

NABILA SALSADEWI

R&D QC Analyst | Built SPF & Analytical Methods Validated Across Pharma and Cosmetic Industries | HPLC, UV-Vis, FTIR

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PROFESSIONAL SUMMARY

Chemical Analysis graduate with hands-on experience across two regulated R&D environments. As an Analytical Development Intern in pharmaceutical R&D, validated 5-8 analytical methods under ICH/Pharmacopoeia standards and tested 20-30 raw material and finished drug samples per month using HPLC, UV-Vis, and FTIR. As a Laboratory Assistant in cosmetics R&D, developed an SPF determination method now applied across 15+ sunscreen formulations and led stability testing scheduling for skincare products. Comfortable moving between strict regulatory compliance (BPOM, CPOB, GLP) and fast-paced product development cycles.

PROFESSIONAL EXPERIENCE

Laboratory Assistant, Research and Development | PT Cantik Alami Sehat 2025

- Developed an SPF determination method for sunscreen and skincare products using UV-Vis spectrophotometer, applied to 15+ formulations per development cycle.
- Performed routine verification and calibration of laboratory instruments, including analytical balances and pH meters, on a weekly basis to maintain measurement accuracy.
- Recorded and documented test results in laboratory worksheets and electronic databases, maintaining full traceability for internal QC review.
- Managed inventory of 50+ laboratory tools and reagents, coordinating restocking schedules to prevent testing delays.
- Planned and coordinated stability testing schedules for 10-15 samples per cycle across multiple product lines.

R&D Analytical Development Intern | PT Promedrahardjo Farmasi Industri 2024

- Developed and validated 5-8 analytical methods for raw materials and finished drug products based on ICH/Pharmacopoeia guidelines.
- Performed assay, impurity, and stability testing on 20-30 raw material and finished drug samples per month.
- Conducted drug stability studies under multiple storage conditions in accordance with BPOM and ICH regulations.
- Operated HPLC, UV-Vis, FTIR, and Dissolution Tester for routine analysis and method validation studies.
- Transferred validated analytical methods to the Quality Control department, shortening method handover time.
- Documented test results in compliance with CPOB regulations, supporting audit-ready laboratory records.

EDUCATION

Bachelor of Applied Science (D4) in Chemical Analysis 2021-2025

Vocational School, IPB University, Bogor

- GPA: 3.44 / 4.00
- Thesis: Validation of Analytical Method for Determination of Isoniazid in Raw Materials of Anti-Tuberculosis Drugs by HPLC.
- Authored scientific book: Isoniazid as Anti-Tuberculosis Drug.
- Research project: Variation of ZnO Nanoparticle Addition in Polyurethane for Anti-Corrosion Coating on Steel.
- Innovation research in pharmacy: Optimization of Papain Enzyme as Bio-Exfoliating Gel from Papaya Sap with Addition of Arabica Coffee Bean Powder.
- Innovation research: Analysis of Aspartame Levels in Beverage Samples Using a Chemical Sensor with Immobilized Ninhydrin Reagent.

SKILLS

Laboratory Instruments: HPLC, UV-Vis Spectrophotometer, FTIR, AAS, Dissolution Tester, pH Meter, Viscometer

Method Development & Testing: SPF Determination, Analytical Method Validation & Verification (ICH/Pharmacopoeia), Stability Testing, Sensory & Dermatological Testing, Assay & Impurity Testing

Compliance & Documentation: GLP, CPOB/cGMP, BPOM Regulations, SOP Implementation, Laboratory Safety (K3), Technical Reporting

Software: Microsoft Office (Excel, Word, PowerPoint)

Languages: Indonesian (Fluent), English (Intermediate)

CERTIFICATIONS

- Occupational Health and Safety - Badan Nasional Sertifikasi Profesi (BNSP), 2024
- ISO 45001:2018 Occupational Health and Safety Management Systems - Saff Solution, 2023

ORGANIZATION & ACTIVITIES

- Volunteer, Public Relations and Logistics - Career Expo SV IPB University, 2024
- Volunteer, Public Relations - Program Pemberdayaan Masyarakat Desa, 2023
- Volunteer, Committee - Career Day SMAN 1 Cibadak, 2023
- Vice Chair, Internal Audit Division - Student Association of Vocational School, 2021-2023