



RAHMADINA PRATIWI

Laboratory Analyst | QC | QA | Research & Development

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SUMMARY

Bachelor of Chemistry graduate from the University of Lampung with a GPA of 3.48 and hands-on experience in research, academic, environmental, and industrial laboratories. Skilled in sample preparation, chemical analysis, test validation, data processing, and technical report preparation for more than 300 samples. Proficient in operating analytical instruments including FTIR, AAS, and UV-Vis, with strong knowledge of SOP, GLP, K3 (Occupational Health and Safety), quality control, and laboratory documentation. Seeking opportunities as a Laboratory Analyst, QC Analyst, QA, or R&D Staff.

EDUCATION

LAMPUNG UNIVERSITY

August 2021 – August 2025

S-1 Chemistry (GPA : 3.48/4.00)

SMK SMTI BANDAR LAMPUNG

March 2017 – July 2020

Laboratory Test Analysis (GPA : 84.93/100)

SKILLS

- **Software Skill** : Microsoft Office (Power Point, Word, Excel), Mendeley, Canva, Chems sketch, Avogadro, Chemdraw, Origin, Minitab 20, Slidesgo dan Google Workspace.
- **Soft Skill**: Analytical Thinking, Critical Thinking, Attention to Detail, Discipline, Time Management, Compliance Awareness, Communication, Teamwork, Responsibility, Adaptability dan Learning Agility.

EXPERIENCE

UNIVERSITY OF LAMPUNG

May 2025 - July 2025

Analytical Chemistry Laboratory Assistant – Department of Chemistry

- Assisted analytical chemistry laboratory sessions by preparing equipment, reagents, standards, and laboratory instruments according to SOP.
- Guided 70+ students in quantitative analysis methods, including titration, gravimetric analysis, and spectrophotometry.
- Provided technical assistance on analytical procedures, data interpretation, and laboratory safety practices (K3 & GLP).
- Coordinated with lecturers and laboratory teams to ensure effective laboratory activities.

NATIONAL RESEARCH AND INNOVATION AGENCY TANJUNG BINTANG

September 2024 - March 2025

Research Intern – Final Year Project Student

- Conducted laboratory research following SOP, GLP, K3, SNI, and ISO 17025 standards.
- Prepared and analyzed 30+ samples using FTIR, including spectral data processing and interpretation.
- Prepared technical reports and research documentation to support data quality, traceability, and compliance.

UNIVERSITY OF LAMPUNG

September 2024 - December 2024

Basic Chemistry Laboratory Assistant – Department of Geological Engineering

- Guided 35+ students in basic chemistry practices, including laboratory procedures, equipment handling, and K3 implementation.
- Prepared laboratory equipment, materials, and instruments according to SOP and practical modules.
- Provided technical assistance on experimental procedures, data recording, and basic chemical analysis.
- Supported laboratory activities by ensuring compliance with SOP and Good Laboratory Practice (GLP).

FISH HEALTH AND ENVIRONMENTAL TESTING CENTER SERANG

August 2023 - December 2023

Laboratory Analyst – Water and Sediment Quality Analysis

- Conducted chemical analysis of 50+ water and sediment samples using parameters such as Nitrite, Nitrate, Phosphate, Ammonia, and Chlorophyll-a.

- Performed sample preparation, standard solution preparation, and metal analysis using AAS according to analytical methods.
- Operated laboratory instruments including UV-Vis spectrophotometer, AAS, refractometer, and performed titrimetric and gravimetric analysis.
- Verified test results to ensure accuracy, precision, and data reliability, including laboratory data management and reporting.
- Supported environmental monitoring activities through field sampling and sample quality control.

PT BUKIT ASAM Tbk

July 2019 – September 2019

WTP/WWTP Laboratory Analyst

- Conducted water quality analysis for boiler, WTP, and WWTP systems on 30+ samples per analysis period to support process control and quality compliance.
- Performed chemical testing including Silica, Free Residual Chlorine (FRC), Total Hardness, Phosphate, Hydrazine, and Iron analysis.
- Operated and maintained laboratory instruments such as spectrophotometer, turbidimeter, and titration equipment according to SOP.
- Supported WTP/RO operations, including backwash, chemical cleaning, and water sampling activities.
- Recorded, verified, and reported analytical data to support industrial water quality monitoring.

ORGANIZATION

KWI XXXIII BEM FMIPA UNIVERSITAS LAMPUNG

November 2022 – December 2022

Publication, Decoration, and Documentation Division

- Managed official social media content and event information to increase participant engagement.
- Created event documentation through photo and video coverage for reports and publications.
- Designed digital publication materials (feed and stories) using Canva and coordinated content with event committees.

HIMAKI UNIVERSITAS LAMPUNG

February 2022 – December 2022

Member of Social and Community Division

- Supported organizational events involving 45+ students through planning, coordination, and teamwork activities.
- Collaborated with industry partners and departments in organizing industrial visits and seminars.
- Participated in community service programs focused on environmental awareness and social activities.
- Developed skills in leadership, communication, problem solving, and event management.

KEY ACHIEVEMENTS

- **Participant – Student Creativity Program (PKM) in Entrepreneurship**, Faculty of Mathematics and Natural Sciences, University of Lampung (2023).
Developed a business proposal through idea formulation, opportunity analysis, and activity planning as part of entrepreneurship and teamwork development.
- **Koordinator Koordinator – National Seminar “The Importance of Investment and Business for a Bright Future in Society 5.0”**, Chemistry Student Association (HIMAKI), University of Lampung (2022)
Coordinated a national seminar with 100+ participants, including event planning, speaker coordination, and technical execution management.

PROJECT

- **Ecoenzyme Training – Household Waste Utilization into Liquid Fertilizer**, trained community members in converting organic waste into eco-friendly liquid fertilizer with potential economic value. ([LINK](#))

CERTIFICATIONS & TRAINING

- **Eksklusif Training “Career Class Preparation for Better Future”**, PT Jago Karir Indonesia, 2026.
- **TOEFL EPT**, Language Center of University of Lampung, 2025.
- **Public Speaking Training**, HIMAKI University of Lampung, 2022
- **Achivement Motivation Training (AMT)**, BPSDMI SMK SMT Bandar Lampung, 2019
- **Computer Training**, Cendekia Widya Yahya, 2017