

Dina Wahyu Handayani

+62895380726831 | dinawhyhan@gmail.com | linkedin.com/in/dina-wahyu-handayani
(Kebumen, Central Java 54317)

SUMMARY

Detail-oriented Chemistry graduate with hands-on experience in laboratory analysis, analytical testing, method verification and validation, and research activities. Experienced in water and wastewater analysis based on SNI and APHA standards, sample preparation, analytical data processing, and operating laboratory instruments. Skilled in supporting Quality Control (QC), Research & Development (R&D), and laboratory operations with strong analytical thinking, precision, and commitment to quality and compliance.

EDUCATION

Yogyakarta State University	Yogyakarta, Indonesia
<i>B.Sc. in Chemistry / GPA: 3.63/4.00</i>	2021 - 2025
Thesis: Disproportionation Reaction of Benzaldehyde Compounds in Environmentally Friendly Solvents Student Exchange Program: Department of Chemistry, Sriwijaya University (2024) Relevant Coursework: Chemical Laboratory Management, Chemical Instrumentation, Industrial Materials Analysis, Pharmaceutical Chemistry, Industrial Chemistry, Food Chemistry	

WORK EXPERIENCE

Environmental, Maritime Affairs, and Fisheries Agency (DLHKP) Kebumen	Kebumen, Indonesia
<i>Laboratory Analyst Intern</i>	January - April 2025
- Conducted water sampling of groundwater, surface water, and wastewater in compliance with SNI standards, collecting and analyzing 50 samples to support regulatory and project objectives. - Prepared and analyzed 300+ water and wastewater samples for COD, BOD, TSS, TDS, and oil & grease, while utilizing UV-Vis Spectrophotometry (for nitrate, nitrite, total phosphate) and AAS (for heavy metals) to ensure high accuracy and timely reporting. Verified and validated testing methods for COD, heavy metals (Fe, Mn, Cu, Zn, Cd), and nitrate in accordance with SNI and APHA protocols, ensuring compliance and accuracy across 10 samples. Successfully analyzed and validated 5 sets of analytical data using MS Excel in collaboration with senior supervisors to ensure strict quality standards.	

Yogyakarta State University	Yogyakarta, Indonesia
<i>Organic Chemistry Research Assistant</i>	June 2024 - May 2025
- Performed sample isolation, extraction, and purification for GC-MS, FTIR, and TLC testing. - Analyzed and interpreted chromatograms and qualitative/quantitative spectra to identify chemical structures. - Processed separation and material characterization data systematically to serve as the core analysis for the project. - Served as a co-author alongside the Lead Lecturer in drafting the scientific manuscript titled "TLC Monitoring on The Auto Reduction-Oxidation Reaction of Benzaldehyde Derivatives in Alcohol-Water as Solvent System".	

Yogyakarta State University	Yogyakarta, Indonesia
<i>Laboratory Assistant (Molecular Dynamics)</i>	August - December 2024
- Demonstrated practical lab procedures and safety protocols to ~40 participating students, ensuring adherence to guidelines and minimizing incidents. - Supervised 8 hands-on laboratory sessions, ensuring 100% adherence to standard operating procedures and safety compliance. - Evaluated, graded, and provided technical feedback on ~40 student practical reports per semester.	

- Guided students through experimental procedures, organic synthesis techniques, and safety standards.
- Evaluated and graded ~40 student lab reports weekly, submitting grade documentations to supervising lecturers.

ORGANIZATIONAL EXPERIENCE

Chemistry Student Association (HIMAKI UNY)

Expert Staff, Journalism Department

January – December 2023

- **Content Management:** Created digital content including 35 YouTube videos, 12 articles, and 2 magazines.
- **Exam & Practical Staff:** Developed and validated exam questions and lab instructions for the National Chemistry Fair (NaCF) 2023 in collaboration with chemistry lecturers, supervising participants during exams.
- **Event Secretary:** Served as Secretary for the 67th Chemistry Education Department Anniversary, managing official administrative documentation and proposals.

Chemistry Student Association (HIMAKI UNY)

Junior Staff, Journalism Department

January – December 2022

- **Content Creation:** Produced 29 YouTube videos, 12 articles, and 5 bulletins for official media platforms.
- **Secretariat Coordinator:** Led the secretariat team for IKAHIMKI Region III Regional Conference, managing registration and attendance for 93 participants.
- **Event Secretary:** Served as Secretary for the Chemistry Sports & Arts Week (66th Anniversary), handling official correspondence, proposals, meeting minutes, and scheduling.
- **Public Relations & Logistics Staff:** Served as PR and Logistics Staff for the National Chemistry Fair (CeC) 2022, managing external communications, official correspondence, and the procurement and allocation of event catering.

SKILLS

Technical & Software Skill: Laboratory Analysis, Chemical Analysis, Method Verification & Validation, Sample Preparation, Laboratory Documentation, Food Safety Management

Laboratory Instruments: UV-Vis, AAS, GC-MS, TLC, FTIR

Software: Ms. Excel (Data Processing), Ms. Word, Ms. PowerPoint, Chemdraw, Origin

Soft Skill: Analytical Thinking, Problem Solving, Attention to Detail, Technical Communication, Teamwork, Time Management

Bahasa: Indonesian (Native), English (Intermediate)

CERTIFICATION & AWARDS

- **Laboratory Internal Audit (ISO 17025:2017)** | Syailendra Kukuh Sejahtera (Aug 2026)
- **Laboratory Risk Management Based on ISO 17025 and ISO 31000** | Rengganis Consultant (Aug 2025)
- **Food Handler Training** | DPMPTSP Kebumen (Jun 2026)
- **Chemical Storage Techniques** | Lab Mania (Mar 2025)
- **Basic English Conversation at Work** | BPVP Surakarta (May 2026)
- **Outstanding Students in Arts** | Yogyakarta State University (May 2026)
- **3rd Place Infographic Competition** | HMPS BKI UIN Sayyid Ali Rahmatullah Tulungagung (May 2025)
- **Independent Student Exchange Program (PMM 4)** | Kemdikbudristek (Aug 2024)