



# AFIFAH KHOIRUNISA

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Jalan WR. Supratman No. 1 Kelurahan Hadimulyo Timur, Kecamatan Metro Pusat, Kota Metro, Provinsi Lampung, Indonesia.

A diligent, detail-oriented, and scientifically driven pharmacy graduate with experience in pharmaceutical research, laboratory work, and professional internships. Possesses strong analytical, organizational, and teamwork skills, with a commitment to accuracy, efficiency, and continuous learning. Adaptable to various professional environments and eager to contribute to the pharmaceutical industry.

## Pengalaman Kerja

### UPT Laboratorium ITERA - Lampung, Indonesia

Jul 2023 - Jul 2025

#### Asisten Praktikum Kimia Dasar I

- Ensured compliance with laboratory safety procedures and SOPs while assisting students in performing pharmaceutical and chemical experiments especially for stoichiometry, gas kinetics, chemical thermodynamics, physical properties and separation

### UPT Laboratorium ITERA - Lampung Selatan, Provinsi Lampung

Feb 2024 - Jul 2025

#### Asisten Praktikum Kimia Dasar II

- Ensure all safety protocols and procedures are followed in the laboratory, assist and guide TPB level students in understanding laboratory procedures and experimental techniques especially for colligative properties, acid and base solutions, kinetics and chemical equilibrium, electrochemistry, and spectrophotometer UV-Vis.

### UPT Laboratorium ITERA - Lampung Selatan, Provinsi Lampung

Sep 2024 - Dec 2024

#### Asisten Praktikum Fisika Dasar I

- Supervised and guided students in Fundamental Physics Lab as a Teaching Assistant, specializing in measurement, pendulum motion, and momentum conservation modules.

### UPT Laboratorium Farmasi ITERA - Lampung Selatan, Provinsi Lampung

Jul 2024 - Dec 2024

#### Asisten Praktikum Farmasi Fisik

- Managed Physical Pharmacy Lab activities for the 3th pharmacy students, specializing on surfactant effects, solubility enhancement, drug stability, diffusion, dissolution, surface tension, specific gravity, and emulsification.

### UPT Laboratorium Farmasi ITERA - Lampung Selatan, Provinsi Lampung

Feb 2025 - Jun 2025

#### Asisten Praktikum Kimia Organik Obat

- Assisted in laboratory sessions on drug synthesis, focusing on Paracetamol and Formic Acid. Guided students in reaction setup, purification, and analysis while ensuring safety and linking theory with practical applications.

### UPT Laboratorium Farmasi ITERA - Lampung Selatan, Indonesia

Aug 2025 - Dec 2025

#### Asisten Praktikum Analisis Farmasi Instrumental

- Served as a Teaching Assistant in Pharmaceutical Instrumental Analysis, responsible for guiding students on the principles, operation, and data interpretation of analytical instruments for drug identification and quantitative analysis, including UV-Vis spectrophotometry, GC-MS, AAS, FTIR, LC-MS, and potentiometric methods.

### Kementerian Kesehatan Republik Indonesia - Jakarta, Indonesia

Jun 2025 - Jul 2025

#### Intern

Direktorat Jenderal Farmasi dan Alat Kesehatan, Direktorat Produksi dan Distribusi Alat Kesehatan

- Assisted in the evaluation of medical device registration documents through the Regalkes system.
- Reviewed administrative and technical requirements for medical device licensing.
- Classified medical devices based on risk categories in accordance with applicable regulations. Conducted comparative analyses of medical device registration systems across ASEAN countries. Supported regulatory activities related to the production and distribution of medical devices

## Jenjang Pendidikan

### SMA Negeri 3 Metro - Lampung

Jul 2019 - Jun 2022

High School Diploma

- Rangking 1 Eligible SNMPTN 2022 dari
- Medali Perak POSI (Pelatihan Olimpiade Seluruh Indonesia) Bidang Kebumian Tahun 2021
- Juara 4 KSN tingkat Kota Bidang Kebumian Tahun 2021

Institut Teknologi Sumatera - Lampung, Indonesia

Aug 2022 - Jul 2026

*Bachelor of Bachelor of Pharmacy candidate who has completed all academic requirements and is currently awaiting formal graduation. Specialized in Pharmaceutical Sciences with a focus on Natural Product Technology, with a strong interest in Pharmaceutical Chemistry, particularly in silico approaches such as molecular docking and computational drug analysis. Possesses solid foundation in both experimental and computational methodologies, with a detail-oriented and research-driven approach., 3.66/3.82*

- 42 besar Finalis OZT & OZTa 4.0 Award 2023
- 10 besar Finalis Proposal Nutrifood Research Center Fellowship 2023.
- Juara 2 Olimpiade Liga Ilmiah ITERA Cabang Biologi

Pengalaman organisasi

Rohani Islam SMA Negeri 3 Metro - Metro, Lampung

Feb 2020 - Feb 2021

Sekretaris  
Komunitas Kerohanian Agama Islam.

- Managed administrative documentation and archives, including proposals, permission letters, and invitations, supporting major and routine activities involving over 100 students.

Hand to Hand Lampung - Lampung, Indonesia

Mar 2021 - Sep 2021

Teacher  
Komunitas sosial berbasis volunteer pendidikan.

- Taught science to children aged 7–13 using engaging and age-appropriate learning activities.
- Developed learning modules and PowerPoint presentations to support the learning process.

Pengabdian Masyarakat The 5th Pharmacie x Dies Natalis HIMFA 'ASCLEGIEIA' ITERA 2023 - Lampung, Indonesia

Jul 2023

Staff  
Kegiatan pengabdian masyarakat dan penyuluhan kepada warga desa Tarahan, Lampung Selatan

- Coordinated event activities and managed catering arrangements for over 50 committee members and participants.

The 5th Pharmacie X Dies Natalis HIMFA 'ASCLEGIEIA' ITERA - Lampung, Indonesia

Mar 2023 - Sep 2023

Staff  
Managed food and beverage arrangements for competitions and the main event involving over 200 committee members and participants.

Asesmen Lapangan Program Studi Farmasi 2024

Apr 2024

Staff  
Prepared and organized accreditation documents and supporting data for the Pharmacy Study Program, Assisted in ensuring compliance with accreditation standards and requirements, Coordinated the preparation of evidence and documentation required for the accreditation process, Supported and accompanied the accreditation assessors during the site visit.

Program Pengenalan Lingkungan Kampus ITERA 2024 - Bandar Lampung

May 2024 - Aug 2024

Staff Materi dan Metode  
A large-scale new student orientation and development program at the university level.  
Developed booklets, Terms of Reference (ToR), and presentation materials for the 2024 Campus Orientation Program, supporting educational activities for 4,477 new students.

Keterampilan, Prestasi & pengalaman lain

- **Research Project** (2023): Participated in the Nutrifood Research Center Grant focusing on phytosome-based functional food development targeting PCSK9, gaining experience in scientific research, literature review, and research project development.
- **Research Assistant** (2024): Assisted in serum formulation research using Box–Behnken Design (BBD) for formulation optimization, developing skills in experimental design, data analysis, and formulation research.
- **Research Assistant** (2024): Conducted in silico research on Pometia pinnata using molecular docking to evaluate ligand–receptor interactions and binding affinities, strengthening skills in computational drug discovery and scientific analysis.
- **Research Assistant** (2025): Analyzed active metabolites from Cynometra cauliflora L. (Namnam) and conducted molecular docking studies to investigate their biological potential, developing skills in metabolite analysis, computational research, and scientific interpretation.
- **Technical Skills** (2026): Microsoft Word, Microsoft Excel, Canva, C++, Molecular Docking, AutoDock Tools, Discovery Studio,

SwissADME, Avogadro, UV-Vis Spectrophotometry, FTIR, GC-MS, AAS, LC-MS, and Potentiometry.

- **Internship** (2025): Assisted in medical device registration through the Regalkes system, including document review, regulatory requirements, risk classification, and ASEAN registration comparison, developing skills in regulatory affairs, documentation, and attention to detail.