

SUMMARY

Fresh graduate Apothecary with hands-on experience in **product development, formulation trials, and QbD-based process improvement** through a pharmaceutical manufacturing internship. Skilled in **raw material assessment, technical documentation, and cross-functional collaboration** to support compliant and scalable product formulation. Eager to build a career in **Research & Development** and contribute to innovative pharmaceutical product development.

CORE COMPETENCIES

- **Product Development:** QbD Framework, Formulation Trials, Raw Material (CoA) Assessment, Scale-Up & Process Validation, BPO Preparation
- **Analytical & Technical:** Incompatibility Studies, Assay/Deviation Investigation, Preclinical Research Methods (HPLC, behavioral assays), Data Analysis
- **Regulatory Submissions & Documentation:** BPOM Regulatory Reporting, Technical Documentation & Dossier Support, Regulatory Update Monitoring

EDUCATION

Universitas Sumatera Utara | Medan 2025 – 2026
Pharmacist Professional Program

Universitas Sumatera Utara | Medan 2021 – 2025
Bachelor of Pharmacy, GPA: 3.64/4.00 (Cumlaude)

- Relevant coursework: Product Development, Industrial Pharmacy, Pharmacy Management, Cosmeceutics, Drug Delivery System
- Achievements:
 - 6th Winner of Times Squad National Competition in Essay, Times Squad USU (2023) | [Certificate](#)
 - 1st Runner Up of Biology Scientific Essay Competition (BISTEC) (2023) | [Certificate](#)
- Publications:
 - *Eriobotrya japonica* a review: Phytochemical constituents, traditional uses, and therapeutic potentials, Journal of Agriculture and Food Research, Elsevier (2025) | [Published Article](#)
 - In-depth analysis of lupeol: delving into the diverse pharmacological profile, Experimental Pharmacology and Drug Discovery, Frontiers (2024) | [Published Article](#)
 - Nanotechnology and Flavonoid: Current Research and Future Perspectives on Cardiovascular Health, Journal of Functional Foods, Elsevier (2024) | [Published Article](#)

National University of Malaysia (Faculty of Pharmacy) | Kuala Lumpur Jun – Aug 2024
Research Attachment – Neuropharmacology

- Conducted **in vivo evaluation** of antidepressant activity from natural compounds.
- Performed **animal handling, dosing, and behavioral assessment** using standardized experimental procedures across 30 rodent subjects.
- Collected and processed **behavioral and cognitive data using ANYmaze Software** to support objective and reproducible outcome measurement.
- Conducted **quantitative analysis** of brain tissue samples using **HPLC**.
- Performed **experimental data processing and statistical analysis** using GraphPad Prism.

INTERNSHIP EXPERIENCES

PT Pharos Indonesia | South Jakarta Jan 2026 – Feb 2026
Pharmacy Professional Internship – New Product Development | [Internship Letter](#)

- Participated in **3 QbD-based formulation trials** across lab- and pilot-scale, including material compatibility assessment, and process parameter evaluation against predefined CQAs and CPPs.
- Reviewed **7 raw material CoAs** and supported formulation readiness, reformulation, and scale-up activities through Batch Production Order preparation and technical documentation.

- Collaborated **across departments (QA, QC, Production, Regulatory)** to support formulation development, assay investigation, and product scale-up.
- Supported **GMP-compliant R&D activities** across the development cycle, including **IPC, dosage-form evaluation, process validation, and compliant documentation** in accordance with CPOB, data integrity, and BPOM requirements.

PT Millennium Pharmacon International, Tbk | Medan

Nov 2025

Pharmacy Professional Internship

- Maintained **CDOB/CDAKB-compliant** receiving, storage, and distribution for 200+ pharmaceutical and healthcare products.
- Supported **e-Report PBF regulatory documentation to BPOM** for regular and PPO products, and executed storage qualification/validation across **8 data logger points**.
- Assisted in **customer qualification** and **analyze 43 customer complaints**, product return monitoring, and CAPA implementation to support quality and compliance.
- Participated in **4 weekly internal audits** (stock opname, documentation review) and prepared internal training materials, pre-tests, post-tests for Precursor, Psychotropic, and OTC product handling.

UPTDK RSU Haji Medan PEMPROVSU | Medan

Apr 2026 - May 2026

Pharmacy Professional Internship – Clinical Pharmacist

- Supported hospital pharmacy operations and **quality assurance** in compliance with **SOPs, medication safety standards, and Ministry of Health Regulation No. 72/2016**.
- Participated in **pharmaceutical records, logistics and inventory control** across 6 pharmacy units.
- Reviewed and dispensed **~250 outpatient prescriptions** and performed aseptic compounding of cytotoxic preparations following established protocols.
- Delivered SOAP-based clinical case presentation for **~10 patients** daily, applying evidence-based guidelines to identify drug-related problems (DRPs).

Clinical and Community Pharmacy Laboratory | Medan

Aug 2024 - Jun 2025

Laboratory Assistant of Pharmacotherapy and Community Pharmacy

- Co-developed practical syllabi, assessment rubrics, and OSCE materials and coordinated examination requirements for **~200 students/semester** with lecturers and laboratory assistants.
- Supervised and guided students during practical sessions in dispensing, patient counseling, interprofessional communication, and clinical case discussions.

ORGANIZATIONAL EXPERIENCES

BEM Fakultas Farmasi USU | Staff of Education and Scientific Department

Jul 2024 – Mar 2025

- Coordinated the RXPO National Essay Competition for **~65 participants**, covering guideline preparation, participant coordination, assessment, and team communication.
- Led and mentored **~80 committee members** as a POTION instructor, coordinating program activities with the Education & Scientific team.

INCOMPHASCO USU | Secretary of Olympiad Club

Jan 2024 – Dec 2024

- Managed end-to-end execution of the faculty-level ONMIPA selection.
- Coordinated with internal teams on administrative tasks, meeting agendas, training sessions, and information gathering for upcoming olympiad events.

SKILLS & LANGUAGES

- **Technical Skills:** Microsoft Office (Word, Excel, Powerpoint), Google Workspace (Docs, Sheets), Graphpad Prism, Canva
- **Soft Skills:** Analytical & Problem Solving, Attention to Detail, Cross-Functional Collaboration, Communication, Research & Critical Thinking, Time Management
- **Languages:** Indonesian (Native), English (Professional)