

CAMELIA DEWI PRATIWI

+6289687994647 | cameliadewip@gmail.com | Bantul, DIY

Chemistry graduate from Universitas Negeri Yogyakarta with experience in Quality Control, laboratory analysis, and research. Experienced in chemical testing, sample preparation, laboratory instrumental analysis, and formulation development. Familiar with conducting experiments, evaluating test results, following SOPs, and preparing technical reports.

EDUCATION

Universitas Negeri Yogyakarta | Bachelor of Science in Chemistry | 2022 – 2026 | GPA: 3.67/4.00

SMK SMTI Yogyakarta | Analytical Chemistry | 2018 – 2022

PROFESSIONAL EXPERIENCE

Balai Penyelidikan dan Pengembangan Teknologi Kebencanaan Geologi (BPPTKG) – Yogyakarta **August 2025 – September 2025**

Laboratory Analyst Intern

- Conducted a comparative study of Fuse Bead and Pressed Pellet preparation methods for major element analysis of igneous rocks using X-Ray Fluorescence (XRF).
- Performed validation tests, including linearity, accuracy, and precision.
- Conducted measurement uncertainty estimation for both sample preparation methods.
- Assisted in laboratory analysis and data processing.

PT. Indmira – Yogyakarta

June 2021 – April 2022

Praktik Kerja Industri – Quality Control (QC)

- Conducted quality control testing of raw materials, semi-finished products, and finished products.
- Performed periodic quality testing to ensure product compliance with established specifications.
- Conducted microbiological analysis, including Total Plate Count (TPC).
- Inspected packaging materials and products to ensure quality standards were met.

RESEARCH EXPERIENCE

Universitas Negeri Yogyakarta | Undergraduate Thesis Research | 2026

- Prepared Cu/Cu-oxide-modified graphite electrodes through electrodeposition and thermal treatment.
- Conducted research on the electro degradation of Direct Black 38 textile dye using a modified graphite electrode.

BeetrassSoap – Program Kreativitas Mahasiswa (PKM) Kewirausahaan | Product Development Team | 2025

- Developed a liquid soap formulation based on beetroot extract and citronella essential oil through extraction and formulation processes.
- Conducted product evaluation, production, packaging, and market testing, and utilized consumer feedback to support product improvement and development.

Liga Riset Mahasiswa FMIPA UNY 2024 | Research & Product Development Team | 2024

- Developed an effervescent granule formulation based on spinach leaf extract nanocapsules using an experimental approach.
- Performed raw material extraction, nanocapsule synthesis, formulation, and optimization of multiple formulation variations.
- Evaluated product characteristics through pH, dissolution time, flow rate, angle of repose, organoleptic, and in vitro testing.

TECHNICAL SKILLS

Laboratory: Product Formulation, Quality Control, Sample Preparation, Laboratory Documentation, Microbiology (TPC), Good Laboratory Practice (GLP)

Instrument: XRF, XRD, Spektrofotometer UV-Vis, Voltammetry

Software: Microsoft Excel, Microsoft Word, Microsoft PowerPoint

EVENT EXPERIENCE

MIPA Road to Scientific Paper#11 2024 – Publication Staff

- Established partnerships with various media partners to support event promotion and publication.
- Managed social media accounts and developed and uploaded informative event content.

National Chemistry Fair 2023 – Administration Staff

- Managed participant administration and attendance records.
- Ensured the completeness and accuracy of event documentation.