

Latifa Fawzia Hanum

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PROFILE

Detail-oriented Pharmaceutical Science and Technology graduate currently pursuing apothecary licensure, with a strong focus on product development and analytical method development. Experienced in analytical testing, method optimization, research, and technical documentation using chromatographic and spectroscopic techniques. Motivated to support pharmaceutical and herbal product development through robust analytical methods while ensuring data integrity, regulatory compliance, and quality standards.

VOLUNTEER

RESEARCH ASSISTANT | INSTITUT TEKNOLOGI BANDUNG | SEP 2024 — DEC 2024

- Conducted literature review using international journals to support experimental design and analytical method development for pharmaceutical and herbal research.
- Performed analytical method optimization and quantitative analysis using HPLC (mobile phase optimization, luteolin analysis), UV-Vis spectrophotometry, and FTIR spectroscopy.
- Managed experimental data collection, statistical analysis, and technical documentation while applying Good Laboratory Practices (GLP) and ensuring data integrity and traceability.

PHTOCHEMISTRY PRACTICUM LABORATORY ASSISTANT | INSTITUT TEKNOLOGI BANDUNG | SEP 2024 — NOV 2024

- Provided direct mentorship and laboratory guidance to over 6 international students, demonstrating key techniques in plant extraction, fractionation, purification, and characterization of plant isolates
- Led comprehensive discussions to assess student understanding of practicum modules, significantly improving learning outcomes

EXPERIENCE

INTERN | KFTD CIREBON | SEP 2025 – SEP 2025

- Assisted in monitoring storage conditions and freezer qualification documentation to ensure material quality compliance.
- Participated in personnel training documentation and reporting related to updated CDOB requirements.
- Supported logistics operations in accordance with CDOB (Good Distribution Practice) standards

INTERN | PT PHAROS INDONESIA (R&D – Technical Service Division) | JUL 2025 – AUG 2025

- Assisted in preparing and reviewing 5+ technology transfer protocols and 2+ technical reports, ensuring document completeness and accuracy.
- Contributed to pilot-scale trial execution, including material readiness and documentation support.
- Supported R&D activities by assisting data compilation and technical documentation for pilot-scale and technology transfer processes.

INTERN | BALAI BESAR POM DI BANDUNG | APR 2025 – APR 2025

- Analysed microbial contamination in various samples including pharmaceutical products, herbal medicines, health supplements, cosmetics, and processed foods.
- Conducted Total Plate Count (TPC) and Yeast and Mold Count (TYMC) to assess microbial load quantitatively
- Identified specific pathogens using appropriate selective media and standard microbiological techniques

STUDENT INTERN | LAFI AD | MAY 2023 — MAY 2023

- Gained a comprehensive understanding of pharmaceutical manufacturing processes through facility tours and direct observation.
- Participated directly in the production of acetaminophen products, gaining hands-on experience in pharmaceutical manufacturing operations.

EDUCATION

APOTHECARY | FEB 2025 - PRESENT | INSTITUT TEKNOLOGI BANDUNG, BANDUNG, INDONESIA

- Enrolled in the Apothecary Program at Institut Teknologi Bandung, specializing in Production and Quality
- Expected to obtain pharmacist licensure by **April 2026**.
- GPA: 3.75

PHARMACEUTICAL SCIENCE AND TECHNOLOGY | AUG 2020 -2024 | INSTITUT TEKNOLOGI BANDUNG, BANDUNG, INDONESIA

- Graduated School of Pharmacy, ITB with a bachelor's degree in Pharmaceutical Sciences
- Final Project: Development and In Vitro Cytotoxicity Study of Polyethyleneimine (PEI) Conjugated Mesoporous Silica Nanoparticles Loading Dayak Onion Bulb (*Eleutherine bulbosa mill.* Fraction on 4T1 Cells. (*Analytical characterization using UV-Vis and FTIR*)
- GPA: 3.23

SUMMER PROGRAM | AUG 2023 - SEP 2023 | NIHON PHARMACEUTICAL UNIVERSITY, TOKYO, JAPAN

- Completed a 2-week Summer Course Program focusing on Pharmaceutical Science and Japanese Culture, gaining insights into global pharmaceutical practices.
- Acquired knowledge of traditional Kampo medicine, including the indications and uses of its plant-based ingredients.
- Gained practical exposure to pharmaceutical manufacturing through a visit to a Kampo medicine production facility.

ORGANIZATION

HEAD OF IPSF DIVISION | HMF 'ARS PRAEPARANDI' ITB | MAY 2023 - MAY 2024

- Led a team of 20 members, successfully overseeing over 10 diverse programs
- Orchestrated a highly successful international comparative study event with KNAPS (South Korea) and FoP (Nepal), significantly strengthening relations between HMF and other IPSF member organizations through collaborative initiatives.
- Oversaw and managed the duties of the Contact Person and Student Exchange Officer of HMF "AP" ITB

SKILLS

TECHNICAL SKILLS

- Analytical method development & optimization (HPLC, UV-Vis, FTIR)
- Analytical data processing, interpretation, and documentation (GLP awareness)
- Literature review and experimental support using international journals

SOFT SKILLS

- Analytical thinking & attention to detail
- Cross-functional communication & teamwork
- Time management & adaptability

LANGUAGE

- Indonesian (Native)
- English (Professional Working Proficiency)