by 100+ in 5 months, utilizing analytics and community interaction to drive organic growth.

Certification

• Training in Halal Regulation Integration, SNI, BPOM	2025
• Occupational Safety and Health Training (K3)	2025
• UV-Vis Spectrophotometry Training	2024

Skills

Hard Skills:

- Instrument Operation (GC, DSC, FTIR, UV-Vis, BET)
- Microsoft Excel (Pivot Table, VLOOKUP)
- Microsoft Word & Google Workspace

Languages:

- Indonesia
- English