

Diah Ayu Thyрта Istiqomah Sadjoko

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PROFILE

Experienced in analyzing water quality parameters, raw materials and products through quality control (QC/QA), preparing reagents, and operating various laboratory instruments such as UV-Vis, AAS, HPLC, ICP, pH meters, conductivity meters, etc. Understand the implementation of ISO/IEC 17025:2017, Good Laboratory Practice (GLP), GMP, and HACCP. Quick to adapt, good analytical skills, and able to work systematically in maintaining the quality of test results.

EDUCATION

UIN Maulana Malik Ibrahim Malang (2021 - 2025)

Bachelor of Science in Chemistry - GPA 3.46

Presenter at The 15th International Conference on Green Technology 2025

Thesis: Antibacterial Activity Test of Silver Nanoparticle Synthesis Products Using Mangosteen Leaf Extract as Bioreductant.

WORK EXPERIENCES

Riau Province DLHK Environmental Laboratory

Laboratory Analyst

June 2026 – Now

- Conduct testing, including the preparation of reagents for 10+ water quality parameters according to applicable standards and technical guidance for personnel for environmental laboratory accreditation.
- Prepare and ensure document control for 10+ laboratory work instructions, quality forms, supporting documents, and logbooks in accordance with ISO 17025:2017.
- Coordinate across agencies to ensure readiness for testing, equipment, materials, and sample management in accordance with applicable standards.
- Ensure all instruments, 50+ tools, and 100+ materials are available per parameter according to applicable standards in preparation for environmental laboratory analysis and accreditation.

Ministry of Environment/Sumatera Environmental Control Center

Laboratory Management Staf

December 2025 – June 2026

- Conducted testing of 10+ water quality parameters, such as pH, COD, conductivity, sulfate, chloride, nitrite, nitrate, phosphate, and other environmental parameters according to SNI and APHA methods.
- Prepared 20+ types of laboratory reagents daily to support analytical activities.
- Calibrated laboratory instruments, monitored chemical stocks, and maintained an inventory of 50+ pieces of laboratory equipment.
- Developed 10+ laboratory SOPs, quality forms, and supporting documents for environmental laboratory accreditation preparation according to SNI 17025:2017.
- Participated in environmental sampling and laboratory testing activities to support environmental quality monitoring activities.

Chemistry Lab. UIN Maulana Malik Ibrahim Malang

Laboratory Asisstant

September 2024 – June 2025

- Prepared, standardized, and verified laboratory 10+ reagents weekly and solutions per day to support analytical and physical chemistry practical sessions.
- Assisted in laboratory practical activities with 20+ students weekly in the complexometric titration, ion exchange, and reaction kinetics.
- Managed 30+ laboratory equipment, materials, and workspace readiness to ensure efficient laboratory operations.
- Conducted 100+ laboratory data recording, student performance evaluation, and data processing monthly.

Quality Assurance Laboratory Analyst

- Conduct quality testing of raw materials, production processes, and sugar products to ensure compliance with company quality standards.
- Analyze quality parameters using UV-Vis instruments and titration, such as phosphate, turbidity, ICUMSA color, lime content, and reducing sugar, in accordance with applicable standards.
- Record and report test results every shift (1 day 3 shifts) as a basis for quality control of the production process.

CERTIFICATION & SKILLS

- **ISO 17025:2017**, by Makin Ahli 2025 (Link: <https://bit.ly/4rmNV93>)
- **TOEFL** by Universal English (**Score: 540**) (Link: <https://bit.ly/3MqQoiz>)
- **Language:** Indonesia (Native) & English (Intermediate)
- **Software:** Ms. Office (Word, Excel, Power point) & SPSS.