



AFIFAH AISYAFITRI

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SUMMARY

Undergraduate student from the Chemistry Departement at Universitas Negeri Jakarta. Experienced in laboratory techniques such as titration, spectroscopy, and chromatography. I am proficient in several software such as Microsoft Office, ChemSketch, Match, and FullProof. Enthusiastic about material science for energy, especially fuel cell applications. Throughout my academic journey, I have developed strong analytical and problem solving skills. I have an interest working in Research and Development, Quality Control, and Quality Assurance.

EDUCATION

Undergraduate Chemistry Student **Aug 2022 - Present**
State University of Jakarta (Universitas Negeri Jakarta)

- Faculty of Mathematics and Natural Science, Chemistry
- GPA 3.58/4.00
- Obtained SNI ISO/IEC 17025:2017 (Manajemen Dasar Laboratorium dan Manajemen Resiko) from Lab Mania Indonesia in June 2025
- Obtained HAS 2300 and HACCP Certification from Lab Mania Indonesia in June 2024
- Conducted chemical laboratory inspections at SMA Negeri 70 Jakarta in Aug-Sep 2024
- Obtained pH meter Certification from INTENS in Feb 2025

EXPERIENCE

Laboratory Assistant of Chemical Physical, UNJ **Mar - June 2026**

- Assisted and mentored 35 participant during physical chemistry laboratory sessions
- Provided technical instruction for 12 experimental module
- Developed pre-laboratory assessment (pre-test) before experiment
- Reviewed and evaluated student laboratory report, assessing data analysis, scientific reasoning, and technical writing quality.

Chemical Analyst Intern, PPSHP Dinas KPKP DKI Jakarta **July - Oct 2025**

- Performed heavy metal determination (Pb, Cd, Hg) in vegetable and fruit samples using Atomic Absorption Spectrophotometry (AAS), including sample preparation, digestion, instrument operation, and data interpretation.
- Conducted pesticide residue screening and identification in vegetable and fruit samples using Gas Chromatography-Mass Spectrometry (GC-MS).
- Carried out aflatoxin and ochratoxin analysis in food samples using High Performance Liquid Chromatography (HPLC), from sample extraction and preparation to chromatographic data processing.
- Executed field-based food safety inspections at local markets, analyzing 50 food samples for chlorine, formaldehyde, and pesticide residues.

Lecturer Assistant of Organic Chemistry, UNJ

Mar - June 2025

- Provided feedback to student for assignment and presentation materials
- Assisted and provided discussion session for students before exam
- Provided material and question for discussion session to 35 students

Academic Tutor, Rumah Prestasi

Aug 2023 - Mar 2024

- Provided material to 5-7 students
- Corrected and provided feedback to student for assignment
- Provided discussion session for students before midterm and final exam
- Checked question and answer regard exam materials
- Supported student for learning by one on one consultation

ORGANIZATION

BEM Prodi Kimia UNJ

Feb 2023 - Feb 2025

Staff of Religion Department

- Organized religious event and program to strengthen spiritual chemistry students
- Provided 5 religious work programs during one periods
- Dedicated to sharing benefit and helping chemistry student during difficult time
- Supported event organized by others department

BASED PROJECT

Pemanfaatan Limbah Kulit Buah Naga sebagai Antioksidan dalam Pembuatan Lipbalm di Kabupaten Majalengka

- Conducted formulation development and trial-error optimization of lip balm products in the laboratory
- Evaluated formulation performance and adjusted ingredient composition
- Produced an educational video tutorial on lip balm production

Implementasi K3 dan Pengelolaan Bahan Kimia di Laboratorium Kimia SMAN 70 Jakarta

- Provided materials K3 lab standart to 15 teachers
- Designed and provided a book "Pengelolaan Bahan Kimia" to participants
- Shared based practices chemistry laboratory at UNJ recorded to the K3 standart

Implementation of UI GreenMetric at Faculty Mathematics and Natural Science

- Collected data research and education in the Faculty of Mathematics and Natural Science.
- Designed a banner for information about the project
- Provided an exhibition related to project during 3 hours

ADDITIONAL INFORMATION

- **Technical Skills:** Titration, Spectroscopy, Chromatography, Sample Preparation, Qualitative and Quantitative analysis, OriginPro, ChemSketch, Microsoft Office
- **Languages:** Indonesian, English
- **Certifications:** SNI ISO/IEC 17025:2017, HAS 2300 and HACCP, AAS, UV-Vis, pH-meter