

[BAGUS NUGROHO]

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A highly motivated and adaptable Chemistry graduate with strong experience in laboratory operations, regulatory analysis, and quality control within regulated industries. Possesses excellent technical communication skills, strong analytical thinking, and a solid understanding of industry standards and quality compliance. Detail-oriented, organized, and capable of working effectively both independently and collaboratively in a team environment. Committed to continuous professional development and dedicated to delivering accurate, high-quality results

Education

Jenderal Soedirman University 2021 – 2025

Bachelor's Degree in Chemistry – GPA 3.53/4.00 (*Cumlaude*)

- Relevant occupations: Research and development, Chemical Analyst, Quality Control, Quality Assurance, Regulatory Affairs, Environmental Consultant.

Experience

PT Lapi Laboratories Nov 2025 – Now

QC Finsihed Good and Stability

- Conducting routine and non-routine testing of finished products using HPLC instruments, UV-Vis spechtrphotometer and GC in accordance with operational standards
- Analyze test result data statistically and compare it with standard specifications (COA – *Certificate of Analysis*) and document all test data systematically in a logbook in accordance with the principles of Good Document Practice (GDP)
- Responsible for monitoring, preparing, and controlling working standards in the Quality Control division to ensure accuracy, consistency, and compliance with approved analytical procedures and pharmaceutical quality regulations.
- Collaborate with the Quality Assurance team in ensuring compliance with GMP standards through accurate documentation review, deviation handling support, and maintaining quality control processes to meet regulatory requirements.

PT Erlangga Edi Laboratories (ERELA) Jun 2025 – Oct 2025

QC Physics Chemistry Raw Materials

- Conducting testing for the identification, purity, potency, and physicochemical properties of raw materials according to pharmacopoeia specifications
- Test critical parameters such as moisture content, pH, melting point, viscosity, and impurity
- Operating laboratory equipment such as HPLC, iCP OES, GC, FTIR, UV-Vis, KF titrator according to the analysis method used
- Creating test results reports and analysis certificates that have been adjusted to the standards determined by the company

Balai Besar Standarisasi dan Pelayanan Jasa Industri Kemenperin Feb 2024 – Jun 2024

Chemical Analyst Internship

- Contribute to projects focused on calibration, product certification, and material quality assurance, achieving a 20% increase in material compliance levels and ensuring compliance with industry regulations.
- Conducting in-depth analysis of more than 100 paint samples using state-of-the-art analytical instruments, including Atomic Absorption Spectroscopy (AAS), X-ray Fluorescence (XRF), and UV-Vis Spectroscopy, achieving 98% accuracy in detecting trace elements and contaminants
- Maintains more than 150 detailed reports on procedures and analysis results, ensuring 100% compliance with SNI 3564-2014 and ISO/IEC 17025 standards

National Research and Innovation Agency (BRIN) July 2023 – Aug 2023

Research Internship

- Lead the synthesis of activated carbon from the carbonization reaction using a pyrolysis reactor, followed by activation with strong acids with a final result in the form of a material that functions in optimizing the adsorption capacity for CO₂
- Perform detailed proximate analyses, including moisture, ash content, volatile materials, and bound carbon content, to evaluate the quality of the synthesized activated carbon
- Prepare a fieldwork report by analyzing the data based on discussions with the field supervisor and aligning the findings with the latest literature.

Laboratory Assistant

Inorganic Laboratory

June 2024 – Nov 2024

- Guided 180+ students in mastering practical laboratory techniques over 8 key practicum sessions, resulting in an 80% increase in their technical proficiency and overall performance
- Implement systematic procedures that minimize analytical errors by 20% and increase operational productivity in the laboratory.
- Conduct rigorous validation and error checking processes and ensure the reliability and accuracy of data for high-quality results.

Biochemistry Laboratory

May 2023 – July 2023

- Introducing 10+ equipment commonly used in biochemical laboratory experiments and introducing occupational safety and health sciences.
- Improve students' 40+ practicum knowledge and skills by assisting them in 3 practicum agendas
- Responsible for processing the final score of the practicum using microsoft excel

Extracurricular

Unsoed Chemistry Student Association

Head of the Chemical Economics Division

Feb 2023 – Dec 2023

- Lead a team of 3 members
- Manage income financial accounting
- Successfully achieve sales profit that exceeds the target

Staff of the Economic Chemistry Division

Feb 2022 – Dec 2022

- Responsible for the work program to create 25+ PDLs for associate administrators
- Responsible for all internal activities of the association and external activities of the association

Student Executive Board of the FMIPA Unsoed

Feb 2023 – Nov

2023

Ministry of Foreign Affairs Staff

- Establish cooperative relationships with 10+ institutions
- Responsible for working visits to several faculties at Jenderal Soedirman University

Commitment Experience

Faculty Student Orientation

May 2023 – Sep 2023

Project Officer

- Lead 90+ committees to fit the vision and all predetermined plans
- Coordinate with faculty regarding the entire series of events
- Provide direction and supervise the implementation of the event
- Finding alternative solutions in case of problems and making informed decisions

Achievement

- Funding for Exact Research proposals (PKM-RE) by the Ministry of Education and Culture in 2024
- Silver Medal International Science and Invention Fair 2023
- Silver Medal World International Competition and Exhibition 2023
- Futuristic Bronze Medal and Prestige in Research, Technology and Art 2023
- Funding for Exact Research proposals (PKM-RE) by the Ministry of Education and Culture in 2023

Skills

Chemical analysis techniques, Knowledge of the use of laboratory equipment, Regulation Management, Writing, Systematic thinking, Interpersonal Communication, Assertive Communication, Analytical Thinking, Leadership, Teamwork, Conceptualizing and organizing events.

Language

- Indonesian (Advance)
- English (Intermediate)