

NURAENI SOLIHAT

Phone: 089662386785 | Email: nuraenisolihat143@gmail.com | LinkedIn: /in/nuraenisolihat

SUMMARY

Chemistry graduate with experience in analytical testing, natural product isolation, material synthesis, and instrumental analysis (UV-Vis, FTIR, NMR, ICP-OES). Strong understanding of laboratory practices, data validation, and SNI-based quality standards. Detail-oriented and adaptable, with the ability to support R&D, QC, and QA functions.

EDUCATION

Universitas Negeri Jakarta

September 2021 – January 2026

Faculty of Mathematics and Natural Sciences | Department of Chemistry

Bachelor of Science | GPA: 3.68 / 4.00

- Recipient of the 2025 Student Research Grant (PKM-RE Kemendiktisaintek)
- Holder of two registered Intellectual Property Rights (HAKI)

TRAINING & SERTIFICATION

- ElevAlte Indonesia: Digital Skills for the Future - MariBelajar, 2025
- Good Manufacturing Practices for Cosmetics (CPKB) - TemanLab, 2026
- Good Manufacturing Practices for Household Health Products (CPPKRTB) – TemanLab, 2026

EXPERIENCED

Universitas Negeri Jakarta | Laboratory Assistant

March 2025 – June 2025

- Prepared laboratory setup, reagents, and instruments to ensure smooth and efficient practicum sessions
- Guided students across various chemistry practicums, ensuring proper experimental techniques, accurate data collection, and adherence to laboratory safety protocols
- Assisted operation and basic troubleshooting of UV-Vis spectrophotometer for accurate data acquisition
- Evaluated student reports with focus on data accuracy, analysis, and scientific reasoning

LABKESDA Provinsi DKI Jakarta | Water Quality Analyst

August 2024 – November 2024

- Conducted routine physicochemical analysis of water samples (pH, turbidity, TDS, TSS, COD, metals) in accordance with SNI standards
- Recorded and organized analytical test results systematically for reporting and evaluation
- Performed instruments calibration (pH meter, turbidimeter, and TDS meter)

PROJECTS

Isolation of Secondary Metabolites from Mundu Leaves (*Garcinia dulcis*) and Their Potential as Antioxidant and Inhibitor of EGFR and VEGFR-2 In Silico

- Successfully isolated and identified terpenoid compounds using chromatographic techniques, characterized by UV-Vis, FTIR, and NMR, and demonstrated antioxidant activity through DPPH assay alongside in silico evaluation of EGFR and VEGFR-2 inhibition in cancer signaling pathways.

Utilization of SiO₂ from Rice Husk Ash and Fe₃O₄ in Fe₃O₄/SiO₂/Polycaprolactone Composites as Microwave Absorbers

- Extracted SiO₂ from rice husk ash and synthesized Fe₃O₄/SiO₂/Polycaprolactone composites with microwave absorption performance exceeding 90%, demonstrating potential for advanced functional material applications.

Analysis of Fe Content in Six Brands of Bottled Drinking Water Using the ICP-OES Method

- Analyzed samples from six bottled drinking water brands using ICP-OES to determine Fe content and evaluate compliance with Indonesian National Standards (SNI).

COMPETENCES

- **Laboratory & Technical Skills:** Quantitative and qualitative chemical analysis | Chromatography techniques (TLC, column chromatography, radial chromatography, preparative TLC) | Instrumental analysis (UV-Vis Spectrophotometer, FTIR, NMR, ICP-OES)

- **Research & Professional Skills:** Experimental design and research planning | Data analysis and scientific reporting | Time management and teamwork
- **Software:** Microsoft Office (Word, Excel, Powerpoint) | Autodock Tools (Molecular docking) | ChemDraw, ChemSketch & BIOVIA Discovery Studio (Chemical structure drawing, visualization, and molecular modeling)