



SISKA DWI WAHYUNI

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Kebayoran Lama, Jakarta Selatan

Passionate and detail-oriented fresh graduate of Environmental Engineering with a strong interest in occupational health & safety risk assessment, environmental permitting, and environmental management systems. Skilled in analyzing environmental data, interpreting regulatory requirements, and preparing technical reports to support compliance and informed decision-making. Experienced in project coordination, accurate documentation, and ensuring SOP compliance across cross-functional teams. Committed to advancing sustainable development through strategic risk assessment and effective environmental planning. A fast learner, highly motivated, and able to work both independently and collaboratively in dynamic environments.

Education Level and Achievements

Pertamina University - Jakarta

Awarded a Full Bachelor's Degree Scholarship at Universitas Pertamina, 3.88/4.00

- Best Graduate of the Faculty of Infrastructure Planning Universitas Pertamina 2025
- Publication of the related article ([link](#)): "An importance-performance analysis of travelers' perceptions of security services and safety facilities in Nusa Penida, Indonesia" in BIO Web of Conferences 2025
- Second runner-up in the PERFORMANCE Scientific Writing Competition 2024 with the theme "Asset Integrity Management System (AIMS)" by PT Pertamina Maintenance & Construction (PertaMC)
- Recipient of PKM-KC Research Funding 2023 from Universitas Pertamina for the project title "KNALUP: Knalpot Ramah Lingkungan Berbasis Adsorben Filter Lidah Mertua dan Tempurung Kelapa"
- Top 5 Finalists for Pertamina University Environmental Ambassadors 2023
- Bronze Medalist in YISF 2022 for the prototype "River Trash Trap (RiT-Trap)"

SMA Negeri Taruna Nala Jawa Timur (Boarding School) - Malang, East Java

Awarded a Full High School Scholarship at SMA Taruna Nala Jawa Timur

- 1st Place for Young Pioneers in the Food Sector in Malang City in 2020
- International Silver Medalist in the I2ASPO 2020 in Indonesia
- International Gold Medalist in the IYSIE 2019 in Malaysia

Work Experiences

Pertamina University - Jakarta

Strategic Planning and Development Unit

Sep 2025 - now

- Ensure alignment between institutional strategic plans, resource allocation, and development programs while managing daily administrative and financial operations of the Strategic Planning and Development Unit.
- Support reporting, documentation, and coordination across internal units.

Kanazawa University - Japan

Research Assistant in Air Quality and Pollution Control

Aug 2025 - Sep 2025

- Performed quality control activities including routine flow rate checks of HVAS and ANS, maintained sample integrity through proper chain of custody procedures, ensured SOP compliance during field activities, and reported technical findings to the principal investigator.

Butik Parahyangan - Tangerang

Operational & Marketing Specialist

Jul 2025 – Oct 2025

- Managed end-to-end production workflow, from recording Purchase Orders to coordinating with cutters, tailors, and embellishment teams to ensure timely completion.
- Executed digital marketing activities, including creating and managing Instagram content, designing product catalogs, and preparing promotional materials.

PT Envial Consultant - Jakarta

Waste Sampling Coordinator

Jul 2025 - Aug 2025

- Plan and organize systematic waste sampling activities according to project standards (e.g., SNI 3964:2025)
- Coordinate and supervise field teams to ensure accurate daily collection of waste samples ± 100 kg/day.
- Ensure representative sampling, labeling, documentation, and safe storage of samples
- Monitor sampling workflow, troubleshoot operational issues, and maintain quality control.

PT Pertamina Patra Niaga - Jakarta

Infrastructure Safety Function - HSSE

Jul 2024 - Aug 2024

- Participated in site inspections to monitor compliance with environmental and Occupational Health and Safety (OHS) policies.
- Conduct hazard identification, risk assessment, and risk control in the process of filling fuel into tank cars at Integrated Terminal Jakarta, Plumpang.
- Studied the implementation of Occupational Health and Safety (OHS) procedures at Integrated Terminal Jakarta, Plumpang

and Head Office of PT Pertamina Patra Niaga.

- Monitoring process safety, workplace and worker conditions, management of HSSE facilities and amenities, and handling of emergency response efforts and investigations, in order to effectively achieve HSSE excellence performance.

Pertamina University - Jakarta

Mar 2024 - Jul 2024

Assistant Lecturer | Water Supply System (SPAM) Course

- Assisted lecturers in preparing and delivering course materials related to water supply systems.
- Guided students in understanding water treatment processes, distribution networks, and infrastructure planning.

Pertamina University - Jakarta

Mar 2024 - Jul 2024

Calculus Tutor

- Explaining difficult concepts in a simple and easy-to-understand way for students and assisting students in doing exercise problems, providing example problems, and helping to solve complex mathematical problems.
- Create an interactive and supportive learning atmosphere, so that students do not hesitate to ask questions.

Pertamina University - Jakarta

Aug 2023 - Dec 2023

Library Collection Processing

- Inventory collections by registering new collections into the library inventory system, assigning classification codes to each collection.
- Input collection data into the Online Public Access Catalog library catalog system, label and bind collections, and digitize collections.

Organizational and Education Experience

Presenter in The 5th Sustainability and Resilience of Coastal Management (SRCM) – Institut Teknologi Sepuluh Nopember Surabaya

2025

Presenter in Parallel Session Presentation at 5th International Symposium of Earth, Energy, Environmental Science, and Sustainable Development – Universitas Indonesia

2024

Environmental Engineering Student Association (HMTL) - Pertamina University

Sep 2022 - Aug 2023

Head of Academic, Research and Strategic Studies Division (Akaristeg)

- Increasing the activeness of Environmental Engineering Study Program Active Students in competing and innovating by 25% and providing convenience for Active Students of the Environmental Engineering Study Program in preparing for Mid-Semester Examinations (UTS) and Final Semester Examinations (UAS) by providing Peer Tutors in certain subjects.

International RESILIENCE 2023 – Pertamina Foundation and Pertamina University

2023

Event Division

- Create a detailed plan for each event that includes the date, location, theme, and agenda of the event.
- Oversee all aspects of event execution from preparation to completion, including ensuring all details are met and the event runs according to plan.

International SPACE UP 5.0 2023 – Pertamina University

2023

Vice Chairman

- Responsible for supporting the Event Chair in planning, organizing and running the event.
- Assist in evaluating the event upon completion, including gathering feedback from attendees and team members to improve the process in the future.

Research Project

Integrated Waste Management Program Project – PT Pertamina Persero

2026

• **Description:** Designing and creating technical guidelines covering integrated waste management that can be applied to various Social and Environmental Responsibility (TJSL) program schemes, both those based on community empowerment, development of waste management facilities, and collaboration with local governments and other stakeholders.

• **Result:** The waste management model recommended in these technical guidelines is an integrated, village-based circular system, combining five-fraction separation at source, local processing of valuable organic and inorganic waste, and controlled residue management through the district system. Compared to conventional approaches and transitional models, this system positions villages as the primary management hub, not merely a transit point.

Waste Sampling for Cirebon TPPAS Project– Envial Consultant

2025

• **Description:** Conducted systematic waste sampling and compositional analysis across urban and peri-urban areas of Cirebon to support the design and development of the Integrated Final Waste Processing Facility (TPPAS). Applied the national standard method SNI 3964:2025, "Sampling and Measurement of Household and Household-like Waste Generation and Composition" to ensure data accuracy, consistency, and representativeness.

• **Result:** The detailed waste composition profile provided critical data for informed decision-making in technology selection, facility capacity design, and the formulation of source segregation programs. These findings serve as a foundation for developing an efficient, sustainable, and contextually appropriate waste management system tailored to the local conditions of Cirebon.

Sustainable Transportation Readiness Research Project

2025

• **Description:** Conducted a comprehensive survey to assess public perception and readiness toward the adoption of sustainable transportation modes, including electric vehicles, high-speed rail, and integrated public transit systems. Utilized

Google Forms for efficient data collection and performed statistical analysis using SPSS to derive meaningful insights.

- **Result:** The findings provided valuable understanding of behavioral factors influencing the acceptance of green mobility solutions and informed strategic recommendations aimed at improving and enhancing the prioritized sustainable transportation infrastructure and services.

Nusa Penida Research Project

2024

- **Description:** Analyzing Tourist Preferences on Safety Hygiene Aspects in Green Tourism Development Using Importance Performance Analysis (IPA) Method in Nusa Penida District, Bali.
- **Result:** formulate appropriate strategic recommendations to improve and enhance the quality of prioritized safety hygiene facilities and infrastructure in Nusa Penida.

Textile Waste Treatment Project

2024

- **Description:** Designing an effective Wastewater Treatment Plant (WWTP) design for household scale textile wastewater treatment in Sukabumi Selatan Village, Kebon Jeruk Sub-district, West Jakarta.
- **Result:** reducing pollutant parameters such as BOD, COD, Ammonia, TSS, Oil and Fat, and Color according to the quality standards of Permen LHK Number P.16/MENLHK/SETJEN/KUM.1/4/2019 for the textile industry.

Ambient Air Quality Measurement

2024

- **Description:** Measure the concentration of air pollutants (such as PM10, PM2.5, NOx, SO2, CO, O3) around Pertamina University to determine the level of air quality.
- **Result:** Ensuring that the air quality in the campus area complies with the ambient air quality standards set by the government and assisting Pertamina University in achieving its green campus goals by creating a healthy and sustainable environment.

PKM-KC KNALUP (Knalpot Ramah Lingkungan) Project

2023

- **Description:** developed a motor vehicle exhaust innovation equipped with a filter adsorbent based on tongue-in-law (*Sansevieria trifasciata*) and coconut shell.
- **Result:** KNALUP demonstrates an effective ability to absorb toxic gases up to a certain percentage, the utilization of coconut shell and aloe vera plant as filter materials creates an innovative and environmentally friendly solution that supports the circular economy principle.

Skills

- **Software/Tools:** Microsoft Office, Excel, Open LCA, Epanet, SPSS, and Nlogit
- **Technical Skills:** Implementation of HSE Management System in accordance with ISO 45001 and ISO 14001 standards, Risk Assessment and Hazard Identification (HIRADC, HAZID, HAZOP), waste management, life cycle assessment, project management, environmentally friendly building, and environmental licensing.
- **Additional Skills:** Leadership Communication, Creative Thinking and Creative Problem Solving, Research and Analysis, Project & Operational Administration, Quality Control
- **Languages:** Indonesia, English

Training & Certification

- **Certification ([link](#)):** AK3U Kemnaker RI, Safety Permit, JSA and HIRADC Awareness Training, OHS Documentation and Communication Awareness Training, OHS Requirements Fulfillment Evaluation Awareness Training, Personal Protective Equipment Awareness Training, Emergency Response Awareness Training, OHS Basics Awareness Training by **PT Veritrust Global Solusindo**; Quality, Health, Safety, and Environment (QHSE) training related to quality management system ISO 9001:2015, environmental management system ISO 14001:2015, SMK3 ISO 45001:2018, and contractor safety management system (CSMS) by **PT. Garuda Systrain Interindo**; Basic K3 Training with Basic K3 Mining, and Learning the Concept and Application of Environmental Impact Analysis for Company Themes by **Mutiara Mutu Sertifikasi**.