

ALMA NURUL AULIA

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A chemistry graduate from Universitas Negeri Semarang in 2025 with hands-on experience in chemical and microbiology laboratory work through internship and academic research. Proficient in operating laboratory instruments such as spectrophotometry UV-Vis, HPLC, AAS, Karl Fischer, Kjeldahl analyzer, autotitrator, pH, EC, TDS meter, LAF, and autoclave, as well as in analyzing test result and maintaining reports. Detail oriented, highly motivated to develop potential, learn new things, and effective in coordinating with team.

Education Level

Universitas Negeri Semarang – Semarang, Indonesia
Bachelor Degree of Chemistry – GPA: 3.81/4.00

(2021 – 2025)

Work Experience

PT Anvita Pharma Indonesia – Karawang, Indonesia

(Nov 2025 – May 2026)

Analytical Development Analyst - intern

- Operated High Performance Liquid Chromatography (HPLC) for assay, impurity, and purity analysis of API's and tablets.
- Conducted material identification using Fourier Transform Infrared Spectroscopy (FTIR)
- Performed dissolution testing for tablet forms
- Conducted analytical method validation (accuracy, precision, linearity)
- Participated in cleaning validation
- Processed data and prepared summary reports in compliance with GMP documentation standard
- Prepared protocol, analytical method and specification documents, as well as Quality Assessment Reports (QAR) and Corrective and Preventive Actions (CAPA).

PT Pupuk Kujang Cikampek – Karawang, Indonesia.

(Feb 2024 – June 2024)

Lab Analyst- intern

- Performed routine analysis for NPK Fertilizer using Karl Fischer for moisture content determination. Performed potassium analysis using AAS. Performed phosphorus analysis using UV-Vis spectrophotometry. Performed nitrogen analysis using Kjeldahl analyzer and performed pH, TDS, and EC meter for quality evaluation of NPK fertilizer.
- Prepared and standardized chemical reagents for laboratory analyses.
- Conducted titrimetric and gravimetric analysis.
- Practiced aseptic technique and operated of laboratory equipment such as Laminar Air Flow (LAF), autoclave, incubator, colony counter, water bath, etc.
- Prepared culture media ensured sterilization and media quality control.
- Conducted Gram staining and spore identification.
- Conducted microbiological analysis using Total Plate Count (TPC) method.
- Maintained detailed and organized documentation of test results and prepared reports.

Project Experience

DIPA MIPA UNNES – Semarang, Indonesia

(May 2023 – November 2023)

"Green Synthesis of Hematite/Cassava Peel Biosorbent for Cu (II) Removal"

- Conducted literature review and developed biosorbent material (Hematite/Cassava Peel) for Cu (II) removal using precipitation synthesis method.
- Observed the characteristic of the biosorbent using FTIR, XRD, PSA, SEM-EDX, and VSM.
- Performed environmental analysis to evaluate the adsorption performance and degradation efficiency of biosorbent material for Cu (II) removal.

Volunteer Experience

DESA BINAAN – Semarang, Indonesia

(October 2023)

"Member of publication and documentation division"

- Designed promotional posters and managed event documentation for social media HIMAMIA UNNES.

Skills

Analytical Instrumen: UV-Vis Spectrophotometry, Atomic Absorption Spectrophotometer (AAS), High Performance Liquid Chromatography (HPLC), Fourier Transform Infrared Spectroscopy (FTIR), Karl Fischer, Particle Size Analyzer (PSA), pH meter, Total Dissolved Solids (TDS) & Electrical Conductivity (EC meter), Autotitrator, Centrifuge, Furnace, Autoclave, Incubator, Laminar air Flow (LAF), Kjeldahl Analyzer, Colony Counter, Digital Microscope, etc.

Software: Microsoft office: Word, Excel, PowerPoint, Chemdraw, Origin, Canva.

Others: laboratory skills, report writing, attention to detail, communication, time management, and teamwork.