



NURHAZIZAH WADDAULAH

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Fresh Graduate Chemical Analysis student with internship and laboratory experience in quality control, analytical testing, GMP-regulated documentation, and laboratory compliance. Skilled in analytical laboratory procedures, sample preparation, data reporting, and maintaining accurate technical documentation within structured environments. Experienced in working collaboratively across teams and supporting quality assurance processes with strong attention to detail, accuracy, and problem-solving abilities.

Experiences Internship

B. Braun Pharmaceuticals Indonesia - Karawang, Indonesia

Jan 2026 - Jun 2026

Internship

- Conducted physicochemical testing and quality evaluation for finished products, stability samples, and formulation trials in compliance with GMP standards.
 - Operated analytical instruments including AAS, FTIR-ATR, HPLC, Liquid Particle Counter (LPC), Turbidimeter, Potentiometric Analyzer, and pH Meter for routine laboratory analysis.
- Performed sample preparation, analytical measurements, data verification, and result reporting to ensure compliance with quality specifications.
- Prepared and maintained analytical worksheets, validation protocols, instrument logbooks, and technical documentation under GDP and cGMP requirements.
 - Collaborated with laboratory and cross-functional teams to support quality control operations and project activities.
 - Participated in new hemodialysis product development projects by supporting formulation trial-and-error studies, evaluating analytical results, and assisting in process optimization.
 - Performed incoming quality control inspection and evaluation of raw materials and packaging materials to verify compliance with established specifications and GMP requirements.
 - Coordinated imported material labeling activities and verified compliance of imported products and packaging documentation prior to warehouse release.

PT Guardian Pharmatama - Bogor

Jul 2025 - Nov 2025

Internship

- Conducted physicochemical testing and quality evaluation of finished products and raw materials in compliance with GMP and BPOM requirements.
 - Operated and maintained analytical instruments, particularly HPLC systems, including sample preparation, system setup, data acquisition, result verification, and routine performance monitoring.
 - Performed analysis of raw materials, finished products, and stability samples to ensure compliance with established quality specifications and regulatory standards.
 - Managed inventory control and stock opname of reference standards, reagents, and laboratory materials, ensuring proper traceability, storage conditions, and documentation in accordance with GDP and BPOM requirements.
 - Prepared and maintained analytical documentation, including analytical worksheets, instrument logbooks, certificates, and testing records to ensure data integrity and regulatory compliance.
- Conducted incoming inspection and documentation review of raw materials and packaging materials to verify compliance before production use.
- Managed laboratory documentation including analytical worksheets, instrument logbooks, and reference standard records in compliance with Good Documentation Practice (GDP) requirements.
 - Assisted in coordinating raw material and finished product testing workflows to support efficient laboratory operations and quality processes.
 - Maintained documentation accuracy, inventory traceability, and regulatory compliance within daily laboratory activities.
 - Collaborated with cross-functional teams to support operational efficiency and laboratory coordination.

Tropical Biopharmaca Research Center - Bogor

Dec 2024 - Jan 2025

Internship

During my research internship at Tropical Biopharmaca Research Center, I supported laboratory operational activities and research workflows related to natural ingredient-based product development. My responsibilities included coordinating sample preparation processes, maintaining laboratory documentation and analytical records, ensuring compliance with laboratory procedures and safety standards, and assisting in the organization of research activities involving multiple analytical instruments and testing methods.

Pendidikan

Institut Pertanian Bogor - Bogor, Indonesia

Jun 2022 - Jul 2026

Bachelor of Chemical Analyst, 3.22/4.00

- My study program focuses on the qualitative and quantitative analysis of chemical compounds. During my studies, I was involved in research and academic projects that combined the theory and practice of chemical analysis. I also have skills in the use of instruments such as spectrophotometers and data processing as well as using chemical analysis software. I acquired these laboratory skills through active participation in academic programs.

SMAN 1 Ciampea - Bogor, Indonesia

Jul 2019 - Jun 2022

High School Science

- I am actively involved in academic competitions and leadership activities, including representing my school in the National Science Olympiad (KSN) and the Indonesian Debate Competition (LDBI) organized by Puspresnas, as well as participating in debate competitions at SMAN 5 Bogor. These experiences strengthened not only my analytical and critical thinking abilities, but also my communication skills, teamwork, adaptability, and confidence in working under pressure. Throughout my academic journey, I consistently ranked among the top students in my class, reflecting my strong commitment to continuous learning, discipline, and high performance.

Licenses & Certifications

Chemical Analysis Competency Certification

Sep 2025

BNSP

Obtained a professional competency certification in chemical analysis, demonstrating proficiency in qualitative and quantitative laboratory techniques, sample preparation, titration, spectroscopy, and data interpretation according to national standards of analytical chemistry practice.

Participant, Competency-Based Chemical Analyst Workshop - Jakarta

Sep 2025

Labmania Indonesia

Participated in competency-based chemical analysis training covering laboratory analytical practices, occupational health and safety (K3), laboratory risk awareness, and professional laboratory procedures to support safe and compliant laboratory operations.

I sinergie Politeknik Malaysia Tun Syed Nasir - Malaysia

Nov 2025 - Dec 2025

Silver Medal Awardee

Silver Medal Awardee for a one-month funded research project focused on developing a functional prototype of an Arduino-based ammonia gas sensor using coconut shell-derived activated carbon and ZnO nanocomposite. Responsible for material synthesis, sensor fabrication, calibration, and performance testing to support sustainable industrial gas monitoring applications.

LKTIN Fakultas Teknik UHO - Universitas Halu Oleo - Sulawesi Selatan

Sep 2025

2nd Place Winner

2nd Place Winner for conducting research on the utilization of coal fly ash waste to develop piezoelectric paving blocks capable of generating electrical energy from vehicle pressure. The generated energy was proposed to power urban street lighting systems, contributing to the development of sustainable and environmentally friendly smart city infrastructure.

PKM - Kemenristekdikti - Bogor

Apr 2024 - Aug 2024

Received Funding

PKM is a Student Creativity Program organized by the Ministry of Research, Technology and Higher Education. Currently I have received funding which will be implemented for 4 months and I am the team leader in the PKM-PI sector, namely the application of science and technology by making a Zymatic Diffuser Mechanism with Dried Clove Leaf Extract to Treat Flea Pests in Animal Feed at PT Agro Apis Palacio

Indonesia Climate Model University Competition WRI Indonesia

Nov 2025

Top 6 Finalist

Selected as a finalist for presenting strategic policy ideas and sustainable solutions addressing climate change issues through climate policy simulation and academic debate.

Organisasi

- **Chief Coordinator of Vocational Affairs - PKM Center (2025):** Managed and coordinated PKM Center activities by assisting students in proposal preparation, organizing workshops and mentoring programs, monitoring proposal submissions and project progress, maintaining documentation and databases, and collaborating with faculty members and student teams to support successful participation in the Indonesian Student Creativity Program (PKM) at the university and national levels.
- **Achievement Bureau Staff – Student Executive Board of the Vocational School:** Supported the Bureau of Achievement in organizing and coordinating academic and non-academic achievement programs by disseminating competition information, assisting students in competition preparation and administration, maintaining achievement databases, monitoring student participation, and collaborating with internal and external stakeholders to promote student achievements and increase participation in regional, national, and international competitions.
- **Staff Visual Design - TEDxIPB (2024):** Designed and developed visual materials for TEDxIPB events, including social media content,

promotional materials, presentation assets, and event branding elements. Collaborated with cross-functional teams to ensure visual consistency, supported campaign execution, and contributed creative concepts to enhance audience engagement and strengthen the event's visual identity.

- **Head of Delegate Affairs | IPB Model United Nations (IPB MUN) (2024):** Managed and coordinated delegates throughout the IPB Model United Nations conference by handling registration processes, disseminating event information, assisting delegates with administrative and logistical matters, addressing inquiries and concerns, and ensuring effective communication and a smooth conference experience for all participants.