

DELA PUSPITA HANDAYANI

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PROFILE

As a dedicated fresh graduate in Chemistry from Universitas Negeri Semarang, I am a well individual with a strong interest in both academic studies and organizational activities. I am particularly passionate about pharmaceuticals, cosmetics, skincare, food science, and other chemistry related fields. I actively strive to contribute to societal progress and organizational success.

I am currently seeking opportunities to acquire new skills, knowledge, and hands on experience while expanding my professional network. I am also proficient in Microsoft Office applications including Word, Excel, and PowerPoint which support my ability to manage documents, analyze data, and prepare professional presentations.

Known for being easy going, communicative, responsible, and disciplined, I am committed to continuous growth and professional excellence.

EDUCATION

UNIVERSITAS NEGERI SEMARANG - Semarang	2021 - 2025
• Majoring in Chemistry (Faculty of Mathematics & Natural Science) • Current: 3.48	
SMA NEGERI 16 BEKASI - Bekasi	2018 - 2021
• A 12th grade superior class student	

PROFESSIONAL EXPERIENCE

Balai Pengujian dan Peralatan (BP2) Prov. Jawa Tengah - Semarang	
<i>Water Laboratory Analyst Intern</i>	Mar 2024 - Jul 2024
• Conducting pH and temperature measurements, phosphorus tests, dissolved metal analyses, manganese tests, free chlorine tests, oil and grease analyses, total suspended solids (TSS) tests, hardness tests, colorimetric analyses, ammonia tests, sulfate tests, MBAS tests, phosphate tests, fluoride tests, and nitrate nitrite tests. • Performing UV–Vis spectrophotometric measurements. • Conducting sample titrations. • Collecting wastewater samples from wastewater treatment plants and eyewash stations at BP 2 offices. • Performing field sampling at PT SGS Salatiga. • Collecting water samples from the Kaligarang River, Semarang City. • Recording the reagents and parameters used in each test in accordance with SNI standards. • Completing entries in the laboratory equipment usage logbook.	

ORGANIZATIONAL EXPERIENCES

MAGANG HIMPUNAN MAHASISWA KIMIA - Semarang	
<i>Department of Communication and Information</i>	Oct 2021 - Jan 2022
• Distributing important information related to the Department of Chemistry. • Designing digital content and managing platforms such as Instagram, Twitter, and Facebook. • Creating visually appealing promotional pamphlets for the Department of Chemistry.	
STRONSIUM XXXI - Semarang	
<i>Committee Member for the Opening Ceremony of Stronsium XXXI Chemistry</i>	Sept 2022
• Assisting, guiding, leading, and providing necessary equipment and supplies for participants. • Managing and recording participant attendance.	

BEM KM UNNES - Semarang

Internal Organization Management Staff

2023 - 2024

- Fostering harmony and effective collaboration within the organization.
- Managing administrative tasks, including correspondence and preparation of meeting minutes.
- Ensuring operational efficiency and strengthening organizational synergy.

RESEARCH & PROJECT EXPERIENCES

MINI RESEARCH - Semarang

Phytochemical Testing and Antioxidant Activity of Telang Flower Extract (Clitoria Ternatea L.) and Its Use as a Preparation of Telang Flower Tea

2023

- Conducting phytochemical tests.
- Performing evaporation tests.
- Carrying out DPPH antioxidant assays.
- Analyzing experimental data.
- Conducting trials for producing telang flower tea, including sensory (taste) evaluation.

FINAL PROJECT - Semarang

Hydrogel/Chitosan/Pectin/Ginger Oil based Edible Coating to Extend the Shelf Life of Cherry Tomatoes (Solanum lycopersicum)

2025

- Analyzing the characteristics of chitosan/pectin/ginger oil hydrogels with the addition of tannic acid as a crosslinking agent.
- Evaluating the effect of chitosan/pectin/ginger oil hydrogel edible coatings with tannic acid as a crosslinking agent on extending the shelf life of tomatoes.

OTHERS

Skills: Critical and Analytical Thinking, Leadership, Problem Solving, Collaboration Skill, Communication Skill.

ICT Skills: Data Analysis, Laboratorium Equipment Handling, Instrument Operation, Microsoft Office (Word, Excel, PowerPoint).

Languages: Indonesia (Native), English (Intermediate).