

FATIMAH ZAHRA MUTHI'AH

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EDUCATION

School of Pharmacy, Bandung Institute of Technology

PHARMACIST PROFESSIONAL STUDY PROGRAM

August 2025 – August 2026

Production and Quality Control • GPA: 3.90 • Professional Rotations: Pharmaceutical Industry, Hospital, Community Pharmacy, Distribution, and Regulatory (BPOM)

PHARMACEUTICAL SCIENCE AND TECHNOLOGY

July 2021 – July 2025

Bachelor's Degree • GPA: 3.92

- **Relevant Coursework:** Basic Pharmaceutical Analysis, Instrumental Pharmaceutical Analysis, Development & Validation of Analytical Methods (grade: A); (Instrument used: Spectrophotometer UV-Vis, FTIR, HPLC, Dissolution Tester, Disintegration Tester, and other Solid Dosage Evaluation Instruments).
- Thesis: Formulation and Characterization of Garlic (*Allium Sativum* L.) Extract Liposomes and In Vitro Angiotensin-Converting Enzyme Inhibitory Activity Assay
 - Formulated the nanoparticle, conducted physicochemical characterizations on the optimized formula: particle morphology, zeta potential, pH, and performed stability testing to ensure product quality and physical stability.
 - Evaluated the in vitro antihypertensive by performing an ACE inhibitory activity assay, comparing the IC50 values of the liposomal extract against the pure unformulated extract and Captopril as the gold standard.

WORKING EXPERIENCES

Quality Compliance Intern, PT Anugrah Amarta Global (Dexa Group)

March 2026 – April 2026

- Developed a comprehensive HACCP analysis for liquid drink pre-production by evaluating Development Trial Reports (DTR), ensuring quality and safety standards from the trial phase.
- Updated the Quality Risk Management (QRM) SOP, revised the Site Master File (SMF), and participated in shopfloor GMP inspections across production, packaging, engineering, and warehouse facilities.
- Participated in the Technology Transfer Trial for an oral herbal liquid product, specifically monitoring the filling and capping processes and conducting deliverable volume tests for *in-process control* (IPC).

Quality Assurance Intern, PT Pharos Indonesia

July 2024 – August 2024

- Contributed to Quality System activities: managed to review ± 10 batch records per day as part of Batch Disposition process, assessed the CPPs and CQAs of 20 batch per day for Product Quality Review data, and organized batch records in the document centre as part of document control.
- Taken part in process validation activities on the production floor, finalizing > 7 validation reports and protocols.
- Attending GMP basic training and internal audit in warehouse facilities.

Practicum Assistant: Basic Chemistry (Aug – Dec 2022), Pharmaceutical Botany (Aug – Dec 2023), Physical Pharmacy (Feb – Jun 2024), Integrated Pharmacognosy (Aug – Dec 2024), Pharmacokinetics (Feb – Jun 2025)

- Directed weekly practicum sessions for a group (4 – 6 students) each session (± 4 hours), thoroughly reviewing 6 – 10 modules per semester as the lecturer's liaison to deliver comprehensive theoretical instructions.
- Demonstrated the analytical instruments and laboratory equipment, and guided students' hands-on activities.
- Led discussions about the experimental results connecting the practical outcomes with theoretical concepts, evaluated student's progress by assessing pre-tests, post-tests, and in-session performance.

ORGANIZATIONAL EXPERIENCE

Head of R&D, ABLE: Industry Simulation Project (Entrepreneurship Course)

March 2025 – May 2025

- Conceptualized a teenage skincare line (Face Wash, Moisturizer, and Sunscreen) by determining the dosage forms and ingredient concentrations, and designing the theoretical laboratory-scale manufacturing processes.

Himpunan Mahasiswa Farmasi 'Ars Praeparandi' ITB

September 2022 – March 2024

- Staff of Pharmaceutical Studies and Profession Division
- Secretary of Wisuda April 2023
- Relation Staff BSO Pharmanova 2023 & 2024
- Vice Coordinator of LO Wisuda Oktober 2022

ACHIEVEMENT

**Chong Kun Dang Kochon Foundation Scholarship Awardee
Drug Packaging Design Competition, 1st Winner (with team)**

**October 2022 – August 2026
November 2024**

SKILLS

- Laboratory Work and Pharmaceutical Research
- Scientific Data Analysis and Problem Solving
- GMP & GLP
- Quality Risk Management & Document Control