

VIONA CHOIRUN NISA BAHRI

+62 812-3020-9609 | vionaacnb@gmail.com | www.linkedin.com/in/vionachoirunnisabahri
Bekasi, Indonesia

Chemistry graduate with strong analytical and laboratory expertise, supported by hands-on experience across FMCG, pharmaceutical, and manufacturing industries. Proven track record in laboratory analysis, R&D, quality control, and quality assurance, complemented by national-level achievements and research experience. Highly driven to contribute to QA, R&D, or Laboratory Analyst roles through strong scientific problem-solving, analytical thinking, and quality-focused mindset.

EDUCATION

Universitas Gadjah Mada

Faculty of Mathematics and Natural Sciences
Chemistry Major

2021-2025

Yogyakarta, Indonesia
GPA 3.62 / 4.00

RELEVANT COURSEWORK

Food Chemistry, Analytical Chemistry, Natural Product Chemistry, Organic Chemistry, Physical Chemistry, Inorganic Chemistry, Biochemistry, Medicinal Chemistry, Environmental Chemistry, Hazardous and Toxic Chemicals, etc.

WORK EXPERIENCE

PT. Diamond Cold Storage – Sukanda Djaya

June 2026-Present

Quality Control Analyst

Cikarang, Indonesia

- Perform chemical analysis for in-process and finished products across 3+ production lines and 27+ SKUs
- Conducted 40-50 routine samples per shift, including pH, 'Brix, total solids, total fat, viscosity, color, alcohol test, hydrogen peroxide, glycol, and fat globule size (FGS) analysis
- Utilized analytical instruments including FOSS analyzers, Brookfield viscometer, HunterLab colorimeter, moisture analyzer, and Gerber testing equipment to ensure compliance with product specifications
- Evaluated analytical results to support production decisions, including product adjustment and top-up calculations during mixing processes
- Prepared analytical reports and quality evaluations for new product trials to support product development and process validation activities
- Identified quality deviations and communicated findings to production and quality teams for timely corrective actions

Analyzed diverse FMCG products, including Biokul Yogurt, To Go Yogurt, Diamond Milk (all variants), Diamond Juice, Soft Mix, and Ice Cream products supplied to McDonald's, KFC, Tomoro, and other HoReCa (Hotel, Restaurant, and Café) customers.

PT. Newtrend Nutrition Ingredient

September 2025-June 2026

Quality Control Analyst

Karawang, Indonesia

- Performed HPLC analysis and moisture content testing on 2000+ samples including turmeric raw materials, in-process materials, finished products, and production residues to ensure compliance with quality specifications.
- Conducted routine laboratory analysis for 100+ glycine samples including moisture content, density, clarity, pH, conductivity, titration, surface area analysis, and UV-Vis spectrophotometry.
- Conducted small-scale R&D trials related to curcumin products, supporting product development and process optimization.
- Sample preparation and standard solution preparation for instrumental analysis. Achieved excellent linearity ($R^2 > 0.999$)
- Calibration and routine maintenance of laboratory instruments
- Monitored manufacturing environmental parameters such as pest control, temperature, humidity, and sanitation to maintain GMP and quality control standards in the production area.
- Supported external audits conducted by SGS, including document preparation and on-site audit assistance.
- Supported the Kosher Certification audit process, including verification of material compliance and production processes

INTERNSHIP AND ACADEMIC EXPERIENCES

Technology Innovation-PT Pertamina (Persero)

February-April 2024

Laboratory Analyst Internship

Jakarta, Indonesia

- Contributed to ICP-OES method development and validation for iodine in mining samples based on ASTM standards. Achieved excellent linearity ($R^2 = 0.999$) and precision ($\%RSD = 3.55$), enabling accurate analysis of >100 samples
- Characterized more than 50 rock and soil samples using SEM, XRD, and XRF to determine morphology, crystallography, and elemental composition of material
- Conducted product performance testing by interpreting 7 physical and chemical properties of processed products (oil spill dispersant, lubricant, petroleum) at PT Pertamina
- Conducted monthly wastewater treatment analysis for parameters such as phenol, NH_3 , chromium(VI), sulfide, cadmium (Cd), lead (Pb), iodine (I), mercury (Hg), oil, grease, and pH following environmental standards and OHS procedures
- Analyzed H_2S content in over 50 adsorbent samples using turbidimetry

PT Ajinomoto Mojokerto Factory

May 2024

Quality Control Internship

Mojokerto, Indonesia

- Performed elemental analysis in 35+ raw materials and products of PT Ajinomoto, including sodium (Na), magnesium (Mg), potassium (K), calcium (Ca), mercury (Hg)
- Carried out 90+ wastewater samples testing based on parameters such as COD, BOD, TSS, pH, oil, grease, and NH_3

Gadjah Mada University-Department of Chemistry <i>Laboratory Assistant (Ambient Gas Analysis-Analytical Chemistry)</i> - Supervised over 70 undergraduate students throughout the semester in handling analytical instruments and applying proper lab techniques - Organized hands-on training sessions in ambient gas sampling and instrument operation - Assisted in practical sessions, exam supervision, and report assessments	August-December 2024 Yogyakarta, Indonesia
Laboratorium Penelitian dan Pengujian Terpadu UGM (LPPT UGM) <i>Undergraduate Researcher – Material Characterization</i> - Prepared samples for Scanning Electron Microscopy (SEM) analysis using injection-based methods (specific technique determined based on sample type) - Analyzed surface morphology and elemental mass percentage using SEM-EDX, with Mn content measured at 57 % - Integrated findings from SEM-EDX to assess material composition and quality for potential function material applications	November 2024-Januari 2025 Yogyakarta, Indonesia

ORGANIZATIONAL EXPERIENCES

Lingkar Studi Sains (LSiS) <i>Science Partnership Staff</i> Executed programs for LSiS merchandise, campus partnership, and internal team coordination	2021-2022
Olimpiade Kimia Nasional (OKI) UGM <i>Materials Division Staff</i> - Developed 50+ chemistry Olympiad questions for national-level competitions stages - Correcting answers and selecting Olympiad participants - Assisting finalist in laboratory experiments	2022
Seminar Kimia Nasional <i>Secretariat staff</i> Compiled 200+ participant committee data, sent invitations, and coordinated the distribution of certificates	2023

RESEARCH EXPERIENCE

<i>Team Leader-Student Creativity Program (PKM-K)</i> Led a 4-person research team in developing Zymtum Choco, a functional product from natural extracts with potential antioxidants and anticancer properties (human colorectal adenocarcinoma cell line).	2022
<i>Undergraduate Thesis-Universitas Gadjah Mada</i> Mn₃O₄-Impregnated Cassava Peel Biochar for Crystal Violet Dye Adsorption	2024-2025

ACHIEVEMENTS

- Nationally funded by Kemendikbudristek for Student Creativity Program in Science Articles (2023)
- Nationally funded by Kemendikbudristek for Student Creativity Program in Entrepreneurship (2022)
- 2nd Place, National Science Olympiad (OSK) – Chemistry, District Level (2020)
- Top 10 Finalist, Madrasah Science Competition (KSM) - Chemistry, Provincial Level (2020)
- 1st Runner-Up, MGMP Jember Chemistry Olympiad (2019)

CERTIFICATION OR WORKSHOP

- Intentional Adulteration Vulnerability Assesment (IAVA/FDQI) – FSPCA (Certificate #64daa773)
- Good Manufacturing Practice (GMP) by Makin Ahli
- Hazard Analysis and Critical Control Point (HACCP) by Makin Ahli
- FSSC (Food Safety System Certification) 22000 Version 6.0 by Makin Ahli
- ISO 22000:2018 (Food Safety Management System) by Makin Ahli
- Quality Control in Food Industry by Makin Ahli
- Quality Assurance in Food Industry by Makin Ahli

ADDITIONAL INFORMATION

Hard skills: Skilled in instrumentation HPLC, SEM, XRD, XRF, ICP-OES, UV-Vis Spectrophotometer, COD analyzer, turbidimeter, Hg Analyzer, hydrometer, AAS, pour point test apparatus, flash point apparatus, viscosity meter, colorimeter, moisture content testing, FOSS analyzers, Brookfield viscometer, HunterLab colorimeter, Gerber, etc.

Soft skills : Time management, teamwork, problem solving, scientific communication

Languages : Indonesian, English