

RARA RAHMADANI

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SUMMARY

Master of Science in Chemistry graduate from Andalas University with a research focus on Analytical Chemistry. Possesses a comprehensive understanding of pharmaceutical regulatory standards, including GMP/CPOB compliance, Deviation Management, CAPA, Validation, Qualification, Calibration, Quality Risk Management (QRM). Experienced in supervising laboratory operations, ensuring data integrity, and resolving analytical deviations. Equipped with strong technical leadership and cross-functional communication skills, I am prepared to lead the Quality Control team in driving regulatory compliance, optimizing testing workflows, and maintaining rigorous pharmaceutical quality standards.

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

- Led and mentored students in executing chemical testing, ensuring all analytical activities strictly aligned with GLP standards and approved SOPs.
- Ensured analytical equipment were properly calibrated, verified, and prepared according to established standards.
- Prepared specifications and protocols, and enforced laboratory safety and standard operating procedures (SOPs).

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

Jan 2023 - Feb 2023

Laboratory Instrument Analyst Intern

- Performed high accuracy analytical testing on raw materials and finished products using Atomic Absorption Spectrophotometry (AAS) and UV-Visible Spectrophotometry (UV-Vis).
- Conducted data evaluation, investigated unexpected analytical results, and ensured high accuracy and compliance of testing records.
- Prepared technical documentation for internal/external audits and regulatory inspections while enforcing strict adherence to laboratory safety, environmental, and quality management requirements.

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 | • Problem Solving |
| • Decision Making | • Communication |
| • Leadership | • Time Management |

HARD SKILLS

- | | |
|---|--|
| • Chemical instrument analysis (UV-Vis and AAS) | • 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)