

LULU RAHMATILLAH

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PROFILE

A Chemistry graduate with hands-on experience in laboratory analysis, particularly in water quality testing and chemical characterization. Skilled in accurately interpreting test data and ensuring compliance with quality standards and laboratory safety regulations. Experienced in coordinating research projects, working collaboratively within teams, and maintaining high attention to detail in executing operational procedures. Strong interest in Research & Development, Quality Control, and Laboratory Analysis, supported by a commitment to data integrity, process efficiency, and continuous improvement.

EXPERIENCE

Balai Pengujian dan Laboratorium Lingkungan Hidup (BPL2H) Provinsi Jawa Tengah

Laboratory Analyst Intern

February 2024 – June 2024

- Performed end-to-end water and wastewater sampling and testing in compliance with SNI standards and the Ministry of Environment and Forestry Regulation No. P.23/2020.
- Executed daily laboratory analysis for 1–2 batches of samples, covering key parameters such as pH, BOD, DO, COD, TSS, Nitrate, Nitrite, Color, Total Coliform, Cyanide, and Total Phosphate.
- Ensured high analytical accuracy by implementing strict QA/QC procedures, conducting routine instrument calibration, and maintaining quality control of reagents and standards.
- Generated accurate, traceable, and fully compliant laboratory reports aligned with SNI ISO/IEC 17025:2017 requirements.

EDUCATION

Bachelor of Science in Chemistry

Universitas Negeri Semarang

GPA: 3.78/4.00

August 2021 – August 2025

Academic Projects & Research:

- Synthesis and Characterization of Citrate Cellulose Derived from Rice Husk as an Adsorbent for Hard Water Treatment.
- Isolation of Essential Oil from Sweet Orange Peel (*Citrus sinensis*) Using Steam–Water Distillation and Its Application as Aromatherapy Candles.
- Formulation and Evaluation of Mouthwash Spray Prepared from Lemongrass Extract as a Natural Oral Freshener.

Organizational Experience:

- Honorary Council, Chemistry Adventure Team (Chevent), 2024–2025
- President, Chemistry Adventure Team (Chevent), 2023–2024
- Head of Public Relations Division (Humas), Entropi Kimia, 2024
- Treasurer II, Kamadiksi FMIPA, 2022–2023

SKILLS

- Certifications: In-House Training on 24-Hour Noise Testing (March 2024), EnglishScore Core Skills Test (Score 489 – CEFR B2 Upper Intermediate)
- Languages: Indonesian (Native), Sundanese (Native), English (Upper Intermediate), Arabic (Beginner)
- Soft Skills: Adaptable, disciplined, detail-oriented, analytical thinker, teamwork
- Hard Skills: Microsoft Word, Excel, PowerPoint, Outlook, OneNote
- Laboratory Skills: Water quality analysis, titration, gravimetry, UV-Vis spectrophotometry, AAS, pH meter operation, laboratory safety (K3), autoclave, closed reflux, sampling & sample preparation, data processing & interpretation