

MIFTAHUL MELSYA SALSABILLA

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Bekasi, West Java

EXECUTIVE SUMMARY

Bachelor of Chemistry graduate from Andalas University with experience in laboratory analysis, scientific research, and instrumental techniques, particularly GC-MS analysis, antibacterial assay, and toxicity assay using the Brine Shrimp Lethality Test (BSLT). Skilled in sample preparation, laboratory experiments, data analysis, and scientific reporting in accordance with laboratory SOPs. Interested in pursuing a career in Quality Control (QC) and Quality Assurance (QA), with experience gained through funded research projects, national scientific competitions, and scientific journal publication. A fast learner with strong analytical skills, attention to detail, and the ability to work well both independently and as part of a team.

EDUCATION

Andalas University - Padang, Indonesia

Aug 2021 – Oct 2025

Faculty of Mathematics and Natural Science - Bachelor Of Chemistry | GPA 3.28 / 4.00

RESEARCH EXPERIENCE

Undergraduate Thesis Research - Andalas University

Feb 2025 – Jul 2025

- Conducted research on the isolation and toxicity evaluation of Sunkist orange (*Citrus × floridana*) leaf essential oil through laboratory experiments.

Pekan Ilmiah Mahasiswa nasional (PIMNAS) 35th - University of Muhammadiyah Malang

Nov 2022 – Dec 2022

- Contributed to the development of scientific posters and presentation materials for a national-level research competition.
- Successfully became a finalist Pekan Ilmiah Mahasiswa Nasional (PIMNAS) 35th, a prestigious nationwide undergraduate research competition involving universities across Indonesia.

Program Kreativitas Mahasiswa (PKM) - Andalas University

Jun 2022 – Oct 2022

- Processed approximately 6 kg of pucuk merah leaves for essential oil isolation using hydrodistillation method as part of a funded research project.
- Conducted antibacterial, toxicity (Brine Shrimp Lethality Test), and GC-MS analysis following laboratory procedures to obtain reliable experimental data.
- Documented experimental results and performed data analysis to support technical report preparation and scientific publication in a national journal.

PUBLICATIONS

Co-Author - Jurnal Riset Kimia

2023

- “Komponen Kimia Minyak Atsiri yang Diisolasi dari Daun Tanaman Pucuk Merah (*Syzygium myrtifolium* Walp.) dan Potensi Antibakteri serta Toksisitasnya”

COURSE & CERTIFICATIONS

- Quality Assurance (QA) Awareness** - PT Inter Strada Solutrindo (Jul 2026) [\[Certification\]](#)
- Quality Control (QC) Awareness** - PT Inter Strada Solutrindo (Jul 2026) [\[Certification\]](#)
- Basic Microsoft Excel for Office Administration** – YEC (Jun 2026) [\[Certification\]](#)
Data processing, documentation, and reporting; applied IF functions, LOOKUP functions, and Pivot Tables for data analysis.
- Lab Mania** - Tips and Tricks for Challenging LC-MS/MS Applications (May 2026) [\[Certification\]](#)
- Lab Mania** - Caliper Calibration Using a Caliper Checker (May 2026) [\[Certification\]](#)

ORGANIZATION EXPERIENCE

HIMKA FMIPA, Andalas University

Jan 2024 - Dec 2024

Social Division Member

- Supported the execution of 5+ social and educational programs organized by the Chemistry Student Association, Faculty of Mathematics and Natural Sciences, Universitas Andalas, during the organizational period.
- Collaborated with 20+ organization members to ensure smooth activity execution while improving team coordination and collaboration.

ACHIEVEMENTS

- Campus Activist Award - Andalas University (2025)
- Finalist, Pekan Ilmiah Mahasiswa Nasional (PIMNAS) 35th (2022)

SKILLS & COMPETENCIES

- Skills** : Effective communication, leadership, team coordination, problem solving, time management, critical thinking, adaptability, and interpersonal skills.
- Tools & Software** : Microsoft Office (Word, Excel, PowerPoint), Google Workspace, GC-MS (Gas Chromatography–Mass Spectrometry) analysis, and chemical laboratory equipment and analytical instruments.
- Technical Competencies** : Laboratory analysis, sample preparation, GC-MS testing, antibacterial activity assay, toxicity testing (Brine Shrimp Lethality Test/BSLT), experimental data processing and interpretation, technical documentation and report preparation, laboratory SOP implementation, data validation, quality control, and quality assurance.
- Languages** : Indonesia: Fluent - spoken and written.
English: Intermediate - spoken and written.