



AYA SOFIA ARASI

Quality Assurance | Quality Control | Pharmacist

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PROFESSIONAL SUMMARY

A Pharmacist graduate from Universitas Muhammadiyah Purwokerto and Bachelor of Pharmacy from Institut Teknologi Sumatera, offering internship experience in national and international pharmaceutical manufacturing industries, distribution centers, and healthcare facilities. Expertly focused on quality compliance (QA/QC) and clinical pharmacy management. Demonstrates technical expertise in evaluating the performance of critical HVAC utility systems, conducting in process control and physical quality testing for tablet and semisolid formulations, as well as managing moisture monitoring and quality assurance for **over 110 medicinal and medical device products**. Proven capability in managing the dispensation of **more than 100 prescriptions daily**, conducting medication reconciliation **for over 10 patients per day**, and providing comprehensive counseling for both inpatients and outpatients. Successfully finalized draft procedures for handling product quality complaints based on 2018 GDP regulations with zero deviations, mapped risk profiles **for over 100 near expiration products**, minimized medication errors **by classifying 103 high alert and look alike sound alike items**, and optimized therapeutic compliance for more than **50 patients daily through structured clinical approaches**. Equipped with strong analytical skills and high attention to detail, I aspire to build a professional career as a **Quality Assurance, Quality Control, or Pharmacist** to contribute significantly toward maintaining product quality standards, operational efficiency, and patient safety in the pharmaceutical industry or healthcare services.

CORE COMPETENCIES

- **Pharmaceutical R&D & Formulation**
- **Quality Management System (QMS)**
- **Clinical Pharmacy Services**
- **Supply Chain & Logistics**
- **In-Process Control (IPC)**
- **Pharmacovigilance & Drug Safety**
- **Financial & Business Analysis**
- **Phytochemistry & Research**
- **Industrial HVAC & Safety**
- **Regulatory Affairs (RA)**

EDUCATIONAL BACKGROUND

UNIVERSITAS MUHAMMADIYAH PURWOKERTO

February 2025 – May 2026

Pharmacist Professional Program (IPK 3.79/4.00) (Cumlaude)

- **Areas of Interest:** Pharmaceutical Manufacturing, Industrial Pharmacy Practice, Community Pharmacy Practice.
- **Summary:** Focused on a comprehensive series of pharmacy practice internships across the industrial, regulatory, and clinical sectors. **Selected as one of the top four students** through document screening and English interviews to participate in a high quality international industrial internship at IKOP Pharma Malaysia.

INSTITUT TEKNOLOGI SUMATERA

August 2020 – November 2024

Bachelor of Pharmacy (GPA 3.59/4.00) (Cumlaude)

- **Thesis Title:** Acute Toxicity Testing of Methanol and N-Hexane Extracts of White Mangrove Leaves (*Avicennia alba* Blume.) on Zebrafish Embryos (*Danio rerio*).
- **Areas of Interest:** Pharmaceutics, Liquid, Semi-Solid, and Solid Dosage Form Technology, Cosmetology, Pharmacotherapy, and Phytochemistry.
- **Summary:** Actively served as a laboratory teaching assistant, led an experimental research team for the PKM-RE student research grant, and held strategic managerial roles within the student major association.

CERTIFICATION & TRAINING

- **Good Manufacturing Practices (GMP) Training**, Makin Ahli, 2026 - [Link](#)
Modules: GMP Philosophy and Regulations, Industrial Quality Systems, Personnel and Hygiene, Manufacturing Premises and Facilities, Computerized Production Systems, and Internal Audit and Self Inspection.
- **Quality Assurance (QA) in Pharmaceutical Industry Training**, Makin Ahli, 2026 - [Link](#)
Modules: Global Quality Regulations, Quality Risk Management (QRM), Technical Documentation, Qualification and Validation, and Deviation Handling and CAPA Systems.
- **Quality Management System (ISO 9001:2015) Training**, Makin Ahli, 2026
Modules: ISO 9001 Clause Structure, Risk Based Management, Implementation and Quality Objectives, Internal Audit Procedures, and Corporate Case Studies.
- **Regulatory Affairs in Cosmetic Industry Training**, Latih, 2026 - [Link](#)
Modules: BPOM Notification Workflow, Cosmetic Ingredient Safety, Product Information File (PIF), Benefit Claims, 2026 Mandatory Halal Regulations, and Marketing Authorization Issues.
- **Career Introduction: Regulatory Officer**, Latih, 2026 - [Link](#)
Modules: Product Development Workflow, Registration of Finished Drugs and Natural Products at BPOM, New Registration Documents, and Mitigation of Application Rejection.
- **Career Introduction: Production Supervisor**, Latih, 2026 - [Link](#)
Modules: Pharmaceutical Production Management, Roles and Challenges of a Supervisor, and Operational Case Studies.
- **Career Introduction: Regulatory Specialist Medical Device Distributor**, Latih, 2026
Modules: OSS RBA and KBLI classification, Good Distribution Practices for Medical Devices (CDAKB), Product Life Cycle, and Post Market Surveillance including E Report and E Watch.

WORK EXPERIENCES

RSUD PROF. DR. MARGONO SOEKARJO PURWOKERTO

October 2025 – November 2025

Pharmacist Intern

- **Conducted** prescription suitability analysis and periodic evaluations of **more than 100 medicine items** to precisely revise and compile the Hospital Formulary.
- **Formulated** logistics planning using consumption and epidemiology methods, and executed ABC VEN analysis for **200 medicinal products** based on the **past 3 months** of consumption data.
- **Evaluated** the performance of **11 pharmaceutical distributors** across **100 medical products** through order compliance validation, expiration dates & cool chain shipping temperature adherence.
- **Managed** medicine reception from distributors and documented inventory mutations on stock cards and the hospital information system to eliminate bookkeeping variances.
- **Evaluated** storage conditions including temperature and humidity for **110 products** using a thermohygrometer, and sampled FIFO FEFO compliance for **50 products**.
- **Classified** **80 look alike**, **23 sound alike**, and high alert medications through specialized labeling to minimize the risk of medication errors.
- **Performed** clinical assessment and medication reconciliation for **over 10 patients daily**, alongside dispensing medicines via Unit Dose Dispensing and Individual Prescription Dispensing systems for **more than 100 prescriptions per day** across surgery, pediatrics, obstetrics and gynecology, and internal medicine wards.
- **Provided** Pharmacy Information Services to healthcare professionals and **over 50 outpatients**, conducted medical device counseling for insulin and inhalers, and completed pharmaceutical care forms using SOAP notes for **more than 5 patients daily** and side effect reports for **over 3 patient**.
- **Created** patient education media consisting of leaflets and informational content titled Let Us Get to Know Hemophilia Closer covering definitions, types, pathophysiology, treatments, and safe lifestyles, which received approval from the Pharmacist in Charge.

Key Impact: Successfully minimized medication error risks in inpatient and outpatient service units, secured logistics accuracy from 11 pharmaceutical distributors, and improved patient therapeutic compliance through a structured clinical pharmacy approach.

Tools: Hospital Information System (SIM RS), Thermohygrometer, Digital Stock Cards, Clinical Verification Checklist, SOAP and MESO Forms, Blue Code Kit or Emergency Trolley.

LEMBAGA FARMASI ANGKATAN UDARA

September 2025

Pharmacist Intern (National Industry Rotation)

- **Executed** In Process Control physical quality testing on the non beta lactam tablet production line to ensure specification compliance with GMP guidelines.
- **Audited** operational parameters for HVAC, Steam Production, and wastewater treatment systems via field inspections to understand critical utility integration.
- **Reviewed** the document completion workflow for Batch Manufacturing Records & Batch Production Records with the production team to ensure comprehensive traceability of the packaging process.
- **Studied** manufacturing workflows across Non Beta Lactam, Beta Lactam, Cephalosporin, and Household Health Supplies facilities from R&D to distribution.

Work Methods: IPC Sampling, Technical Field Inspection, Simulated Production and Documentation Audit, GMP Guidelines Implementation.

Key Impact: Ensured GMP compliance in non beta lactam tablet production and mastered critical manufacturing utility integration.

IKOP PHARMA, SDN, BHD. IIUM - MALAYSIA

August 2025

Pharmacist Intern (International Industry Rotation)

- **Conducted** sampling and minimum fill physical testing for semisolid formulations in the QC Chemistry laboratory according to British Pharmacopoeia (BP) quality standards.
- **Prepared** TSA and SDA microbiology culture media aseptically using a Laminar Air Flow workbench to maintain plate count testing accuracy for the environmental monitoring program.
- **Drafted** Tier III documents regarding the Product Complaint Procedure based on 2018 GDP regulations to strengthen the effectiveness of quality complaint handling.
- **Created** an internal audit checklist for the Personnel department referencing GMP Chapter Personnel regulatory standards as an evaluation tool for worker competency and hygiene.
- **Formulated** aqueous cream prototypes at a trial scale using the emulsion method to evaluate physical stability based on a Quality by Design (QbD) approach.
- **Compiled** HVAC Monitoring and Temperature Mapping Reports to evaluate temperature consistency in the quarantine warehouse.
- **Reviewed** international regulations via comparative presentations on Malaysian DRGD to map marketing authorization variation pathways.
- **Studied** global market structures, Product Life Cycle concepts, iGesc branding, halal assurance systems, and OOS investigations.

Tools: Laminar Air Flow (LAF), Autoclave, QC Chemistry and Microbiology Laboratory Instruments, QMS Documentation (3rd Tier Document), FMEA Analysis.

Key Impact: Successfully enhanced quality complaint handling standards through a GDP 2018 compliant procedural draft, validated warehouse temperature distribution consistency via mapping reports, and generated stable emulsion prototypes based on QbD principles.

PUSKESMAS KERTEK - WONOSOBO

July 2025

Pharmacist Intern (Public Health Center Rotation)

- **Formulated** the annual medicine requirement plan through LPLPO documents for 392 pharmaceutical products using the consumption method to minimize death stock levels.
- **Verified** the physical conformity of goods receiving for 63 types of products transferred from the central warehouse to the maternity ward subunit to ensure logistics mutation accuracy.

- **Provided** interactive Pharmacy Information Services for **more than 100 patients daily** at the dispensing counter to optimize therapeutic compliance.
- **Conducted** clinical screening for over **100 prescriptions per day**, completed side effect reporting forms, documented pharmaceutical care notes, and recorded prescription indicator reporting data for antibiotic use in non pneumonia acute respiratory infections and non specific diarrhea.

Work Methods: Clinical Pharmacy Services (Screening and Dispensing), Antimicrobial Stewardship, LPLPO Logistics Management, Procurement Alignment Evaluation with the National Formulary.

Key Impact: Optimized procurement budget against death stock, **ensured 100%** subunit logistics accuracy, and improved rational antibiotic use in the community.

DINAS KESEHATAN KABUPATEN WONOSOBO

July 2025

Pharmacist Intern (Government & Regulatory Rotation)

- **Analyzed** the Health Office annual medicine demand forecasting for **30 primary products** using the consumption method to prevent public medicine stockouts.
- **Evaluated** stock card data for **over 100 products** in the regional pharmaceutical warehouse to map out the percentage of near expiration items remaining **under 3 & 6 months alongside death stock**.
- **Evaluated** GDP (CDOB) distribution compliance, medicine regulations, SIA/SIPA licensing, and laboratory standard operating procedures.

Work Methods: Stock Card Data and Logistics System Analysis, Regulatory Assessment, Good Distribution Practices Compliance Evaluation.

Key Impact: Delivered accurate annual medicine demand forecasts and mapped risk mitigation for **100+ near expiration products** in the regional warehouse.

APOTEK HARUM-KEBUMEN

June 2025

Pharmacist Intern (Community Pharmacy Rotation)

- **Managed** stock taking and procurement for **30 regular and psychotropic medicine items** via E Pharmacy applications to control capital efficiency.
- **Calculated** pharmacy financial projections by evaluating ROI, BEP, and PBP parameters using a draft feasibility study as a foundation tool for strategic planning of new pharmacy establishments.
- **Drafted** standard guidelines for dry syrup preparation and dispensing SOPs to minimize reconstitution errors by pharmacy technicians.
- **Managed** self medication for **50+ daily patients**, **20+ prescription dispensing**, ABC procurement analysis, and SIPNAP reporting.

Tools: E Pharmacy Application, Customer Satisfaction Questionnaires via Random Sampling, Financial Analysis Templates covering ROI, BEP, and PBP, Regulatory Procurement Order Forms.

PT ANUGRAH ARGON MEDICA

May 2025

Pharmacist Intern

- **Formulated** regional distribution planning for **230 health products** using the consumption method to optimize supply chain targets.
- **Validated** the administrative authenticity of **10 regular & precursor purchase orders** from various network outlets to enforce medicine distribution compliance based on Good Distribution Practices.
- **Compiled** periodic distribution transaction reports for **47 precursor products** through the official e report system to ensure reporting data integrity for regulatory authorities.
- **Studied** the pharmaceutical distributor licensing workflow via OSS and e BPOM, CDOB or CDAKB certifications, standard operating procedure design for cold chain product reception, and the drafting of damaged goods or receiving reports from NDC Cikarang.

Tools: Official Distribution E Report System, Outlet Purchase Order Verification Forms, Cold Chain SOP Documents, OSS and e BPOM Registration Systems.

Work Methods: Distribution Regulatory Compliance (CDOB and CDAKB), Supply Chain Planning and Forecasting, Distributor Logistics Control Documentation.

Laboratory Teaching Assistant (Pharmaceutical Technology)

- **Guided** laboratory practical sessions for **more than 150 students per semester**, covering material weighing up to pharmaceutical product quality evaluations according to standard specifications.
- **Assisted** students in operating laboratory instruments and validated the data interpretation of physical and chemical test results based on scientific literature.
- **Controlled** the implementation of occupational health & safety regulations alongside GLP for all students in the laboratory to ensure working safety with a zero accident target.
- **Evaluated** student laboratory scientific reports objectively and provided structured academic feedback to measure the understanding level of experimental research methodologies.

Modules:

1. Tablet and Capsule Formulation, Granulation Processes, Powder Physical Characterization, and Solid Dosage Quality Evaluation Testing (**Pharmaceutical Technology**).
2. Prescription Dose Calculation, Formulation of Liquid Dosage Forms including Syrups, Emulsions, and Suspensions, Semi Solid Forms including Ointments, Creams, and Gels, Powder Compounding, and Fundamentals of Sterile Formulations (**Pharmaceutics**).
3. Solution Stability and Chemical Kinetics, Rheology and Viscosity Testing, Particle Size Analysis via Micromeritics, Apparent Solubility, and Interfacial Phenomena (**Physical Pharmacy**).

ORGANIZATIONAL & COMMITTEE EXPERIENCES

- **Secretary General, ITERA Pharmacy Student Association** | January 2023 – January 2024
- **Secretary, Ministry of Arts and Culture, ITERA Student Union** | April 2022 – April 2023
- **Secretariat Board Member, ITERA Pharmacy Student Association** | January 2022 – January 2023
- **Head of Main Event and Community Service Sub Division, Tarahan Village Community Service Grant Team** | June 2023
- **Research Execution Member, PKM Posyandu Grant Team in Banjar Agung Village** | June 2023
- **Research Execution Member, Women Empowerment Program at Griya Damai Lestari** | July 2023

PORTFOLIO

- **Hemofilia Leaflet, PKPA RSUD Margono Soekardjo**, - [Link](#)
- **Leaflet on the Wise Use of Antibiotics, PKPA Puskesmas** - [Link](#)
- **Leaflet on Identifying the Causes of Skin Infections, PKPA Apotek** - [Link](#)
- **Leaflet on How to Use Nasal Sprays, RSUD Sekarwangi Internship** - [Link](#)
- **Community Education on the Impact of Stunting in Toddlers and Functional Food Biscuit Making Workshop, Research Grant PKM Team** - [Link](#)

OTHER SKILLS

- **Soft Skills:** Leadership & Team Management, Communication & Public Speaking, Adaptability & Intercultural Competence, Organizational & Detail-Oriented Skills, Analytical Thinking.
- **Software Skills:** SIM RS, E-Pharmacy, SIPNAP, OSS RBA, e-BPOM, e-Watch, Google Workspace.
- **Language:** English (Intermediate)

REFERENCES

- **apt. Refsya Azanti Putri, M. Farm**, ITERA Academic Advisor, 0812-7070-6678
- **apt. Budi Endhot Raharjo, SpFRS**, Clinic Pharmacist RSUD. Prof. dr. Margono Soekardjo, 0822-2650-9131
- **apt. Kuku Setiawan, S.Farm**, Pharmacist in Charge – Apotek Harum, 0857-2728-1777
- **Akbar Yusrizal, IKOP Pharma R&D Staff**, +60 13-575-2135