

DOSI NOVITA SARI

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0683662b1/ Padang, Sumatera Barat

Chemistry graduate from Universitas Negeri Padang (**GPA 3.46/4.00**) with research experience at **BRIN – Research Center for Chemistry** and as a **Laboratory Assistant**. Skilled in **sample and solution preparation, chemical analysis, material synthesis, UV–Vis spectrophotometry, experimental data analysis, and laboratory documentation**. Experienced in applying Good Laboratory Practice (GLP), Standard Operating Procedures (SOPs), and laboratory safety practices. Published research in an international Q3 journal and a national SINTA 3 journal. Highly motivated to pursue a career in Quality Control (QC), Quality Assurance (QA), Research & Development (R&D), and Analytical Laboratory roles.

EXPERIENCE

BRIN-Research Center for Chemistry - South Tangerang, Indonesia

Feb 2025 - Jul 2025

Researcher Intern

- **Led research activities** on the synthesis of **biochar–TiO₂ composite materials** for photocatalytic wastewater remediation, targeting pharmaceutical pollutants and textile dyes.
- Conducted photocatalytic material synthesis using **sol-gel and impregnation methods**, including optimization of sample preparation to evaluate material properties and photocatalytic performance.
- Performed **sample, reagent, and chemical solution preparation** in accordance with research procedures, **SOPs, Good Laboratory Practice (GLP), and laboratory safety standards**.
- Evaluated photocatalytic performance using **UV–Vis spectrophotometry** and performed experimental data processing and analysis.
- Processed and interpreted material characterization data from **FTIR, XRD, UV–DRS, PSA, and Zeta Potential** analyses using **Origin and HighScore**.
- Operated and performed routine maintenance of laboratory equipment, including **UV–Vis spectrophotometer, furnace, centrifuge, and pH meter**, in accordance with SOPs to support reliable experimental results.
- Performed **pH calibration and measurements** using benchtop, pen-type, and universal pH meters to maintain consistent experimental conditions.
- Systematically **processed, documented, and organized experimental data and research reports** to ensure data traceability and accuracy.
- Consistently applied **laboratory safety procedures, chemical handling practices, and SOPs** throughout research activities.

Department of Chemistry, Universitas Negeri Padang – Sumatera Barat, Indonesia

Laboratory Assistant

Jan-June 2026

- Prepared **laboratory equipment, chemicals, reagents, samples, and solutions** prior to practical laboratory sessions.
- Guided students in **solution preparation, experimental procedures, data recording, calculations, and interpretation of experimental results**.
- Provided laboratory guidance on analytical techniques, including **iodometric titration, UV–Vis spectrophotometry, Lowry method, reducing sugar analysis, thin-layer chromatography (TLC), redox analysis, and electrochemical analysis**.
- Supervised laboratory activities to ensure compliance with **SOPs, Good Laboratory Practice (GLP), and laboratory safety procedures**.
- Reviewed laboratory reports and assisted in evaluating **experimental results, calculations, and data accuracy**.
- Maintained **laboratory equipment readiness, cleanliness, organization, and documentation** to support safe and efficient laboratory operations.

EDUCATION

Universitas Negeri Padang - Padang, Sumatera Barat, Indonesia

Jul 2022 - Aug 2026

Bachelor of Chemistry, | GPA: **3.46/4.00**

Final Project: “*Synthesis of TiO₂ Nanoparticles Using Durian Peel Extract for Indigo Carmine Dye Photocatalytic Degradation*”

Relevant Coursework: Analytical Chemistry • Instrumental Analysis • Organic Chemistry • Inorganic Chemistry • Physical Chemistry • Materials Chemistry

ORGANIZATION & EVENT EXPERIENCE

The 5th International Conference on Chemistry and Science Education (ICChSE) 2026 Committee Member | Department of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Negeri Padang | **August 2026**

- Supported the **preparation and execution of an international conference** in the fields of chemistry and science education.
- Coordinated with fellow committee members to support **event operations and smooth program implementation**.

TECHNICAL SKILL

Laboratory & Analytical:

Analytical Chemistry • Sample & Solution Preparation • Chemical Analysis • Laboratory Testing • UV–Vis Spectrophotometry • Iodometric Titration • Lowry Protein Analysis • Thin-Layer Chromatography (TLC) • Redox & Electrochemical Analysis • Material Synthesis

Data Analysis & Documentation:

Experimental Data Analysis • Data Interpretation • Laboratory Documentation • Technical Report Writing • Scientific Report Writing • SOP & GLP Compliance

Software:

Microsoft Excel • Microsoft Word • Microsoft PowerPoint • Origin • HighScore • ChemDraw • Mendeley

CERTIFICATIONS

Good Laboratory Practice (GLP) Training — Makin Ahli

Training covering **Good Laboratory Practice (GLP)**, **laboratory safety**, **quality documentation**, and **standard laboratory procedures**.

Chemical Oxygen Demand (COD) Analysis Training — LabMania Indonesia | **July 2026**

Duration: 3 Learning Hours | **Achievement:** Excellent

PUBLICATIONS

Synthesis of TiO₂ Nanoparticles Using Durian Peel Extract for Indigo Carmine Dye Photocatalytic Degradation — The Journal of Chemical Technology and Metallurgy | Q3 | 2026

DOI: 10.59957/jctm.v61.i4.2026.8

Sintesis TiO₂ Berbasis Ekstrak Etanol Kulit Buah Durian sebagai Fotokatalis Zat Warna Indigo Carmine — Dalton | SINTA 3 | 2026

DOI: 10.31602/dl.v9i1.22902