

# NABILLA JASMINE EFRIEZA

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## PROFILE

Chemistry freshgraduate from Brawijaya University with practical experience in chemical analysis, laboratory research, and quality control. Experienced in operating UV-Vis, ATR-IR, AAS, and GC instruments and analyzing scientific data using Microsoft Excel. Developed laboratory skills through internships and undergraduate research, with career interests in Analytical Development Analyst.

## EDUCATION

**University of Brawijaya - Malang, Indonesia**

Aug 2021 - Jul 2025

*Bachelor of Science, 3,63/4,00*

- Conducted several chemistry projects, including bioethanol development, coconut shell charcoal adsorbent activation, and formulation and quality testing of aloe vera extract soap.
- Bachelor's thesis: Selectivity and Validity Test of Microfluidic Paper-Based Analytical Devices ( $\mu$ PADs) Method Application for the Determination of Fe(II) Ions in the Urine of Patients with Iron Deficiency Anemia (ADB) Using Red Rose Extract (*Rosa damascena* Mill.)

## WORK EXPERIENCE

**Laboratory Analyst (Internship)**

Nov 2025 – May 2026

*Balai K3 Surabaya*

- Analyzed 100+ ambient air, emission, and workplace environment samples for  $\text{NH}_3$ ,  $\text{H}_2\text{S}$ ,  $\text{SO}_2$ , NO, Ox, Pb, TSP, PM2.5, PM10, and other parameters using instrumental and gravimetric methods.
- Performed verification and quality control of laboratory equipment, including micropipettes, analytical balances, and UV-Vis spectrophotometers.
- Developed and improved 5+ laboratory Occupational Health and Safety (OHS) documents, including SOPs, Emergency Response Plans (ERP), and Risk Management procedures.
- Conducted 100+ occupational health examinations, including Romberg tests, body temperature,  $\text{SpO}_2$ , and pulse rate measurements.

**Laboratory Analyst (Internship)**

Sep 2024 – Oct 2024

*Balai Standardisasi dan Pelayanan Jasa Industri Surabaya*

- Analyzed 100+ water and wastewater samples across 10+ parameters (BOD, TDS, TSS, MBAS, oil & grease, Hg, B,  $\text{NH}_3$ , etc.).
- Analyzed 20+ industrial products across 10+ parameters (N,  $\text{P}_2\text{O}_5$ , K, Ca, Mg,  $\text{Al}_2\text{O}_3$ , FFA, etc.).
- Operated UV-Vis Spectrophotometer, Atomic Absorption Spectrophotometer (AAS) Flame, Graphite Furnace AAS, and Mercury Vaporizer Unit (MVU) for metal and chemical parameter analysis.
- Proficient in 10+ laboratory techniques including titrimetry, gravimetry, wet digestion, and Soxhlet extraction, among others.

## ORGANIZATIONAL EXPERIENCE

**Mahasiswa Membangun Desa (MMD-UB) – Banjarsari Village, Malang**

Jul 2023 – Aug 2023

*Event Division Staff*

- Supported Posyandu (Integrated Health Post) activities in Banjarsari Village by weighing toddlers, recording maternal and child health data, and managing service administration.
- Designed and implemented a digital literacy program at the target village school to improve the use of technology as a learning resource.

## OTHER SKILLS AND EXPERIENCE

- Soft Skills:** Laboratory problem-solving, test result documentation, team collaboration and communication, data analysis.
- Hard Skills:** Microsoft Office (Word, Excel, Power Point), UV-Vis Spectrophotometer, AAS, dan GC.
- Certification (2026):** General Occupational Health and Safety Expert – Ministry of Manpower of the Republic of Indonesia
- Languages:** Indonesian (fluent), English (intermediate)