



FALSYA MUTIARAHMAH

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PROFESSIONAL SUMMARY

Chemistry graduate (GPA 3.61/4.00, Andalas University) with hands-on laboratory experience at PT Intertek Utama Services, handling 10–20 environmental samples daily with consistent accuracy. Skilled in multi-parameter water quality testing (BOD, COD, TOC), heavy metal quantification using Mercury Analyzer, and instrumental analysis (GC-MS, UV-Vis, FTIR) following SNI/APHA standard methods. Solid understanding of Good Laboratory Practice (GLP), SOP execution, and structured data documentation. Seeking a QC, QC Analyst, or Laboratory Analyst position to contribute to accurate, compliant laboratory testing.

SKILLS

- **Analytical Instruments :** GC-MS, ICP-MS, UV-Vis Spectrophotometer, FTIR, Mercury Analyzer
- **Laboratory Techniques:** VLC, Column Chromatography, TLC, Liquid-Liquid Extraction, BOD & COD Testing, TOC Analysis, Gravimetric Analysis (TSS), Colorimetric Testing (Sulfate & Phosphate), pH & Conductivity Measurement
- **Quality & Compliance:** Good Laboratory Practice (GLP), SOP Execution & Documentation, Data Traceability, SNI/APHA Standard Methods
- **Data & Software:** Microsoft Excel, ChemDraw, Microsoft Word & PowerPoint
- **Soft Skills:** Attention to Detail, Teamwork, Time Management
- **Language:** Indonesian (Native) and English (Intermediate)

EDUCATION

Andalas University

Bachelor of Science - Chemistry

Padang

Aug 2021 – July 2025

- GPA: 3.61/4.00
- Thesis : Isolation and Characterization of Triterpenoid Compounds from Ethyl Acetate Extract of Noni Leaves (*Morinda citrifolia* L.)

WORK EXPERIENCE

PT Intertek Utama Services

Laboratory Analyst Intern

Jakarta

July 2024 – Aug 2024

- Processed 10–20 samples daily (wastewater for BOD/COD/TOC testing; fish tissue and soil for Mercury Analyzer heavy metal analysis) following SNI/APHA standard methods
- Measured pH, conductivity, sulfate, and phosphate using dedicated meters and UV-Vis spectrophotometry
- Performed gravimetric analysis for TSS determination
- Executed GC-MS and ICP-MS analytical workflows — including sample preparation, instrument operation, and data readout — under analyst supervision
- Maintained structured documentation to support data traceability, in line with GLP and lab safety standards

Organic Chemistry Laboratory, Andalas University

Laboratory Assistant & Daily Coordinator

Padang

Aug 2024 – Dec 2024

- Assisted practical sessions for 100 students across 4 class sections, covering distillation, fractional distillation, Soxhlet extraction, liquid-liquid extraction, column chromatography, paper chromatography, and compound identification
- Served as Daily Coordinator for one class section — verified equipment and reagent completeness prior to each session and liaised directly with lab analysts to resolve supply discrepancies
- Provided real-time hands-on guidance during experiments and reviewed laboratory reports with structured written feedback on methodology and data interpretation

PROJECT EXPERIENCE

Undergraduate Research (Thesis Project)

- Successfully isolated a compound from *Morinda citrifolia* leaf extract and tentatively characterized it as a triterpenoid through UV-Vis and FTIR spectroscopic analysis

- Applied Vacuum Liquid Chromatography (VLC) as primary separation technique to fractionate ethyl acetate extract of *Morinda citrifolia* leaves, followed by column chromatography for compound purification across multiple sequential fractions
- Monitored fraction purity at each separation stage using TLC under UV light visualization (254 nm and 366 nm), enabling systematic selection of fractions for further processing

ORGANIZATIONAL EXPERIENCE

- Himpunan Mahasiswa Kimia (HIMKA)**
Treasurer of Information Division

Padang
Feb 2023 – Dec 2023
- Managed division budgeting and financial records for media-related activities
 - Coordinated content preparation and production schedules for division's podcast initiatives
- BEM KM FMIPA Universitas Andalas**
Staff of the Department of Business and Event Partnership

Padang
Feb 2024 – Dec 2024
- Handled faculty business activities, including managing merchandise orders and event-related transactions
 - Served as liaison for students placing orders, managing payments, and maintaining accurate order records