

Analytical and adaptable Chemistry graduate with experience supporting analytical development activities through method evaluation, quantitative analysis, and laboratory compliance. Proven ability to generate reliable analytical data, perform troubleshooting, and maintain documentation integrity using UV-Vis, HPLC, AAS, and ELISA within research and pharmaceutical environments. Familiar with GMP/CPOB-based laboratory practices and able to work effectively in fast-paced and result-oriented laboratory settings.

TECHNICAL & PROFESSIONAL SKILLS

- Analytical Development:** Analytical Method Evaluation & Optimization, Analytical Method Trial Support, Assay-Related Analytical Support, Preliminary Validation Parameters (Accuracy, Precision, Linearity), Analytical Performance Monitoring, Data Interpretation & Trend Analysis, Root Cause Investigation & Troubleshooting, Stability-Related Evaluation, Experimental Parameter Optimization, Analytical Data Review, Quantitative Analysis, Calibration Curve Preparation, Recovery-Based Evaluation
- Laboratory Instruments:** UV-Vis Spectrophotometer, HPLC, AAS, ELISA, pH Meter
- Documentation & Compliance:** GLP Documentation, GMP/CPOB-Based Laboratory Practice, Technical Reporting and Experimental Documentation, SOP Compliance, Literature Study, Data Traceability and Laboratory Record Maintenance
- Software:** Microsoft Excel (Data Processing and Trend Analysis), Design Expert (RSM/DoE), Microsoft Word, Microsoft PowerPoint

PROFESSIONAL EXPERIENCE

National Research and Innovation Agency (BRIN) - Research Assistant

Nov 2024 – Okt 2025

- Optimized analytical parameters, including concentration, solvent composition, and wavelength, using UV-Vis and ELISA methods to improve analytical consistency and support reliable experimental results.
- Monitored analytical performance through replicate testing, recovery evaluation, and calibration curve assessment, achieving linearity results with $R^2 \geq 0.99$.
- Conducted quantitative analysis, standard preparation, and analytical data interpretation using UV-Vis and ELISA to support formulation and stability-related studies.
- Investigated inconsistent analytical results by reviewing sample preparation, instrument conditions, and experimental procedures, reducing data variability and improving reproducibility.
- Prepared structured analytical reports and laboratory documentation to support data traceability, experimental reproducibility, and research compliance.

PT Widatra Bhakti - Quality Control Intern

Jun 2022 – Aug 2022

- Conducted raw material and pharmaceutical infusion product analysis using AAS and titration methods in compliance with laboratory procedures and quality specifications.
- Supported analytical testing activities, including sample preparation, quantitative analysis, and documentation of QC analytical results.
- Performed preliminary analytical method evaluation through precision and recovery assessments, achieving RSD <2% and recovery values ranging from 98–102%.
- Conducted water quality testing for pH, Pb, Cu, and Fe parameters to ensure compliance with internal quality standards.
- Maintained GLP/GMP-aligned laboratory records and supported documentation activities to ensure data traceability and compliance readiness..

National Research and Innovation Agency (BRIN) - Intern

Aug 2023 -Aug 2024

- Supported compound quantification and experimental evaluation using HPLC and UV-Vis analysis under various testing conditions.
- Assisted in analytical method trials and parameter optimization through controlled experimental adjustments to identify optimal analytical conditions.
- Applied Design of Experiments (RSM/DoE) for trend analysis and evaluation of process parameter effects on analytical outcomes.
- Performed sample preparation, analytical measurements, and laboratory documentation in accordance with standardized laboratory procedures.

Universitas Jenderal Soedirman - Laboratory Assistant

Jan 2023 - Jun 2023

- Supervised laboratory practical sessions and ensured compliance with SOPs and laboratory safety procedures for undergraduate students.
- Assisted students in conducting experiments, preparing materials, and operating laboratory instruments during practical activities.
- Maintained laboratory documentation, equipment records, and administrative data to support efficient laboratory operations.

EDUCATION

Universitas Jenderal Soedirman

Bachelor of Chemistry – 3.60/4.00

Aug 2020 – Okt 2025

PUBLICATION & CONFERENCE EXPERIENCE

- Presenter — *The 9th International Symposium on Applied Chemistry in Conjunction with The 5th International Conference on Chemical and Material Engineering* (2024)
- Co-Author — *“The Significant Process Variable of Tea Powder Production Based on Spray Dry Method” | Jurnal Sains Materi Indonesia* (2024)

ORGANIZATION

- Unit Kegiatan Kerohanian Islam (UKKI) - Chief Secretary
- Chemistry Student Association (HIMAKIM) - Event Committee Member

Feb 2022 – Feb 2023

Sep 2020 – Jan 2021