

AISYAH AYU MAHARANI

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SUMMARY

Bachelor of Pharmacy graduate from Institut Teknologi Bandung with internship experience in the pharmaceutical industry and research experience in formulation development. Experienced in scientific documentation, data analysis, cross-functional collaboration, and project execution within research and pharmaceutical operations. Highly detail-oriented with a strong interest in the pharmaceutical and FMCG industries, eager to contribute to product innovation, operational excellence, and regulatory compliance.

EDUCATION

Bandung Institute of Technology

Bachelor of Pharmacy | Pharmaceutical Science & Technology

Bandung, Indonesia

Aug 2020 – Jul 2024

- GPA: 3.60/4.00
- Awardee of Bank Indonesia Scholarship 2022 – 2024
- Final Project: Nanonization and Characterization of Tempuyung (*Sonchus arvensis*) Leaf Extract and In Vitro Inhibition of HMG-CoA Reductase Enzyme and Antioxidant Activity

PROFESSIONAL EXPERIENCE

Intern, Pharmacovigilance - Deka Group - Jakarta, Indonesia

Feb 2026 – Present

Pharmacovigilance Operations

- Processed 220+ Product Technical Complaint (PTC) registrations through Infotehna while ensuring accurate documentation and timely coordination across cross-functional stakeholders
- Coordinated with Product Managers and Marketing teams to process and distribute 100+ Final Complaint Responses, ensuring timely communication and documentation.
- Completed 23+ CDER safety assessments by reviewing global regulatory safety updates and supporting internal safety communication.
- Conducted weekly literature screening and supported retrospective reviews to identify product safety insights and support evidence-based documentation.
- Managed multiple concurrent pharmacovigilance documentation and reporting activities while meeting regulatory timelines and supporting cross-functional projects

Regulatory Documentation

- Drafted 7+ Risk Assessment documents in accordance with international regulatory references, including PMDA and NPRA guidelines.
- Supported the preparation of Periodic Safety Update Reports (PSUR)

Data Analytics & Reporting

- Developed an interactive Looker Studio dashboard integrating PTC, AE, PSUR, and RMP metrics to improve performance monitoring and support operational decision-making.
- Performed monthly reconciliation across AAM, QA, PTC, and AE datasets, ensuring complete case reporting (zero hidden reports).
- Managed PV training records and coordinated departmental training reports to support timely completion of a 6-month training program.

Research Assistant (RISPRO LPDP–Indofarma Collaborative Research Project)

Jun 2023 – May 2024

- Optimized planetary ball milling parameters (rotation speed, ball-to-powder ratio, and milling time), reducing particle size of *Sonchus arvensis* leaf extract by over 80% (2,829 nm to 471 nm).
- Enhanced formulation performance by improving solubility and increasing total phenolic and flavonoid content following nanonization optimization.
- Performed physicochemical characterization using PSA, SEM, XRD, FTIR, TG-DTA, and UV-Vis to evaluate nanonization outcomes and guide formulation optimization.
- Prepared experimental protocols and technical documentation supporting the RISPRO LPDP–Indofarma collaborative research project.

Liquid & Semisolid Pharmaceutical Technology Laboratory Assistant*Aug – Dec 2024*

- Guided students in the preparation and evaluation of liquid and semisolid formulations while ensuring adherence to laboratory procedures.
- Evaluated formulation quality, homogeneity, appearance, and basic stability of liquid and semisolid dosage forms.
- Reviewed and verified laboratory reports to ensure data completeness, clarity, and traceability prior to submission.

Phytochemistry, Pharmaceutical Biology Laboratory Assistant*Aug – Dec 2024*

- Guided and mentored undergraduate students in the isolation of chemical compounds from natural products (simplicia).
- Instructed students on laboratory techniques, including extraction, fractionation, isolation, purification, identification, and characterization of natural compounds.

Pharmacokinetics Laboratory Assistant*Jan–Jun 2024; Jun–Dec 2025*

- Facilitated pharmacokinetics laboratory sessions, ensuring protocol compliance and accurate experimental execution.
- Compiled, cross-checked, and validated experimental datasets to improve reporting accuracy.
- Reviewed laboratory reports and supporting literature to strengthen students' scientific reasoning and data interpretation

Basic Pharmaceutics Laboratory Assistant*Aug–Dec 2022; Aug–Dec 2023*

- Facilitated formulation of solutions, suspensions, emulsions, creams, and ointments while ensuring formulation accuracy and compliance with laboratory procedures
- Reviewed formulation compositions using Handbook of Pharmaceutical Excipients (HOPE) and pharmacopoeial references to ensure appropriate excipient selection and formulation quality
- Evaluated laboratory reports for scientific accuracy, formulation rationale, and documentation quality, providing technical feedback to students.

ORGANIZATION EXPERIENCE

Head of Pharmacy Subject Subdivision - Pharmanova ITB 2023*May 2022 – Jan 2023*

- Led preparation of structured learning materials and problem sets for a national-level pharmacy competition.
- Coordinated cross-functional teams to ensure alignment with academic standards and event timelines.

MBKM Socio-Entrepreneurship Volunteer - Bandung Institute of Technology*Aug – Dec 2022*

- Planned and developed a social project in Tanjungsari village, encompassing health education and community entrepreneurship initiatives.
- Contributed to branding, promotion, and market testing activities to evaluate community-developed products and support commercialization initiatives

Intracampus Officer - Aku Masuk ITB 2022*Jan – Mar 2022*

- Coordinated communication and maintained relationships between Aku Masuk ITB 2022 and campus internal organizations including KM ITB.

Intern, Intracampus Division - HMF 'Ars Praeparandi' ITB*Aug – Dec 2021*

- Facilitated communication and maintained relationships between HMF and campus internal organizations.

Intern, PSDM Division - Kabinet KM ITB*Oct 2020 – Mar 2021*

- Contributed to ITB undergraduate student development initiatives in Human Resources, and collaborated in organizing OSKM ITB 2021.

SKILLS

Software: Microsoft Office (Outlook, Word, Excel, PowerPoint), Canva, Capcut, Data Studio, Tableau, Minitab

Technical Skills: Formulation Development, Physicochemical Characterization, Experimental Design, Data Analysis, Scientific Literature Review, Process Optimization

Languages: Indonesian (Native) | English (Professional working)