

Vany Diyas Utami

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Fresh graduate Chemistry from IPB University with hands-on experience in laboratory analysis, natural product research, and experimental research. Experienced in conducting research related to the screening of natural compounds and evaluating their potential biological activities through laboratory-based and computational approaches. Familiar with Good Laboratory Practice (GLP) and laboratory safety procedures, with an interest in Research and Development and Quality Control.

Education

IPB University – Bogor, Indonesia

August 2022 – July 2026

Fresh graduate Chemistry Student

- GPA: 3.24/4.00
- Additional coursework: Natural Product Research, Computational Drug Discovery, Scientific Poster

SMA Negeri 1 Cilaku Cianjur – Cianjur, Indonesia

July 2019 – June 2022

Major in Natural Science

Professional Experience

Undergraduate Researcher– Bogor, Indonesia

August 2025 – May 2026

- Conducted research on the antidepressant potential of Fabaceae leaf extracts using in silico and in vivo approaches.
- Performed molecular docking studies using AutoDock Vina and Discovery Studio to evaluate ligand–protein interactions.
- Administered behavioral assays using mice to assess antidepressant activity through behavioral tests, including the Tail Suspension Test (TST), Forced Swimming Test (FST), and Sucrose Preference Test (SPT).

Chemical Analyst Internship Cianjur Laboratory Health and Calibration – Cianjur, Indonesia

September – November 2025

- Conducted chemical testing of food, drinking water, and clean water samples using standardized analytical methods to evaluate quality and regulatory compliance.
- Performed sample preparation, calibration, and heavy metal analysis using UV–Visible spectrophotometry, ensuring precision and accuracy throughout the testing process.
- Prepared laboratory documentation, analyzed test results, and assisted in quality control activities while adhering to Good Laboratory Practice (GLP) and laboratory safety standards.

Laboratory Internship Tropical Biopharmaca Research Center (Trop-BRC) – Bogor, Indonesia

June – July 2025

- Conducted research on natural products by performing extraction, antioxidant activity assays, and toxicity testing using standardized laboratory methods.
- Processed experimental data, analyzed research findings, and prepared scientific documentation to support ongoing research projects.
- Assisted researchers in conducting laboratory experiments, sample preparation, and maintaining laboratory quality standards in multidisciplinary natural product research.

Science and Technology Laboratory Assistant – Bogor, Indonesia

January – July 2025

- Guided the 1st year students in understanding Fundamental Chemistry concept through applicative method.
- Guided students in applying fundamental laboratory techniques in accordance with Good Laboratory Practice (GLP) and Job Safety Analysis (JSA).
- Check student's practicum reports to ensure their understanding of Fundamental Chemistry Concepts.

- Natural Products Chemistry Laboratory Assistant** – Bogor, Indonesia October – December 2025
- Guided the 1st year students in natural products, plant extraction, sample preparation, phytochemical principles, and the application of Gas Chromatography Mass Spectrometry (GC-MS) for compound identification.
 - Guide students in applying fundamental laboratory techniques in accordance with Good Laboratory Practice (GLP) and Job Safety Analysis (JSA).
 - Check student's practicum reports to ensure their understanding of Fundamental Chemistry Concepts.

- Analytical Chemistry Laboratory Assistant** – Bogor, Indonesia October – December 2025
- Guided the 2nd year students in understanding Analytical Chemistry concept through applicative method.
 - Guided students in applying fundamental laboratory techniques in accordance with Good Laboratory Practice (GLP) and Job Safety Analysis (JSA).
 - Check student's practicum reports to ensure their understanding of Fundamental Chemistry Concepts.

Organization and Volunteering

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- Medical Staff Volunteer IPB Run 2026** April 2026
- Medical Staff Volunteer IPB Run 2026
 - Provided first aid and basic medical assistance to participants during the event.
 - Collaborated with the medical team to ensure participants' safety and well-being.

- Ikatan Mahasiswa Kimia** – Bogor, Indonesia December 2024 – August 2025
- Secretary Division Chemist Resource and Development
 - Coordinated academic and professional development programs for chemistry students.
 - Collaborated with executive board members in organizing seminars, workshops, and student development activities.
 - Streamlined administration, meeting documentation, and organizational correspondence.

- 1st Place Hyperchem 2024 Poster Design Competition** – Bogor, Indonesia Agustus 2024
- 1st place in poster design competition by creating an informative and visually engaging scientific poster promoting laboratory regulations.

- Secretary General Hyperchem 2024** – Bogor, Indonesia Maret – August 2024
- Managed administrative activities, meeting documentation, and correspondence for a department-wide sport event.
 - Coordinated communication and information flow among committee members.
 - Collaborated with the organizing team to ensure smooth and effective event operations.

Competency and Interest

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- Competency: teamwork, problem solving, communication, Analytical Chemistry, Good Laboratory Practice (GLP), Job Safety Analysis (JSA), quality management, and product development.
 - Software skill: Microsoft Word, Microsoft Excel, IBM SPSS, AutoDock Tools, Discovery Studio
 - Language: Indonesian
 - Interest: research and development, quality control, quality assurance, natural products research, pharmaceutical & biomedical research, and water treatment.