

FRIZKY PUTRI PRABOWO

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SUMMARY

Chemistry undergraduate from Brawijaya University (GPA: 3.64/4.00) specializing in Physical Chemistry and Quality Management. Possesses practical experience at PT. Astra Agro Lestari, Tbk in quality and process control in palm oil processing, waste management and occupational health and safety (K3). Passionate about acquiring new knowledge and skills to apply in-depth skills and knowledge in innovations through instrumentation-based chemical analysis, chemical structure identification, chemical synthesis, and other chemistry operations. Detail-oriented professional committed to operational standard compliance and scientific data processing.

RELATED EXPERIENCES

Refinery and Product Development Internship

PT. Astra Agro Lestari, Tbk. Head Office

Jul 2025 - Oct 2025

- Completed industrial internship with gaining hands-on exposure to quality and process control in palm oil processing, product standardization, waste management, and occupational health and safety (K3) compliance.

Practicum Assistant of Basic Chemistry Laboratory

Chemistry Department, Universitas Brawijaya

Feb 2025 - Jun 2025

- Served as Teaching Assistant for Basic Chemistry Laboratory, guiding students through titration, redox, pH determination, distillation, and colorimetric analysis while enforcing lab safety (K3) standards.

Practicum Assistant of Biochemistry Laboratory

Chemistry Department, Universitas Brawijaya

Feb 2025 - Jun 2025

- Served as Teaching Assistant for Biochemistry Laboratory, guiding students through identification of carbohydrate, amino acid and protein, lipids, enzyme, and vitamins.

EDUCATION

Bachelor of Science (S.Si.) in Chemistry

Brawijaya University | *IPK 3.64/4.00*

August 2022 – July 2026

- Thesis Research:** In-Vitro Study of Cellular Uptake Kinetics and Cytotoxicity Profile of Curcumin-Okra Nanoemulsion PIT-Based on Endothelial Cells of Umbilical Cord Diabetic-Model.
- Relevant Coursework:** Instrumental Analytical Chemistry, Laboratory Management, Analytical Method Validation, Food Chemistry, and Biophysical Chemistry.

CERTIFICATIONS & TRAINING

- Quality Assurance (QA) and Quality Control (QC) in Food Industry by *Makin Ahli*.
- ISO 17025:2017 Testing and Calibration Laboratories by *Sinergi Ruang Zaman Consulting*
- Good Laboratory Practice (GLP) by *Makin Ahli*
- SNI ISO 45001:2018 Occupational Health and Safety Management Systems by *Badan Standardisasi Nasional*
- ISO 9001:2015 Quality Management System by *Makin Ahli*.
- Good Manufacturing Practices (GMP) by *Makin Ahli*.
- Hazard Analysis and Critical Control Point (HACCP) by *Makin Ahli*.
- ISO 22000:2018 Food Safety Management System by *Makin Ahli*.
- FSSC 22000 V7.0 Food Safety System Certification by *Makin Ahli*.
- Microsoft Office Desktop Application (MOS) by *Trust Training Partners* 2026.
- English Class Program by *Chemistry Department of FSTeM UB*.

TECHNICAL SKILLS

- **Lab Instrumentation:** UV-Vis Spectrophotometer, Particle Size Analyzer (PSA), Digital Imaging Microscope, Microplate Reader, Biosafety Cabinet (BSC), and Confocal Laser Scanning Microscope (CLSM).
- **Software:** Microsoft Excel (Advanced Data Processing) and ImageJ (Scientific Image Analysis)
- **Languages:** Indonesian (Native), English (University coursework delivered in English – BEPT: 563).

ORGANIZATIONAL EXPERIENCE

Head Division of Media and Information

Himpunan Mahasiswa Kimia (HMK) Universitas Brawijaya

Feb 2024 - Dec 2024

- Coordinated divisions within the creative and content creation fields.
- Provided computer literacy training to new students.
- Conducted webinars on creative arts, including design and video editing.
- Equipped staff with skills in copywriting, graphic design, video editing, and administrative tasks.
- Edited and customized the appearance of the HMK website.