

AJI PUTRA RAHARJO

FORMULATION AND PACKAGING DEVELOPMENT SUPERVISOR

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PROFESSIONAL SUMMARY

Pharmaceutical product development professional with progressive experience in formulation and packaging development, Quality by Design (QbD), CDMO project management, scale-up, process validation, technology transfer, and pharmaceutical, traditional medicine, health supplement, and cosmetic development. Experienced in supervising end-to-end product development activities, from formulation development and laboratory-scale trials through scale-up, primary batches, process validation support, packaging development, and technology transfer. Skilled in managing product development documentation, formulation and packaging materials, supplier qualification, BOM preparation, and manufacturing documentation. Experienced in team supervision and cross-functional coordination, with the ability to coordinate R&D activities with Manufacturing, Quality Assurance, Quality Control, Regulatory Affairs, Supply Chain, Packaging, and other relevant functions. Also experienced as a GMP and Halal Internal Auditor, External Auditor, and member of the Halal Management Team.

CORE COMPETENCIES

Formulation Development (Pharmaceutical and Cosmetic) • Packaging Development • Quality by Design (QbD) • Stress Testing • CDMO / Toll-in-Toll-out • Laboratory Trial • Scale-Up / Pilot Scale / Primary Batch / Exhibit Batch • Process Validation • Technology Transfer • Commercial Scale Monitoring • Material Management • SAS Regulatory Knowledge • SAP • Bill of Material (BOM) • GMP / CPOB / CPOTB / CPKB • GLP • ISO 9001:2015 • Team Supervision • Internal & External Audit • Halal Compliance

PROFESSIONAL EXPERIENCE

PT CAHAYA MANDIRI FARMA

Formulation and Packaging Development Supervisor | November 2025 – Present

- Supervise end-to-end product development activities, including formulation development, laboratory-scale trials, scale-up, primary batches, process validation support, and technology transfer.
- Lead formulation development using the Quality by Design (QbD) approach to support robust and risk-based product development.
- Conduct and supervise stress testing studies for products under development to support formulation optimization and product evaluation.
- Coordinate technology transfer activities for developed products with relevant departments, including transfer of product knowledge, process parameters, and technical documentation.
- Supervise product packaging development and coordinate PPOS with packaging material manufacturers and suppliers.
- Prepare qualification submissions and supporting documentation for starting material and packaging material suppliers.
- Prepare and maintain master production documents, including batch records, and generate Bills of Materials (BOM).
- Manage SAS starting materials, including requests, receipt reporting, usage reporting, and disposal reporting.
- Prepare and maintain master documentation for media fill processing records.
- Supervise formulators, assistant formulators, admin, and laboratory technicians, including task allocation, work monitoring, technical guidance, and follow-up.
- Coordinate cross-functional activities related to product development, technology transfer, research studies, and other R&D activities.
- Serve as an Internal Auditor for GMP and Halal compliance and participate as an External Auditor.
- Serve as a member of the Halal Management Team, supporting implementation and maintenance of Halal compliance.

PT COMBIPHAR

Supervisor – Formulation CDMO & Support Scientist | Jan 2025 – Oct 2025

- Lead new product development using a comprehensive Quality by Design (QbD) approach for drugs, traditional medicines, health supplements, and cosmetics under CDMO / Toll-in-Toll-out projects.
- Manage existing CDMO products, particularly cosmetic products, and coordinate formulation development activities.
- Conduct laboratory-scale trials, scale-up/pilot/exhibit batch, process validation, and commercial-scale monitoring.
- Manage SAS materials and SAS products required for product development activities.
- Manage formulation warehouse raw materials using SAP.
- Manage and control product development documentation for drugs, traditional medicines, health supplements, and cosmetics to support registration activities.
- Manage R&D assets including equipment and instruments, covering procurement, qualification, calibration, maintenance, and repair requests.
- Manage R&D SOP documentation from proposal and drafting through review and periodic review.
- Prepare routine and Toll-in-Toll-out Bill of Material (BOM).
- Supervise formulation staff and manage job allocation within the team.

Supervisor – Formulation Development Scientist | Dec 2023 – Jan 2025

- Develop new products using a comprehensive Quality by Design (QbD) approach for drugs, traditional medicines, health supplements, and cosmetics within Combiphar Group.
- Manage existing products across drug, traditional medicine, health supplement, and cosmetic categories.
- Conduct laboratory-scale trials, pilot-scale scale-up, process validation exhibits, and commercial-scale monitoring.
- Manage formulation raw materials using SAP.
- Manage and control product development documentation to support registration activities.
- Supervise formulation staff and manage job allocation.

PT GUARDIAN PHARMATAMA

Quality Assurance – Process Validation Staff | Jan 2023 – Dec 2023

- Performed process validation for new and existing products in drug, OTSK, and cosmetic categories covering manufacturing and packaging processes.
- Performed revalidation of existing products following impactful changes.
- Prepared process validation protocols and reports.

- Evaluated physical characteristics of pharmaceutical dosage forms during In-Process Control (IPC).
- Assessed relationships among materials, processes, and environmental conditions against physical-chemical product analysis results.

PT AGRINUSA JAYA SANTOSA

Research & Development Formulator – Animal Drugs | Sep 2022 – Dec 2022

- Designed new animal drug products and conducted preformulation studies.
- Performed reformulation of existing products and laboratory-scale trials.
- Determined physical-chemical product specifications based on compendial guidelines and originator information.

PT HARSAN LABORATORIES

Intern | Jun 2021 – Aug 2021

- Completed departmental case studies across QC, QA, R&D, and Production.
- Performed physical and chemical analysis of in-process and finished products in QC.
- Studied preformulation activities and observed pilot-scale product trials in production.
- Studied pharmaceutical manufacturing flow and performed batch record filling checks.
- Performed In-Process Control (IPC) analysis of in-process product samples.

EDUCATION

INSTITUT TEKNOLOGI SUMATERA

Bachelor of Pharmacy (S.Farm.) — Pharmaceutical Science & Natural Product Technology | Aug 2018 – Jun 2022 | GPA 3.65 / 4.00

TRAINING & EVALUATION

- Good Laboratory Practice and Laboratory Safety — GMP & HRD PT Guardian Pharmatama (Feb 2023) | Score 100/100
- Good Manufacturing Practice and ISO 9001:2015 — GMP & HRD PT Guardian Pharmatama (Jan 2023) | Score 100/100
- Pharmacovigilance — GMP & HRD PT Guardian Pharmatama (Jan 2023) | Score 100/100
- CPOB and CPOTB in Manufacturing — GMP & HRD PT Guardian Pharmatama (Jan 2023) | Score 90/100
- Basic K3 — GMP & HRD PT Guardian Pharmatama (Jan 2023) | Score 95/100

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

- Ketua Umum — Generasi Baru Indonesia, Komisariat Institut Teknologi Sumatera (Dec 2020 – Dec 2021)
- Menteri Agama — BEM Keluarga Mahasiswa, Institut Teknologi Sumatera (Jan 2021 – Dec 2021)
- Kepala Divisi Akademik dan Non Akademik — KASRA, Asrama ITERA (Jul 2019 – Jun 2020)
- Ketua Umum Pembentukan Organisasi — Himpunan Mahasiswa Farmasi ASCLEGIEIA, Institut Teknologi Sumatera (Sep 2018 – Jun 2020)

AWARD

- The First Best Presenter — The Call for Paper All Pharmacy Discipline Oral Presenter Competition, 4th PHARMACIE International Seminar (Sep 2022)

TECHNICAL & PROFESSIONAL SKILLS

Microsoft Office (Word, Excel, PowerPoint, Teams) • SAP • Minitab • Spreadsheet • Public Speaking (Indonesian: Active; English: Beginner–Intermediate)