

MAWARNI DARA SUCI HATI

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EXECUTIVE SUMMARY

Chemistry graduate with hands-on experience in R&D laboratory testing, sample preparation, catalyst characterization, and analytical data processing. Familiar with analytical instruments including UV-Vis, FTIR, AAS, HPLC, GC, and ICP-OES/MS, as well as laboratory practices involving GLP, ISO/IEC 17025, and analytical method validation. Experienced in laboratory documentation, reagent preparation, data interpretation, and supporting research evaluation with a strong focus on accuracy and traceability.

PROFESSIONAL EXPERIENCE

PT Pertamina Research & Technology Innovation - Jakarta, Indonesia 2025 – 2026

Research & Development Assistant

- Conducted chemical analysis of catalyst and laboratory samples through sample preparation, instrumental testing, and analytical data interpretation to support R&D evaluation.
- Prepared catalyst samples for characterization, including weighing, dilution, filtration/drying, and instrument-ready sample handling in accordance with laboratory procedures.
- Maintained laboratory worksheets, raw data records, reagent preparation logs, and testing documentation to support data traceability and laboratory practices.
- Processed and interpreted analytical data using Microsoft Excel, Origin, and SPSS to identify trends, evaluate sample performance, and support research activities.

UIN Syarif Hidayatullah Jakarta - Jakarta, Indonesia

2025

Practical Laboratory Assistant

- Supported lecturers in maintaining laboratory organization, monitoring experiment activities, and ensuring compliance with laboratory safety procedures.
- Supervised students in basic analytical laboratory techniques, including titration, solution preparation, pH measurement, filtration, and laboratory data recording.
- Assisted students throughout practical sessions and supported accurate implementation of laboratory procedures.

EDUCATION

UIN Syarif Hidayatullah Jakarta - Jakarta, Indonesia

2021 – 2025

Bachelor of Science in Chemistry

- Cumulative GPA: **3.40/4.00**
- Gold Medal – 1st Winner, Essay Competition, Kopma UNILA | 2024
- 3rd Winner – Ratoeh Jaroe, UIN Syarif Hidayatullah Jakarta | 2024
- Presenter – CGTA Event | 2023

ORGANIZATIONAL & LEADERSHIP EXPERIENCE

Koperasi Mahasiswa (KOPMA) UIN Jakarta - Jakarta, Indonesia

2024 – 2025

Head of General Administration

- Managed general administrative activities and supported systematic documentation within the organization.
- Coordinated administrative tasks and maintained organizational records to support day-to-day operations.

Head of Inventory Division

2023 – 2024

- Managed inventory-related activities and maintained records of organizational assets and stock.
- Coordinated inventory administration to support accurate monitoring and availability of organizational items.

CERTIFICATIONS & TRAINING

UV-Vis Spectrophotometry - Jakarta, Indonesia

Certificate of Completion

- Completed training focused on the use of UV-Vis spectrophotometry for analytical laboratory activities.

Quality Analyst & Quality Control, Nickel Laterite - Jakarta, Indonesia

Certificate of Completion

- Developed knowledge of quality analysis and quality control related to nickel laterite materials.

Assistant Laboratory of Chemistry - Jakarta, Indonesia

Certificate of Completion

- Certified for supporting chemistry laboratory activities, including practical session assistance and laboratory procedures.

FTIR Instrument - Jakarta, Indonesia

Certificate of Completion

- Completed training focused on the use of FTIR instrumentation for laboratory analysis and characterization.

SKILLS

Analytical Instruments:

- UV-Vis Spectrophotometer
- FTIR
- AAS
- ICP-OES/MS
- HPLC
- GC

Analytical Methods & Validation:

- Accuracy
- Precision
- Linearity
- LOD & LOQ
- Repeatability
- Calibration Curve
- Standard Solution Preparation

Quality & Laboratory Practices:

- Good Laboratory Practice (GLP)
- ISO/IEC 17025
- GMP
- Laboratory Safety
- Technical Documentation
- Raw Data Recording
- Reagent Preparation

Laboratory Techniques:

- Sample Preparation
- Dilution
- Filtration
- Extraction
- Distillation
- Recrystallization
- Column Chromatography
- pH Measurement
- Viscosity Measurement
- Melting Point
- Refractive Index

Data Processing & Software:

- Microsoft Excel
- Origin
- SPSS
- ChemDraw

Soft Skills:

- Analytical Thinking & Problem Solving
- Attention to Detail & Communication
- Teamwork & Collaboration
- Adaptability
- Technical Documentation