

Zazza Dillah Hariyanto

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SUMMARY

I am a fresh graduate from the Institut Teknologi Sumatera (ITERA), Faculty of Science (FS), Chemistry Study Program, with a Cumulative Grade Point Average (GPA) of 3.20. I have a strong understanding and continuously expand my knowledge. I am a fast learner with an interest in the field of Chemistry, such as Laboratory Analysis, Quality Control & Quality Assurance, and Research and Development (R&D). I am also able to work well both individually and in a team.

EDUCATION

SUMATRA INSTITUTE OF TECHNOLOGY (ITERA)

Sep 2020 – Sep 2024

Bachelor of Science, Major in Chemistry (GPA: 3.20/4.0)

Thesis Title: "Colorimetric Detection of Cd²⁺ Ions in Water Using Gold Nanoparticles Synthesized from Acacia (*Acacia mangium*) Leaf Extract.

Relevant Coursework: Laboratory Analysis, Quality Control & Quality Assurance, Research and Development

WORK EXPERIENCES

PT Grab Teknologi Indonesia

Jakarta

Administration Support Coordination (Merchants Operations)

Jun 2024 – Present

- Managed merchant onboarding processes, including document collection, verification, and data entry into internal systems.
- Maintained and updated merchant information such as menus, pricing, business hours, and promotional campaigns.
- Coordinated with internal departments (Sales, Marketing, and Operations) to support smooth merchant acquisition and activation.
- Monitored merchant documentation validity, reducing expired documents by 30% through proactive tracking and follow-up.
- Generated weekly performance reports on merchant status, campaign results, and acquisition activities.
- Provided first-level support to merchants by addressing data and platform issues and escalating technical problems to relevant teams.

Balai Veteriner Lampung

Lampung

Internship in the Bacteriology Lab (Veterinary Paramedic Assistant)

Jun - Jul 2023

- Conducted biological sample collection (blood, feces, organ swabs, etc.) from sick livestock or for disease surveillance purposes, both in the field and at the Center, adhering to established veterinary procedures.
- Performed preparation of biological samples from livestock for bacteriological testing in the laboratory.
- Assisted in the isolation and identification of pathogenic bacteria causing livestock diseases under the supervision of a veterinarian/analyst.
- Prepared culture media and chemical reagents required for the examination and testing of specimens in the laboratory.
- Executed sterilization of laboratory equipment (glassware, instruments, etc.) in accordance with Standard Operating Procedures (SOPs) to ensure aseptic conditions.
- Recorded and documented observation results and laboratory examination data accurately and systematically.
- Coordinated with the paramedic team and veterinarians regarding sample handling and reporting of test results.

Chemistry Study Program, Institut Teknologi Sumatera

Lampung

Teaching Assistant & Chemistry Study Program Administration

Dec 2024 – Feb 2025

- Academic Document Management: Responsible for managing and maintaining faculty data archives, such as teaching performance records, research outputs (publications), and community service reports.
- Assessment Coordination: Supported the grading process by collecting, summarizing, and inputting student assignments, quizzes, and examination scores into the Program's academic information system (SIA).
- Report Compilation: Assisted in the preparation of faculty and Program activity reports, including attendance data, performance achievements, and end-of-semester evaluation summaries.
- Provided administrative assistance to students related to faculty matters, such as handling guidance forms, recommendation letters, and confirming consultation schedules.

Biochemistry Laboratory, Institut Teknologi Sumatera

Laboratory Assistant for Fundamentals of Biochemistry

Lampung
Sep - Dec 2023

- Fully responsible for mentoring and supervising 30+ students per session for the basic biological chemistry practicum.
- Instructed students in microscopy techniques and supervised the practice of aseptic procedures for preparing and sterilizing bacterial growth media.
- Analyzed bacterial growth on liquid and solid media, and trained and supervised the execution of Gram staining for the morphological identification and classification of bacteria.
- Managed practicum sessions on molecular structure visualization, specifically proteins, using the VMD (Visual Molecular Dynamics) application for 3D protein structure analysis.
- Ensured the readiness and availability of all necessary equipment and chemical reagents before the start of each practicum session.

Inorganic Chemistry Laboratory, Institut Teknologi Sumatera

Laboratory Assistant for Main Group Elements Chemistry

Lampung
Sep - Dec 2023

- Supervised and mentored over 30+ students per session in various practical experiments related to inorganic and materials chemistry
- Taught complex synthesis techniques, including the preparation of Gamma Alumina via the Sol-Gel method and the synthesis of Silica from rice husk ash, also utilizing the Sol-Gel approach.
- Trained students in advanced material characterization, focusing specifically on interpreting data from XRD (X-Ray Diffraction), TGA (Thermogravimetric Analysis), and FTIR (Fourier-Transform Infrared Spectroscopy).
- Maintained strict laboratory safety protocols and managed the inventory of chemical reagents and equipment for all scheduled practicum sessions.

Analytical Chemistry Laboratory, Institut Teknologi Sumatera

Laboratory Assistant for Chemical Analysis Methods

Lampung
Feb - May 2023

- Supervised and mentored students (25+ per session) on the principles and procedures of instrumental chemical analysis.
- Instructed and oversaw the execution of conductometric titration, the operation of the conductometer, and the graphical determination of the titration endpoint.
- Trained students in qualitative separation techniques (TLC), including spotting, elution, calculation, and interpretation of R_f values.
- Guided the interpretation of titration curves and chromatograms for both qualitative and quantitative analysis.
- Managed lab preparedness, ensuring the preparation of reagents, standard solutions, and the safety and readiness of all instruments and equipment.

ORGANIZATIONS**Lembaga PERS, ITERA**

Staff of Secretarial

Lampung
Sep 2022 – Sep 2023

- Fully managed all organizational documents, correspondences, and archives, ensuring systematic order and data accessibility.
- Accurately recorded meeting minutes and compiled decisions, distributing reports to officers and members promptly.
- Maintained effective communication and coordination across all divisions to streamline activity scheduling and resource allocation.

Himpunan Mahasiswa Kimia, ITERA

Staff of Media Information

Lampung
Jun 2022 – Jul 2023

- Responsible for providing information about the Chemistry Student Association of ITERA through social media platforms such as Instagram, TikTok, and YouTube.
- Disseminated event-related information about the Chemistry Student Association to Chemistry students at ITERA.
- Created engaging chemistry-related content for social media.
- Acted as a liaison for other organizations seeking to collaborate with the Chemistry Student Association of ITERA.

PPLK, ITERA

Lampung

Staff of Collaboration Unit ITERA (CUI)

May – Aug 2022

- Prepared the main event for the ITERA campus introduction program
- Provided facilities for student organizations (UKM) and communities in ITERA to conduct branding and performances for new students.
- Contributed creative ideas for event decorations.
- Created a memorable and unforgettable experience for new students at ITERA.

CERTIFICATIONS

- Certificate of SNI ISO 22000:2018 Food Safety Management System, Badan Standardisasi Nasional, No: ELSDS/BSN/2788/XXV, 2025.
- Certificate of Good Manufacturing Practices (GMP), Badan Standardisasi Nasional, No: ELSDS/BSN/4902/XXV
- Certificate of Implementation of SNI ISO/IEC 17025:2017, Badan Standardisasi Nasional, No: ELSDS/BSN/4840/XXV
- Certificate of Fundamentals of Biochemical Laboratory Assistant, Laboratorium Kimia ITERA, 29.1397/IT9.3.1/PK.01.04/2023, 2023
- Certificate of Laboratory Assistant for Main Group Element Chemistry, Laboratorium Kimia ITERA, 29.1358/IT9.3.1/PK.01.04/2023, 2023

SKILLS & OTHER

Skills: Advanced in Data Analyze, Research Data, Origin, VMD, Excel, Power point, and Ms. Word.