



HANIFAH ADHA

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Bogor City, West Java

A recent graduate with an Applied Bachelor's degree in Environmental Engineering and Management from IPB University, possessing internship experience in Health, Safety, and Environment (HSE) at PT Sumitomo Construction Machinery Indonesia. Experienced in PROPER management, environmental reporting via SIMPEL, hazardous and toxic waste (B3) administration, and the analysis of emissions, energy, water, and waste data, as well as supporting the implementation of ISO 14001 and ISO 45001. Possesses strong analytical, problem solving, communication, and teamwork skills, with proficiency in Microsoft Office, AutoCAD, QGIS, HEC-RAS, and Google Earth Pro.

Work Experiences

IPB University - Bogor City, West Java

Jan 2026 - Jul 2026

Teaching Assistant - Environmental Microbiology

A leading public university in Indonesia focused on education, research, and community service.

- Led 14 Environmental Microbiology laboratory sessions for 62 students across 2 classes, covering practical activities, simulations, testing, and laboratory result discussions.
- Guided microbiological and water quality testing including MPN analysis for coliform & E. coli, aseptic techniques, microbial isolation, gram staining, CFU/mL quantification, and laboratory safety & B3 waste management.

IPB University - Bogor City, West Java

May 2026 - Jun 2026

Teaching Assistant – Environmental Economics

A leading public university in Indonesia focused on education, research, and community service.

- Facilitated 4 practical classes involving 130+ students, supervising environmental field activities, data collection, ecomapping, discussion, and reporting.
- Guided students in assessing environmental aspects (energy, waste, air/noise/odor, water/wastewater, and soil) and developing SMART based environmental action plans for practical improvements.

PT Sumitomo Construction Machinery Indonesia - Karawang, West Java

Jul 2025 - Dec 2025

Staff Health, Safety, and Environment (HSE) / Intern

A heavy equipment manufacturing company that produces excavators and implements standards for occupational health and safety, quality, and environmental management.

- Managed and verified environmental data across 4 key PROPER aspects: wastewater, air emissions, hazardous waste (B3), and non hazardous solid waste, maintaining 15+ environmental data records to support environmental performance monitoring and compliance reporting.
- Conducted 20+ inspections and monitoring activities for B3 waste management, covering classification, labeling, packaging, storage, manifest records, and TPS Limbah B3 compliance, while supporting documentation of 100% of identified B3 waste streams.
- Prepared and archived 10+ environmental documents for PROPER, UKL-UPL, and ISO 14001, supporting internal audit preparation, regulatory compliance, and environmental improvement initiatives.

Preparation of the Environmental Impact Assessment (AMDAL) Document for the Construction Project - Bogor City, West Java

Aug 2024 - Dec 2024

Socio-Economic and Cultural Expert (SOSEKBUD)

- Prepared KA-ANDAL and RKL-RPL documents for 1 infrastructure development project covering 4 hectares, based on analysis of baseline environmental data and the socio-economic and cultural characteristics of communities surrounding the project area.
- Conducted socio-economic and cultural impact identification and assessment through baseline data analysis and community interviews, and developed recommendations for impact management and monitoring as part of the AMDAL documentation.

Education Level

Institut Pertanian Bogor - Bogor City, West Java

Aug 2022 - Jul 2026

Applied Bachelor's degree Environmental Engineering and Management, 3.64/4.00

- Honors: Cum Laude
- Awardee: YBM BRilian, Yayasan Van Deventer-Maas Indonesia (VDMI)
- Relevant Courses: Environmental Impact Assessment, Solid Waste Management, Industrial Waste Treatment Technology, Environmental Microbiology, Occupational Health and Safety (OHS) Management Systems, Wastewater Treatment, Drinking Water Treatment, Bioremediation, and Air Quality Management.
- Final Project Title: Utilization of Corn Cob Cellulose Waste as Eco-friendly Biomulch Material

Organisational Experience

HIMAVO LIKISTA - Bogor City, West Java

Head of the Finance and Entrepreneurship Bureau

Himavo Likista is a student organization uniting three related study programs Environmental Engineering and Management, Chemical Analysis, and Ecotourism dedicated to enhancing students' quality and skills in the environmental and social fields.

- Coordinated a team of approximately 10 people in the execution of work programs.
- Successfully implemented 100% of the work programs during the term of office.

Nov 2023 - Nov 2024

Alumni Talk - Bogor City, West Java

Head of the Events Division

An alumni sharing session providing students with insights into career paths, challenges, and opportunities after graduation.

- Led a 10-person team in organizing an event attended by 40 participants.
- Coordinated interactive discussions involving 3 speakers and 40 participants, ensuring the entire session ran according to schedule.

Jul 2023 - Aug 2023

Likista Be Entrepreneur - Bogor City, West Java

Secretary and Treasurer

A national entrepreneurship webinar focused on business, innovation, and developing an adaptive entrepreneurial mindset.

- Manage administration, documentation, and inter-divisional communication to ensure the smooth execution of activities.
- Manage an activity budget of IDR 3,000,000—sourced from a Frisian Flag sponsorship (IDR 1,000,000) and fundraising proceeds (IDR 2,000,000)—and prepare a transparent financial accountability report.

Jun 2023 - Jul 2023

Skills, Project & Achievements

- Achievements** 📍: Top 10 Team and recipient of IDR 35,000,000 – PRIME STeP Hackathon 2025; Simple Patent (Invention Title: Composition of Nile Tilapia Pellets from Papaya, Cassava, and Water Spinach Leaf Waste and *Lemna* sp. Weeds) (2024); 3rd Place in the PKM-Entrepreneurship category at the 37th National Student Scientific Week (PIMNAS) (2024); Fan Favorite Winner at the Water For Food Youth Challenge: Building Resilient Coastal Agriculture in Pekalongan (2024); 3rd Place in the Scientific Paper Competition at the IPB Vocational School "Agricultural Day Competition 2024" (2024); Finalist in the "National Essay Competition Fresh UIN Jakarta" (2023).
- Projects**: HACKATHON (2025), Entrepreneurship Student Creativity Program/PKM (2023–2024), Outreach and Construction of a Downflow-Upflow Filtration System for a Tofu Factory Wastewater Treatment Plant in Cilebut (2024), "Keep It Safe, Make It Clean" Community Service (2024), "WEBIVIRONMENT" Environmental Audit Webinar (2024), Outreach on Filtration Systems for Catfish Farming Wastewater Treatment (2024), Development of an Innovative Incinerator (2024), Innovation of Anti-Mosquito and Anti-Fly Spray at the Ciparigi TPS3R (Waste Treatment Facility) (2023), HETAMAN Community Service
- Soft Skills**: Systems thinking, complex problem-solving, innovation, decision-making, adaptability, collaboration, leadership, communication, and critical thinking.
- Hard Skills**: Environmental Monitoring, Environmental Compliance, Environmental Impact Assessment (AMDAL), PROPER & SIMPEL Reporting, Hazardous & Non-Hazardous Waste Management, Waste Utilization & Waste-to-Product Development, Solid Waste Management, Wastewater Treatment, Water Quality Management, Environmental Data Analysis, Environmental Reporting, Environmental Microbiology, HIRADC & JSA, Occupational Health & Safety (OHS), ISO 14001 Implementation, Air Quality Management, and Risk Assessment.
- Certification** 📍: Occupational Safety and Health Officer Certification (BNSP), (2022) The 7 Habits of Highly Effective New College Students
- Training** 📍 (2025): Fire Safety Training – KIIC Fire Department (Karawang), Hazardous Waste (B3) Handling and Management Training – PPLI (Bogor), and First Aid Training (P3K) – Indonesian Red Cross (PMI) Karawang.