

HERNA NOVI KURNIANTI

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PROFESSIONAL SUMMARY

Chemistry graduate with one year of professional laboratory experience at PT Bureau Veritas CPS Indonesia, covering high-volume sample preparation and extraction (60-70 samples/day) for GC-MS and HPLC analysis, UV-Vis spectrophotometric testing, daily QC (method blank and spike blank), and preparation of calibration standards under GLP and ISO/IEC 17025:2017. Accustomed to accurate, timely test documentation aligned with GDP principles and to investigating result discrepancies through re-analysis and QC cross-checks. Hands-on experience with FTIR through academic research. Eager to apply a disciplined, SOP-driven approach to pharmaceutical quality control and to deepen GMP/cGMP knowledge.

WORK EXPERIENCE

Organic Wet Laboratory Engineer – PT Bureau Veritas CPS Indonesia

July 2025 – August 2026

- Supported routine laboratory testing by performing sample handling, preparation, and extraction for textile, furniture, raw material, and wastewater samples, in accordance with SOPs and applicable EN/ISO test methods.
- Prepared and extracted an average of 60-70 samples per day across 7-9 different preparation procedures, ready for GC-MS and HPLC analysis, while maintaining accuracy and on-time delivery.
- Prepared daily QC samples (method blank and spike blank) for every analytical method and batch, and prepared calibration standards weekly to support instrumental analysis, helping maintain accuracy and consistency of test results.
- Performed spectrophotometric testing (UPF analysis) and recorded results accurately and on time to support downstream reporting and decision-making.
- Investigated a UPF result discrepancy (client expectation of 50+ versus an initial analysis result below 50) by re-analyzing the sample and cross checking the related QC data for errors, then communicated with the supervisor and prepared a summary report confirming that the retest and initial results were consistent.
- Maintained laboratory records, sample logs, and test documentation, ensuring traceability and data integrity in line with GLP/GDP practices and ISO/IEC 17025:2017 requirements.

Laboratory Intern – Balai Besar Tekstil

May – July 2023

- Performed sample preparation and assisted with metal-content testing of textile products using ICP-OES.
- Recorded and organized analytical data while following laboratory SOPs and safety procedures.
- Supported sample identification, documentation, and laboratory traceability.

Laboratory Assistant – UIN Sunan Gunung Djati

Sept – Dec 2023

- Guided students through basic wet-chemistry methods including titration, qualitative tests, and compound separation.
- Prepared and managed chemical reagents, standard solutions, and laboratory equipment before and after practical sessions.
- Checked and evaluated experimental results to ensure procedural accuracy.

EDUCATION

Universitas Islam Negeri Sunan Gunung Djati

- Bachelor of Science in Chemistry, GPA 3.23/4.00 (2020 – 2025)

SMK Negeri 7 Bandung

- Textile Chemistry (2017 – 2020)

TRAINING & CERTIFICATIONS

- LC-MS/MS Training – PT Bureau Veritas (2026): basic theory, working principles, sample preparation.
- SNI ISO/IEC 17025:2017 Awareness Training (2026): requirements and implementation for testing laboratories.
- Good Laboratory Practice (GLP) Training (2026): GLP principles and laboratory documentation.
- Daily Conversation – Englishvit (2024): basic English communication skills.

RESEARCH EXPERIENCE

Silver Medal – National Competition For Young Moslem Scientists (NICYMS), 2024

Research Title: Synthesis of Activated Carbon from Mangosteen Peel (*Garcinia mangostana*) as an Adsorbent for Reducing BOD and COD in Tofu Industrial Wastewater.

- Compiled and presented experimental data in a scientific manner.
- Applied relevant experimental methods for environmental research.

- Collaborated within a research team to develop practical solutions for industrial environmental issues.

Presenter – National Chemistry Seminar (Gunung Djati Conference), 2024

Publication Title: Utilization of Garlic Peel Biomass Waste (Allium sativum L.) as Activated Carbon Adsorbent Using Potassium Hydroxide (KOH) to Reduce Total Chromium Ion (Cr) Concentration.

- Prepared activated carbon from garlic peel using KOH and characterized its surface and functional groups using SEM and FTIR.
- Analyzed total chromium concentration in wastewater before and after treatment using AAS and evaluated adsorption performance.

ORGANIZATIONAL EXPERIENCE

Staff Sosial Masyarakat – HIMASAKI

2021 – 2022

- Led and coordinated a community service project from planning through implementation and evaluation.
- Coordinated with committee members and external parties and managed project documentation.

Staff of General Secretary – Student Senate Science and Technology

2023 – 2024

- Assisted with administrative tasks, documentation, and organizational correspondence.
- Coordinated with team members and maintained organizational documents accurately.

SKILLS

Hard Skills: Sample Preparation for GC-MS & HPLC; UV-Vis Spectrophotometry; FTIR; Calibration Standard Preparation & Daily QC (Method Blank, Spike Blank); Test Result Documentation per GDP; GLP & ISO/IEC 17025:2017 (foundational understanding of GMP/cGMP); Classical Wet-Chemistry Methods (titration, qualitative analysis); Microsoft Office (Word, Excel, PowerPoint).

Soft Skills: Attention to Detail, Discipline, Analytical Thinking, Problem Solving, Communication & Teamwork.

Languages: Indonesian – Native | English – Elementary.

Availability: Willing to work in shifts as operationally required; ready to be based in Sukabumi.