

RARA RAHMADANI

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SUMMARY

Master of Chemistry graduate from Andalas University with a research focus in Analytical Chemistry. Experienced in laboratory research, analytical data processing, process validation and the use of analytical instrument. With my internship experience as a Laboratory Analyst at Balai Standardisasi dan Pelayanan Jasa Industri (BSPJI) Padang, where I analyzed industrial samples, including food products, beverages, and wastewater. With my academic and laboratory experience, aspiring to pursue a career in Research and Development, Quality Control, and Laboratory Testing in the pharmaceutical, cosmetic, FMCG/Food & Beverage, and chemical industries.

EDUCATION

Andalas University - Padang, Indonesia

Aug 2024 - Aug 2025

Master of Chemistry, GPA: 3.93/4.00

Thesis : Utilization of Clinoptilolite Zeolite as an Adsorbent for p-Phenylenediamine (PPD): Application in Hair Dye Waste.

Andalas University - Padang, Indonesia

Jul 2020 - Jul 2024

Bachelor of Chemistry, GPA: 3.66/4.00

Thesis : Determination of Heavy Metal Levels Pb, Zn, and Cd in Several Brands of Hair Dyes using Atomic Absorption Spectrophotometry.

WORKING EXPERIENCES

Central Laboratory Andalas University - Padang, Indonesia

Sep 2023 - Jul 2025

Basic Chemistry Laboratory Assistant I and II

- Delivered theoretical explanations and supervised undergraduate chemistry laboratory sessions for more than 200 students.
- Provided technical guidance on laboratory procedures, experimental techniques, and safe handling of chemicals and laboratory equipment.
- Monitored experimental activities to ensure procedures were performed accurately and consistently.
- Evaluated experimental results and laboratory reports to identify calculation, procedural, and analytical errors.
- Collaborated with laboratory team members to ensure effective execution of laboratory activities.

Balai Standardisasi dan Pelayanan Jasa Industri (BSPJI) - Padang, Indonesia

Jan 2023 - Feb 2023

Laboratory Instrument Analyst Intern

- Conducted quantitative laboratory analysis of industrial samples, including food, beverage, wastewater, and other materials.
- Conducted identification, operation, and routine maintenance of laboratory instruments such as Atomic Absorption Spectrophotometry (AAS) and UV-Visible Spectrophotometry (UV-Vis).
- Performed routine instrument checks and maintenance to support analytical performance.
- Prepared analytical reports and maintained accurate laboratory documentation in accordance with laboratory quality procedures.

ORGANIZATION EXPERIENCES

LK XVI Andalas University - Padang, Indonesia

Sep 2023 - Oct 2023

Member of the Fund and Business Division

- Planned and executed fundraising activities.
- Established collaboration with external parties (sponsors) to obtain financial or material support.

Chemistry Student Association (HIMKA) - Padang, Indonesia

Feb 2023 - Nov 2023

Secretary, Religious Affairs Division

- Responsible for managing all financial aspects of religious activities.
- Prepared budget plans, recorded financial transactions, and compiled accountability reports for each activity.

Lkmmtd Fmipa Andalas University - Padang, Indonesia

Mar 2021 - Oct 2021

Secretary, Consumption Division

- Prepared consumption budget plans according to event requirements and coordinated with related divisions.
- Managing and monitoring consumption related funds to ensure expenditures remain within the allocated budget.

ADDITIONAL INFORMATION

SOFT SKILLS

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|-----------------------|-------------------|
| • Analytical Thinking | • Adaptability |
| • Decision Making | • Communication |
| • Leadership | • Time Management |

HARD SKILLS

- | | |
|--|--|
| • Chemical instrument analysis (UV-Vis, AAS, FTIR) | • Research data processing (OriginLab) |
| • Microsoft Office (Word, Excel, PowerPoint) | • Scientific report writing and academic publication |

LANGUAGE SKILLS

- Indonesian (Proficient)
- English (Beginner)

ACHIEVEMENT

- Research Project Member (2025) - Master Thesis Research, LPPM Andalas University
Project Title: Utilization of Clinoptilolite Zeolite as an Absorbent Material for p-Phenylenediamine (PPD) Dye in Hair Dye Waste Application.
- First Author (2025) - Published in Sinta 2 Indexed Journal
Article Title: Utilization of Clinoptilolite Zeolite to Reduce p-Phenylenediamine (PPD) Dye Content from Hair Color Wash Waste.

TRAINING

- Quality Control Senior Supervisor (2025)
- Keys to Success for Young Researchers (2026)