



FALSYA MUTIARAHMAH

Bekasi, West Java | 085763461766 |

falsya.mutiar@gmail.com | www.linkedin.com/in/falsyamtrhmh

PROFESSIONAL SUMMARY

Chemistry graduate (GPA 3.61/4.00, Andalas University) with research experience in multi-step natural product isolation and compound characterization — isolating and characterizing a triterpenoid compound from *Morinda citrifolia* leaves through Vacuum Liquid Chromatography (VLC), column chromatography, TLC, and spectroscopic analysis (UV-Vis, FTIR). Complemented by hands-on instrumental experience at PT Intertek Utama Services (GC-MS, ICP-MS, Mercury Analyzer). Strong analytical thinking, attention to experimental detail, and structured documentation habits. Seeking an R&D Chemist position to contribute to product development and laboratory research.

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.)

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

WORK EXPERIENCE

PT Intertek Utama Services

Laboratory Analyst Intern

Jakarta

July 2024 – Aug 2024

- Executed GC-MS and ICP-MS analytical workflows — including sample preparation, instrument operation, and data readout — under analyst supervision, gaining exposure to multi-element structural and compositional analysis
- 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
- 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

- Guided students through hands-on experiments 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
- Reviewed laboratory reports with structured written feedback on methodology and data interpretation

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)

CERTIFICATIONS & TRAINING

Microsoft Office Specialist Bootcamp – Excel, Word, PowerPoint

KarirNex (by Ebizmark)

August 2026

- Completed a 3-week intensive training covering Excel (formulas & functions, pivot tables, charts, data validation, basic macros), Word (document formatting, ATS-friendly CV writing), and PowerPoint (presentation design & interactive slides)

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