

MULYADI, S.FARM., APT.

Pharmacist | Laboratory Supervisor | R&D & Quality Analysis Professional

Medan, Indonesia • +62 895-60545-2288 • mulyadisang2017@gmail.com • www.linkedin.com/in/mulyadi-sang

PROFESSIONAL SUMMARY

Cum Laude Pharmacist graduate from Universitas Sumatera Utara with over 2 years of experience as a Laboratory Supervisor, alongside extensive internship and practical experience across the pharmaceutical industry, distribution, and healthcare service facilities. Possesses deep expertise in Research & Development (R&D), quality analysis, manufacturing processes, and compliance with key industry standards, including CPOB/GMP, CDOB/GDP, CAPA, and Root Cause Analysis (RCA). Focused on advancing a career in the pharmaceutical industry by applying technical capabilities to ensure optimal product quality standards.

WORK EXPERIENCE

Laboratory Supervisor — Poltekkes Kemenkes, Medan Jan 2024 – Aug 2026

- Led and supervised daily laboratory operations to maintain strict adherence to GLP, CPOB/GMP, and Standard Operating Procedures (SOPs).
- Managed and maintained raw material and reagent inventories, and performed high-precision periodic calibrations of laboratory equipment.
- Supervised and executed solid dosage manufacturing processes across three primary methods: wet granulation, dry granulation, and direct compression, managing workflows from raw material weighing to tablet compression.
- Conducted testing and controlled critical quality parameters of tablets (e.g., moisture content LOD/MC, disintegration time, hardness, friability, and weight variation) based on pharmacopeial standards.
- Performed troubleshooting for technical tablet compression issues (capping, sticking, cracking) and evaluated powder mass flowability and compressibility characteristics.
- Operated and maintained physical tablet testing instruments (Hardness Tester, Friability Tester, Disintegration Tester, Analytical Balance) and primary production machinery (Cabinet Dryer, Single Tablet Compression Machine).
- Managed and controlled laboratory-scale sterile preparation processes, including infusions, ampoule/vial injections, ophthalmic preparations, and sterile semi-solid dosage forms.
- Ensured all sterile manufacturing operations were executed aseptically inside Laminar Air Flow (LAF) units to prevent microbial contamination.
- Supervised the execution of instrument and material sterilization procedures tailored to specific handling requirements.
- Oversaw ampoule sealing, vial capping, and container/tube closing processes to prevent external contamination risks.
- Verified primary and secondary packaging details, ensuring clear and accurate printing of batch numbers and expiration dates.
- Mentored students as a technical consultant for final research projects while enforcing compliance with laboratory Occupational Health and Safety (K3) standards.

Pharmacist — Apotek Harapan Prima, Medan Jun 2024 – Mar 2026

- Delivered pharmaceutical care services in full compliance with professional standards and healthcare regulations.
- Validated prescription suitability, dispensing medications, and conducting patient counseling for 30–50 prescriptions daily.
- Provided Drug Information Services (PIO) and guided self-medication consultations for 50–100 patients daily.
- Managed pharmacy inventory with high accuracy to prevent stockouts and loss, supporting smooth daily operations.
- Conducted daily spot checks and routine monthly stock takes.
- Coordinated with the Pharmacist-in-Charge (APJ) to oversee operations and uphold strict regulatory compliance.

- Applied CPOB/GMP standards in daily operational workflows.
- Assisted in the development and Analytical Method Validation (AMV) for generic tablet dosage forms.
- Prepared comparative matrix analyses and physical inspection reports for Azithromycin, Cefixime, 5-Fluorouracil, and Leucovorin Calcium.
- Performed Comparative Dissolution Testing (UDT/Biowaiver testing).
- Drafted drug validation reports to support continuous quality improvement.
- Transferred validated analytical methods to Quality Control (QC) to ensure accurate batch release.
- Observed manufacturing and packaging processes for solid and liquid dosage forms to evaluate production workflows.
- Collaborated with R&D, QC, and Production teams to gain cross-departmental insights into pharmaceutical plant operations.

EDUCATION

Apothecary Professional Program (Pharmacist Degree) — Universitas Sumatera Utara 2022 – 2023

GPA: 3.83 / 4.00 (Cum Laude) | Pharmacist Registration Certificate (STRA): Active

Bachelor of Pharmacy (S.Farm.) — Universitas Sumatera Utara 2017 – 2022

GPA: 3.20 / 4.00

Thesis: Determination of Chlorpyrifos and Profenofos Pesticide Residues in Tomatoes Using UV Spectrophotometry via Mean Centering of Ratio Spectra (MCR)

ORGANIZATIONAL & COMMUNITY EXPERIENCE

Community Service Pharmacist — Tiga Juhar Village, Deli Serdang 2025

- Provided consultations and Drug Information Services (PIO) directly to local residents to improve medication adherence and prevent improper drug use.

President — Ath-Thibb Islamic Student Activity Unit, Faculty of Pharmacy, USU 2019 – 2020

- Led and developed academic and non-academic programs for Muslim pharmacy students.

CERTIFICATIONS, TRAINING & AWARDS

- Good Manufacturing Practice (CPOB) Training (2026)
- Nuclear Medicine Services, Radiopharmaceutical Production, and Specialist Pharmacist Training (2026)
- Epidemiological Investigation and Laboratory Support in Initial Response (2026)
- The Role of R&D in the Pharmaceutical Industry (2026)
- CAPA and Root Cause Analysis (RCA) Training (2026)
- Good Distribution Practice (CDOB) Standard Training by BPOM (2025)
- Regulatory Affairs in Pharmaceutical Industry Training (2025)
- KEMENDIKTI Grant Recipient: Student Creativity Program (PKM) for Drug Development Innovation (2019)

SKILLS & COMPETENCIES

Instrumentation & Tools:	HPLC, UV/Vis Spectrophotometry, TLC, FTIR, UV Probe, Matlab, Ms. Office, Google Workspace
Languages:	Indonesian (Native/Fluent), English (Intermediate)
Core Skills:	Leadership, Professional Communication, Time Management, Teamwork, Analytical Thinking, Conflict Management, Critical Thinking, Regulatory Compliance (CPOB/CDOB), CAPA, RCA