

Wenda Anggarwati

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PROFILE

Fresh graduate from Department of Chemistry, Diponegoro University. Interested in pursuing a career in the skincare, cosmetics, personal care, pharmaceutical, food and beverage, renewable energy, environmental quality monitoring, chemical manufacturing, mining, oil and gas, and other related industries. Aspiring to build a professional career in Research and Development (R&D), Quality Control (QC), Quality Assurance (QA), and Regulatory Affairs. Skilled in data analysis, laboratory testing, and analytical reporting, with hands-on experience in UV-Vis spectrophotometry and potentiostat operation. Strong analytical mindset, attention to detail, and commitment to continuous improvement.

PROFESSIONAL EXPERIENCES

PT. Tirta Fresindo Jaya (Mayora Group)

Chemical Analyst | Full-time

May 2026 – Now

- Supported the implementation, monitoring, and compliance of Halal, GMP, FSSC 22000, Green Industry, and Occupational Health & Safety (OHS) standards to ensure adherence to company and regulatory requirements.
- Conducted chemical analyses of finished products, retention samples, and trial products to verify product quality, consistency, and compliance with established specifications.
- Performed chemical analyses of raw water and various stages of the water treatment process to monitor, evaluate, and maintain water quality standards.
- Prepared, standardized, and maintained chemical reagents, solutions, and laboratory materials to support accurate and reliable analytical testing.
- Operated UV-Vis spectrophotometers and other laboratory equipment to perform chemical testing, analyze results, and support quality control and product evaluation activities.

Anak Pintar Indonesia Learning Center

Tutor | Part-time

August 2022 – May 2026

- Dedicated and experienced tutor with a proven track record of helping over 200 students of various ages achieve academic success
- Expertise in teaching subjects such as mathematics, thematic studies, reading, beautiful writing, cursive writing, quranic studies with al-barqy method, english, and coloring.
- Developed personalized learning plans to cater to individual student needs and learning styles
- Assisted students with homework, assignments, and test preparation, resulting in noticeable improvements in their grades and comprehension.
- Collaborated with parents and teachers to provide feedback on student progress and discuss areas of improvement
- Successfully improved students' academic and non-academic achievements

IPB University

Presenter | Project Based

August 2025 – August 2025

Participating as a presenter at The 13th Asian Network for Natural and Unnatural Materials Conference event with the theme "Chemistry for Global Sustainable Development", presenting the results of final project research. Having the opportunity to listen to research presentations from lecturers and researchers in Asia. Having the opportunity to discuss and view various interesting posters of research results from the nation's best students.

National Research and Innovation Agency (BRIN)

Undergraduate Researcher | Full-time

September 2024 – March 2025

- Collaborated with researchers from BRIN on an undergraduate thesis research project.
- Successfully synthesized and characterized bismuth oxide (Bi_2O_3) and developed a Bi_2O_3 - modified carbon paste electrode for sensitive and selective electrochemical detection of Pb and Cd in agricultural applications, enabling cost-effective and field-applicable heavy metal monitoring.
- Processing and analyzing data from X-Ray Diffraction (XRD) characterization of bismuth oxide (Bi_2O_3) with origin software, data analysis of Scanning Electron Microscopy (SEM) characterization results. Prepared a thesis and international journal from the research results.

Diponegoro University

Coordinator of Basic Chemistry Laboratory Assistant | Part-time

February 2024 – June 2024

- Coordinating 5 groups in implementing the practicum "Acid-Base Reactions : Quantitative Analysis"
- Actively discuss with various parties to find solutions related to problems faced during practicum

- Carrying out practicums based on relevant journals and articles
- Become a contact person for lecturers, practicum assistants, and practicum participants.
- Recapitulate the scores of practicum participants together with 4 other laboratory assistants

National Research and Innovation Agency (BRIN)

Research Intern | Full-time

January 2024 – February 2024

- Research on the synthesis and characterization of surfactants made from d-mannitol and oleic acid with phosphoric acid catalysts as vaccine adjuvants
- Processing GC-MS and FTIR instrument characterization data
- Prepare internship reports in accordance with the regulations of the Chemistry Department, Diponegoro University. Actively participate in the preparation of international journals (AIP Proceedings).

ORGANIZATION EXPERIENCE

Kuliah Kerja Nyata (KKN)

Vice Chairman

July 2024 – August 2024

Kuliah Kerja Nyata (KKN) - Community service program that is part of the university curriculum in Indonesia. This program provides direct experience to students to apply the science and technology they have learned in college into real community life, in addition to developing soft skills, social concern, and leadership.

- Providing training to the community to be able to utilize technology to promote religious and cultural tourism
- Assisting the community in creating community population identities
- Providing training to the community regarding hydroponic plants
- Providing training and socialization to the people of Wonosari village regarding the manufacture of mosquito repellent spray from lemongrass
- Training and socialization to the people of wonosari village regarding the utilization of jelantah oil to be used as aromatherapy candles

Diponegoro Chemistry Fair

Material Field Coordinator

May 2022 – October 2022

- Collaborated with event organizers to prepare guest speakers for national seminars
- Coordinated with chemistry professors to serve as judges for scientific paper competitions
- Developed challenging and thought-provoking examination questions for chemistry competitions
- Orchestrated sponsorship acquisition from other educational institutions for chemistry competitions
- Created engaging social media content on chemistry topics in coordination with the publication, decoration, and documentation teams.
- Successfully organized a national seminar, scientific paper writing competition, and high school-level chemistry competition.

EDUCATION

Diponegoro University

13 August 2021-22 May 2025

Fresh Graduate in Chemistry – GPA 3.8/4.00

Relevant Cousework : Environmental chemistry, food analysis, food biochemistry, medical biochemistry, water chemistry, instrumental analytical chemistry, organic chemistry, nanomaterials, and inorganic chemistry.

TRAINING CERTIFICATION

- HACCP (Hazard Analysis and Critical Control Point)
- FSSC 22000 Version 6.0 (Food Safety System Certification)
- GMP (Good Manufacturing Practices)
- ISO 22000:18 (Food Safety Management System)

LANGUAGE

English language proficiency (intermediate), **with a predicted toefl score of 581**. Have solid command of the English language at an intermediate level, allowing me to effectively communicate both verbally and in writing.

TECHNICAL SKILLS

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| • Microsoft Office | • Notepad ++ | • EndNote |
| • Origin | • ChemDraw | • X’Pert Highscore |