

CLEOFANY AURHELIA PARADHISE

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EXECUTIVE SUMMARY

Chemistry graduate with hands-on experience in analytical testing, laboratory quality control, and research development. Experienced in material synthesis, instrumental characterization, sample preparation, and analytical methods including UV-Vis spectroscopy, FTIR, XRD, FESEM, and electrochemical analysis. Familiar with laboratory documentation, GLP, GMP, ISO/IEC 17025:2017, and safety procedures.

EDUCATION

Bachelor Of Chemistry, Universitas Negeri Padang 2026

- **GPA:** 3.52 / 4.00 (Cum Laude)
- **Final Project/Thesis:** Detection Of Cu^{2+} Metal Ions Using Indium Tin Oxide (ITO) Glass Modified With Nickel(II) Oxide (NiO) By Cyclic Voltammetry.
- **Relevant Coursework:** Analytical Chemistry, Instrument Analysis, Electrochemistry, Nanomaterial, Organic Chemistry, Inorganic Chemistry, Physical Chemistry and Biochemistry.

EXPERIENCES

Laboratory Assistant – Padang, Indonesia

Inorganic Laboratory, Analytical Chemistry, Basic Chemistry and Cosmetic Technology

Sep – Nov 2024 ; Jul 2025 – Jul 2026

- Assisted analytical chemistry laboratory activities, including sample preparation, reagent preparation, and quantitative analysis procedures.
- Performed and guided analytical techniques including acid-base titration, solvent extraction, distillation, Soxhlet extraction, and chromatographic separation methods.
- Assisted students in conducting experiments by providing technical guidance on laboratory procedures, analytical calculations, and data interpretation.
- Supervised 100+ students in laboratory operations, chemical handling, and compliance with laboratory safety procedures.
- Maintained laboratory readiness through equipment preparation, chemical inventory checking, and adherence to SOP and HSE practices.

Perumda Air Minum Kota Padang – Padang, Indonesia

Jan 2025 – Feb 2025

Laboratory Analyst Intern – UPT LABORATORY

- Conducted physicochemical analysis of 50+ raw water samples/week using UV-Vis spectrophotometer, turbidity meter, and titration methods.
- Performed physicochemical analysis including pH, turbidity, Total Dissolved Solid (TDS), and chemical parameters.
- Prepared samples, reagents, and laboratory equipment for analytical testing.
- Evaluated analytical results by comparing test data with applicable water quality standards (Permenkes No. 2 Tahun 2023 and PP No. 22 Tahun 2021).
- Recorded test results and maintained laboratory documentation according to GLP principles.

Badan Riset dan Inovasi Nasional – Indonesia

Feb 2025 – Aug 2025

Internship – Undergraduate Thesis Researcher

- Conducted synthesis and modification of NiO-based nanomaterials for electrochemical sensor applications.

- Prepared chemical solutions, controlled pH, and optimized synthesis parameters during sol-gel processes.
- Performed material preparation including washing, filtration, centrifugation, drying, and thermal treatment.
- Operated laboratory instruments including High Energy Milling Shaker Mill and Potentiostat (PalmSense4) for material processing and electrochemical analysis.
- Conducted electrochemical characterization using cyclic voltammetry (CV) for Cu²⁺ ion detection.
- Processed experimental data using Origin and PSTrace software for analysis and visualization.
- Maintained experimental records, laboratory documentation, and safety procedure

ORGANIZATION EXPERIENCES

Student Resources, BEM University

Mei 2024 - April 2025

- Designed and executed recruitment processes to admit qualified new members into the organization.
- Developed self-development and training programs for 500+ Universitas Negeri Padang student including organizing relevant skills training and leadership strategy training.

Secretariat, Chemistry Student Association (HIMA)

Jun 2023 – Des 2023

- Manage correspondence and send announcements via email and prepare correspondence on average 20 letters/week.
- Assist in organizing organizational events and activities and support each organizational event.

LANGUAGE, SKILLS & PROJECT

Language: Bahasa Indonesia (Native), English (Intermediate).

Technical Skills: Laboratory Techniques, Sample Preparation, Chemical Reagent Preparation, Analytical Testing, UV-Vis Spectrophotometry, Titration, Physicochemical Analysis, Water Quality Analysis, FTIR, XRD, FESEM, Electrochemical analysis, GLP, GMP, ISO/IEC 17025:2017, HSE, SOP Compliance, Laboratory Documentation.

Software: Microsoft Office (Word, Excel, PowerPoint), Origin, ImageJ, Echem, HighScore, PSTrace.

Mini Project: In Silico Study of Bioactive Compounds from Koro Benguk (*Mucuna pruriens* (L.) DC.) as Potential Modulators of CYP7A1 for Hypercholesterolemia Therapy (Published in a SINTA 4 – Jurnal PIJAR MIPA)