

WIDYA SEKAR AYU NINGTIAS

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PROFESSIONAL SUMMARY

QHSE professional with experience in quality management system, laboratory operations, and occupational health & safety within manufacturing environments. Completed General OHS Expert (Ahli K3 Umum) professional training, with competencies in hazard identification, risk assessment, regulatory compliance, and workplace safety management. Proven ability to support audits, implement CAPA, and drive continuous improvement while promoting operational excellence and a proactive safety culture.

PROFESSIONAL EXPERIENCE

PT Perusahaan Industri Ceres (Delfi Group)

QA Laboratory Junior Supervisor

Jan 2024 – Jul 2026

- Validated FT-NIR methods replacing conventional wet chemistry: moisture from 2 days to 5 minutes, fat content from 16 hours to 5 minutes, and eliminated 100% chemical solvent per test
- Led a team of 11 laboratory staff to achieve 100% pass rate in proficiency testing (LGC standards) in compliance with ISO/IEC 17025
- Digitalized laboratory administration system by 74% effectivity (from 19 to 5 minutes per sample) for 30-40 daily samples
- Managed analytical testing for 50+ shelf-life study samples while ensuring data accuracy, traceability, and timely reporting
- Scheduled and verified instrument calibration, maintaining 100% equipment reliability in accordance with ISO/IEC 17025
- Monitored laboratory chemical handling and storage practices to ensure safe usage, labeling, and regulatory compliance
- Conducted root cause analysis and implemented CAPA for laboratory deviations and non-conformities

HSE Laboratory Representative

Jun 2024 – Jul 2026

- Led routine safety briefing and training for a team of 11 laboratory staff to foster a proactive safety culture and compliance with SOPs
- Actively supported PROPER by reducing hazardous (B3) waste, achieving a 28% reduction through improved chemical management
- Performed regular laboratory HIRADC and workplace safety monitoring to maintain a target zero accident environment
- Supported internal and external audits with zero major findings, ensuring alignment with ISO 14001 and ISO 45001
- Reviewed and updated 62 Safety Data Sheets (SDS) compliance documents in both physical and digital formats

PT Pertamina Rosneft Pengolahan dan Petrokimia – Business Development

Mar 2022 – Sep 2022

- Identified and profiled over 40 potential raw material suppliers through comprehensive market research, including production capacity estimates and strategic contact mapping
 - Led a sharing session on 'Feedstock Fulfillment' for 25+ participants, effectively communicating complex supply chain strategies
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EDUCATION

IPB University — Bachelor of Science in Chemistry, 3.37/4.00

2019 – 2023

ORGANIZATIONAL EXPERIENCE

Chemistry Student Association – General Secretary

Nov 2020 – Nov 2021

- Standardized administrative documentation and supervised 8 divisional secretaries to ensure strict operational alignment
- Successfully executed over 10 work programs and oversaw the compilation of final accountability reports

PPKU Student Organization – Dormitory Executive Board

Aug 2019 – Jan 2020

- Supervised and monitored daily compliance and welfare for 35 dormitory residents, ensuring a safe and structured living environment
 - Coordinated effectively with resident students and management to streamline communication and resolve conflicts
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CERTIFICATIONS & PROFESSIONAL TRAINING

- General Occupational Health and Safety Expert (Ahli K3 Umum) — Ministry of Manpower of the Republic of Indonesia
 - Basic Fire Fighting and Basic First Aid – PT Mutiara Mutu Sertifikasi
 - SNI ISO/IEC 17025:2017 — BSS Consulting
 - Occupational Health and Safety Management in Laboratory — Mindo Education
 - Stability Test in The Shelf Life of Food Product – Mindo Education
 - Proficiency Testing Training – LGC Axio and PT Karunia Jasindo
 - Food Safety Management System (FSSC 22000, ISO 22000, HACCP) — Makin Ahli
 - Good Laboratory Practices and Good Manufacturing Practices — Makin Ahli
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SKILLS

Technical & QHSE Skills: HIRAC | JSA | PTW | CAPA | Root Cause Analysis (5 Whys, Fishbone) | Incident Investigation | Regulatory Compliance | Document Control | Laboratory Management | Calibration & Verification | ISO 9001 | ISO 45001 | ISO 14001 | ISO 17025

Laboratory Skills: FT-NIR | pH meter | UV-VIS | Texture Analyzer | Moisture Analyzer | Karl Fischer | Furnace | Analytical Balance

Soft Skills: Leadership | Communication | Problem Solving | Continuous Improvement | Time Management | Attention to Detail

Languages: Indonesian (Native), English (Professional), Mandarin (Basic).