

AZKIYA NAURA ZAHRA

Chemistry | Analytical Development

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SUMMARY

Fresh Graduate in Chemistry with experience in laboratory analysis, quality control, method optimization, and data analysis through undergraduate research and industrial laboratory internships. Equipped with strong analytical thinking and problem-solving skills, with a career interest in Analytical Development, Quality Control, Laboratory Analysis, and Research & Development.

PROFESSIONAL EXPERIENCE AND PROJECTS

Undergraduate Thesis Researcher

Universitas Padjadjaran | Bandung, West Java

October 2025 – July 2026

- Designed and conducted experiments to optimize multiplex PCR conditions using Response Surface Methodology (RSM) and Box-Behnken Design (BBD).
- Evaluated experimental data and determined optimal conditions through statistical analysis using Minitab.
- Investigated PCR performance and troubleshoot amplification issues through agarose gel electrophoresis and ImageJ analysis.

Program Kreativitas Mahasiswa (PKM) Team Leader

Universitas Padjadjaran | Sumedang, West Java

January 2025 – July 2025

- Led a student research project, coordinating research planning, task allocation, and team collaboration.
- Selected through the university's internal PKM selection and advanced to proposal submission through Simbelmawa.

Chemistry Laboratory Intern

Collins Aerospace | Bandung, West Java

January 2025 – February 2025

- Performed quality control analysis of electroplating solutions using titrimetric analysis, AAS, and UV-Vis spectrophotometry.
- Conducted routine sampling and analysis of electroplating and wastewater treatment (WWT) processes using pH and conductivity measurements.
- Prepared samples, recorded analytical results, and maintained laboratory documentation in accordance with established SOPs and laboratory procedures.

In-Process Control (IPC) Intern

Meprofarm | Bandung, West Java

October 2021 – December 2021

- Performed in-process quality checks for pharmaceutical products, including tablet hardness, disintegration time, and density testing.
- Conducted packaging inspections covering labeling, appearance, seal integrity, and conformity with established requirements.
- Recorded and organized IPC results to support production quality monitoring and documentation.

ORGANIZATIONAL AND EVENT EXPERIENCE

Public Relations Staff

Chemistry Fun Days | Universitas Padjadjaran

February 2023 – July 2024

Human Resource Development Staff

Himaka FMIPA | Universitas Padjadjaran

January 2023 – December 2023

EDUCATION

Bachelor of Science in Chemistry

Universitas Padjadjaran | GPA: 3.77/4.00

August 2022 – August 2026

Vocational High School Diploma in Industrial Pharmacy

SMK Negeri 7 Bandung | Final Grade: 86.7/100

July 2019 – June 2022

SKILLS

Technical Skills: Laboratory Analysis, AAS, UV-Vis Spectrophotometry, Titrimetric Analysis, pH & Conductivity Measurement, PCR, Agarose Gel Electrophoresis, Experimental Design, Minitab, ImageJ, SOP Compliance, Laboratory Documentation.

Soft Skills: Analytical Thinking, Problem-Solving, Attention to Detail, Teamwork, Communication, Adaptability.

CERTIFICATIONS AND ADDITIONAL INFORMATION

Certifications

- Pharmaceutical Industry — BNSP Competency Certification (*Expired*)
- K3 (Chemical Laboratory Health and Safety) Certificate — FMIPA Universitas Padjadjaran

Language

- Indonesian — Native proficiency
- English — Working proficiency