

Fennie Arniaty

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Fresh Chemistry graduate from Universitas Indonesia with hands-on experience in laboratory preparation, analytical testing, instrumental analysis, experimental data analysis, and laboratory documentation. Familiar with HPLC, FTIR, UV-Vis, laboratory procedures, and safety practices through academic laboratory and research experience. Detail-oriented and analytical, with an interest in laboratory-based roles involving testing, analysis, research, and quality-related activities.

EDUCATION

BSc in Chemistry, Universitas Indonesia

Jul 2022 - Jul 2026

GPA: **3.50/4.00 (144 Credits)**

Undergraduate Thesis: In-Situ Polymerization of Polyaniline Electrode on Self-Healing PAA-Al³⁺ Hydrogel for All-in-One Supercapacitors

- Conducted laboratory experiments to evaluate the effects of material composition and processing parameters on material performance.
- Performed material characterization using FTIR, cyclic voltammetry (CV), galvanostatic charge-discharge (GCD), and electrochemical impedance spectroscopy (EIS).
- Processed and analyzed experimental data to evaluate results and support accurate interpretation of material performance.
- Maintained accurate documentation of experimental procedures, observations, results, and research findings.

RESEARCH ACHIEVEMENTS

- [Research Author and Presenter](#), 6th Life and Environmental Sciences Academics Forum (LEAF) 2026.
- [Research Author](#), Mini Symposium on Integrated Natural and Applied Sciences (MINDS) 2026.

RESEARCH & LABORATORY EXPERIENCE

Inorganic Chemistry Laboratory Assistant

Department of Chemistry FMIPA UI

Feb 2025 - May 2025

- Prepared laboratory materials and equipment for practical sessions involving 28 students.
- Monitored laboratory activities and reviewed experimental documentation to support the accuracy and completeness of recorded results.
- Assisted in ensuring laboratory procedures were conducted according to established instructions.
- Maintained laboratory safety and supported orderly laboratory operations throughout practical activities.

Instrument Chemistry Laboratory Assistant

Department of Chemistry FMIPA UI

Sep 2025 - Dec 2025

- Prepared laboratory materials, reagents, and equipment for HPLC practical sessions involving 30 students.
- Assisted and monitored HPLC laboratory activities to ensure procedures were conducted according to established laboratory guidelines.
- Supported accurate completion and documentation of laboratory activities and experimental results.
- Maintained laboratory readiness and supported safe laboratory operations by following established safety procedures.

Intern Staff of Research Ecosystem and Impact-Driven Science Downstreaming

Faculty of Mathematics and Natural Sciences Universitas Indonesia

Jul 2026 - Jul 2026

- Supported administrative and operational activities by organizing documents and maintaining structured records.
- Organized and analyzed institutional data using Microsoft Excel (Pivot Tables, VLOOKUP, and charts) to support administrative reporting.
- Assist in the execution of MIPA Talk UI, a recurring academic seminar and guest lecture series, by coordinating administrative tasks, event documentation, and operational logistics.

PROFESSIONAL DEVELOPMENT

ISO Awareness Training

- [ISO 9001: 2015](#) Quality Management Systems.
- [ISO 14001:2015](#) Environmental Management Systems.
- [ISO 45001:2018](#) Occupational Health and Safety Management Systems.

Coursera – Cosmetic Formulation Science

[Credential ID: 207I55R4T5LM](#) | Issued: 2025

- Learned about cosmetic raw material selection, surfactant systems, and preservative functions.
- Studied HLB-based emulsifier selection and formulation calculations.
- Learned laboratory safety, record-keeping practices, and reading Certificates of Analysis (CoA).

Coursera – Product Development Cosmetics

[Credential ID: 6SHTKDR06VPW](#) | 2025

- Learned basic product testing, stability testing, quality control, GMP, and regulatory considerations in cosmetics.

SKILLS & ADDITIONAL INFORMATION

Laboratory	: Analytical Testing, Laboratory Testing, Material Analysis, Experimental Data Analysis, Sample & Laboratory Preparation, Laboratory Documentation, Laboratory Procedures, Laboratory Safety.
Techniques	: HPLC, FTIR, UV-Vis, Cyclic Voltammetry (CV), Galvanostatic Charge-Discharge (GCD), Electrochemical Impedance Spectroscopy (EIS)
Software	: Microsoft Excel (Pivot Tables, VLOOKUP, Charts), Microsoft Word, Microsoft Power Point, Google Workspace, Canva, Origin Pro.
Other	: Attention to Detail, Analytical Thinking, Problem Solving, Communication, Teamwork.
Language	: Indonesian (native), English (Professional Working Proficiency).
Field of Interest	: Laboratory Testing, Analytical Chemistry, Quality Control, Research & Development, Quality Assurance Support.

LEADERSHIP EXPERIENCE

Financial Controller

[ISO Training UI 2024](#) | Training Program

Jul 2024 - Nov 2024

- Managed a budget of IDR 20 million by monitoring expenditures, reviewing financial records, and maintaining budget accuracy throughout the event.
- Contributed to achieving a 50% profit margin through effective budget planning and expense monitoring.

Financial Treasurer

[MIPA Green Village 9](#) | Community Service Program

Jul 2023 - Jan 2024

- Secured IDR 60 million in funding by establishing partnerships with external sponsors.
- Coordinated fundraising activities and maintained communication with sponsors and internal committees.