

ARVITA WULAN PURNAMASARI

+62812-1226-0748 • arvitawulanpurnamasari@gmail.com • LinkedIn

Chemistry graduate from Universitas Negeri Semarang with 2 years of hands-on experience in laboratory testing and research activities as a Laboratory Assistant and Research Intern. Experienced in analytical testing, sample preparation, analytical method validation, material characterization, data analysis, and technical documentation. Familiar with HPLC, UV-Vis spectrophotometer, AAS, and GC. Knowledgeable in method verification, GLP, ISO 17025, SOP compliance, and laboratory documentation. Detail-oriented, analytical, adaptable, and eager to contribute to analytical method development, validation, verification, and product development activities in the pharmaceutical industry.

WORK EXPERIENCE

Laboratory Assistant

Chemistry Laboratory, Universitas Negeri Semarang (UNNES)

Aug 2023 – Dec 2023, Aug 2024 – Jul 2025

- Prepared laboratory equipment, materials, and reagents for **10+ experiments** per semester and supported **50+ students** in sample preparation, laboratory testing, data analysis, and interpretation.
- Operated analytical instruments, including UV-Vis Spectrophotometer, AAS, HPLC, and GC for analyzing **100+ samples**, while maintaining laboratory equipment and documentation in compliance with SOPs.

Research Intern

Research Center for Chemistry, Badan Riset dan Inovasi Nasional (BRIN)

Feb 2024 – Jul 2024

- Conducted laboratory-scale research activities, including experimental work, sample preparation, analytical method development and validation, material characterization data analysis (FTIR, XRD, FESEM-EDX, PSA), and literature research across **2 research projects**, contributing to a Scopus-indexed publication.
- Evaluated method accuracy **through recovery studies, obtaining 96 – 99% recovery**, assessed precision to identify potential deviations and anomalies, contributing to data integrity, analysis, and proper documentation of experimental results.

SKILLS

Technical Skills: Analytical Testing • Chemical Analysis • Analytical Method Development • Analytical Method Validation • Accuracy & Precision • Sample Preparation • Data Analysis & Interpretation • Analytical Instrumentation • UV-Vis • AAS • HPLC • GC • FTIR data analysis • SOP Compliance • CPOB • GLP • ISO 17025 • CAPA • Root Cause Analysis • Documentation • Microsoft Excel • Microsoft Word

Languages: Indonesian (Native) • English (Intermediate)

Soft Skills: Attention to Detail • Analytical Thinking • Problem Solving • Communication • Teamwork • Time Management • Adaptability

EDUCATION

Bachelor of Science in Chemistry

Universitas Negeri Semarang

Aug 2021 – Aug 2025 | GPA 3.70/4.00

CERTIFICATIONS

- Cara Pembuatan Obat yang Baik (CPOB) Training – Makin Ahli
- CAPA and Root Cause Analysis Training – Makin Ahli
- Good Laboratory Practice (GLP) Training – Makin Ahli
- ISO 17025:2017 (Laboratory Management System) Training – Makin Ahli
- Validation and Verification of Chemical Testing Methods Training – Teman Group

PUBLICATIONS

- **First author** – Diagnostic Microbiology and Infectious Diseases. Elsevier (Scopus-indexed), 2026
- **Co-author** – AIP Conference Proceedings. AIP Publishing (Scopus-indexed), 2026
- **Oral Presenter** – The 10th International Symposium on Applied Chemistry (ISAC), 2024

ACHIEVEMENTS

- **Funded Awardee** – Program Kreativitas Mahasiswa Exact Research Category, 2023
- **1st Place** – Pekan Ilmiah Mahasiswa MIPA Essay Competition, 2022