

FERA AGISTARIKA

Chemistry | Microbiological Analysis | Quality Control | Laboratory Analysis | Production Laboratory
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PROFILE

Chemistry graduate from the University of Lampung with laboratory experience in microbiological testing, analytical chemistry, sample preparation, and quality control activities through research and laboratory practice. Familiar with laboratory instruments, SOP implementation, Good Laboratory Practice (GLP), and analytical techniques including **HPLC, GC-MS, TLC, FTIR, and LC-MS/MS**. Detail-oriented, eager to learn, and committed to supporting quality control processes in the pharmaceutical and manufacturing industries.

EDUCATION

University of Lampung
Bachelor of Chemistry

- Thesis Title:** “*Profile of Bioactive Compounds from Actinomycetes 19C38A1 Co-cultivated on Oil Palm Fiber Waste Media as Antibacterial Agents against Resistant Pathogens*”
- Areas of interest:** Microbiology, Organic Chemistry, Pharmaceutical Chemistry, Secondary Metabolites, and Antibacterial Studies.

Aug 2021 – Jun 2025
GPA: 3.53/4.00 (Cum laude)

TECHNICAL SKILLS

- Microbiology:** Microbiological Testing, Microbial Cultivation, Aseptic Technique, Sterilization Procedure, Contamination Control
- Laboratory Operations:** Sample Preparation, Laboratory Analysis, SOP Implementation, Good Laboratory Practice (GLP), Basic GMP/CPOB Knowledge, Laboratory Documentation, Quality Control
- Analytical Techniques:** High Performance Liquid Chromatography (HPLC) Principles, Gas Chromatography–Mass Spectrometry (GC-MS) Principles, Thin Layer Chromatography (TLC), Fourier Transform Infrared Spectroscopy (FTIR), LC-MS/MS Data Interpretation, Bioactive Compound Extraction
- Laboratory Equipment:** Laminar Air Flow (LAF), Autoclave, Incubator, Centrifuge, Rotary Evaporator, Analytical Balance, Micropipette

WORK EXPERIENCE

University of Lampung – Integrated Laboratory Unit
Laboratory Intern

- Performed microbiological testing, laboratory sample preparation, and process monitoring using aseptic techniques and SOP-based procedures to support reliable laboratory analysis.
- Conducted Solid State Fermentation (SSF) experiments using lignocellulosic agricultural waste media while monitoring fermentation conditions to ensure experimental consistency.
- Executed laboratory quality control activities, sample analysis, and laboratory documentation in compliance with SOP and Good Laboratory Practice (GLP).
- Operated laboratory equipment including Laminar Air Flow, autoclave, incubator, centrifuge, rotary evaporator, analytical balance, and micropipettes following laboratory safety standards.
- Implemented sterilization procedures and contamination control practices to maintain laboratory cleanliness and testing reliability.
- Prepared laboratory records, experimental reports, and analytical documentation accurately to support laboratory traceability and timely reporting.

Feb 2024 – Jul 2024

University of Lampung – Organic Chemistry Laboratory
Teaching Assistant (Organic Chemistry)

- Guided 40 undergraduate students during laboratory practical sessions by demonstrating laboratory techniques, chemical handling, and experimental procedures.
- Supervised laboratory activities to ensure compliance with laboratory safety regulations, SOP implementation, and proper equipment utilization.
- Evaluated laboratory reports and assisted laboratory preparation activities to maintain efficient laboratory operations.

Aug 2024 – Dec 2024

Bimbel Zone - Brainy English Program
English Tutor

- Designed adaptive learning materials for preschool to senior high school students to improve classroom engagement and learning effectiveness.
- Managed the learning progress of approximately 80 students through structured evaluation and individualized guidance.
- Developed communication, presentation, and classroom management skills by delivering interactive learning sessions.

Oct 2025 – Jul 2026

ORGANIZATIONAL EXPERIENCE

Chemistry Student Association

Jan 2023 – Dec 2023

Secretary of the Independent Business Bureau

- Coordinated organizational programs involving 21 committee members to ensure effective execution of entrepreneurship activities.
- Prepared activity documentation and financial reports accurately to support organizational accountability.
- Supported product management and promotional activities to improve program effectiveness.

Chemistry Expo XXVI

Jun 2022 – Oct 2022

Creative and Design Division Member

- Designed promotional materials, digital publications, and social media content using Canva and CorelDRAW.
- Managed publication schedules to support effective event promotion and branding.

Industrial Visit

Jun 2022 – Aug 2022

Head of Public Relations, Publication, Design, and Documentation Division (HPDD)

- Led communication, publication, and documentation activities for industrial visit programs.
- Coordinated external communication with industrial partners to ensure smooth event implementation.
- Developed promotional materials and event publications using Canva and CorelDRAW.

CERTIFICATIONS & TRAINING

- Chem In Design x Canva: “Express Unlimited Ideas of Creativity in Design”**
Department of Chemistry, University of Lampung, 2023
- HIMAKI Training Series: “Metoksi – Improving Analytical Competence through Instrumentation Training”** University of Lampung, 2022
- Public Speaking Webinar: “Improve Your Self-Confidence and Show Your Quality”**
Chemistry Student Association – University of Lampung, 2022
- Chem In Design x CorelDRAW: “Design Your Self-Confidence and Show Your Quality”**
Department of Chemistry, University of Lampung, 2022
- National Scientific Discussion: “Pectin – The Role of Green Chemistry in Environmental Aspects to Achieve Sustainable Development Towards Advanced Indonesia 2030”**
Department of Chemistry, University of Lampung, 2022

SKILLS

SOFTWARE	SOFT SKILL
- Microsoft Office (Word, PowerPoint, Excel) - Google Workspace (Docs, Slides, Sheets) - ChemSketch, MassLynx, Canva and CorelDRAW	- Analytical Thinking - Attention to Detail - Time Management - Leadership - Communication & Adaptability - Teamwork - Multitasking
LANGUAGE	
- Indonesian (Native) - English (Limited Working Proficiency)	