

CURRICULUM VITAE

Name : Dr. Pini Wijayanti
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Google scholar : <https://scholar.google.com/citations?user=VVWZXogAAAAJ&hl=en&oi=ao>
Key qualifications : Pini Wijayanti is an environmental economist with over a decade of experience conducting CBA for projects related to water and agriculture. She serves as a lecturer in the Resource and Environmental Economics Department at IPB University, where her expertise lies in economic valuation, CBA, and environmental economics modeling. Since 2021, she has been actively participating in the TEEBagrifood Indonesia project, focusing on the economic analysis of cacao and coffee agroforestry systems. Currently, she consults for the UNDP on initiatives aimed at developing positive incentives for biodiversity. Her work encompasses both national and international research collaborations, which often include surveys and focus group discussions. Notably, she has led extensive surveys on urban flood damage and conducted comprehensive CBA for flood mitigation and adaptation strategies. She has demonstrated her ability to engage participants effectively, derive meaningful insights, and offer actionable recommendations to enhance decision-making processes. In addition to her research and consulting roles, Pini has been appointed as the Head of the Master Program in Resource and Environmental Economics at IPB University.

EDUCATION

2011 - 2019 **Wageningen University and Research, The Netherland**
PhD, Environmental Economics and Natural Resources
2005 - 2009 **IPB University**
Master of Science, Agricultural Economics
1999 - 2003 **IPB University**
BSc with honours, Agricultural Economics

CURRENT POSITION

2009 - now **Lecturer in Department of Resource and Environmental Economics, Faculty of Economics and Management, IPB University**
Teaching subjects : 1) Environment and natural resources economics, 2) Economic valuation, 3) Damage assessment, 4) Water economics

RESEARCH & CONSULTANCY EXPERIENCES (SELECTED)

2024-2025 **Positive Incentives for Biodiversity in Indonesia**
Clients: Bappenas & Biodiversity Finance Initiative (BIOFIN)-UNDP
Defining positive incentives criteria and indicators to locate different incentive mechanisms categorized as positive incentives, reviewing on the national budget system and budget spending to identify a range of the economic instrument and their monetary size, and analyzing and establish an estimation of positive incentives for biodiversity according to its monetary size, usage, agency promote incentives, beneficiaries.

2024-2025 **Soil assessment in the designated agroforestry project**
Clients: PUR
Assessing soil-condition and developing risk mitigation strategies for 7 agroforestry projects in 5 regencies

2021 - 2026 **Ecosystem-based Management of Coastal Marine Resources in Ghana, Indonesia and Vietnam (ECOGIV)**

- Donor: Norwegian Agency for Development Cooperation (Norad)
Managing and contributing in capacity strengthening regarding Marine Resource Economic competence for IPB University (Indonesia), Nha Trang University Vietnam, University of Cape Coast Ghana
- 2021 - 2024** **The Economics of Ecosystem and Biodiversity (TEEB) for Agriculture and Food Initiative in Indonesia**
 Donor: United Nations Environment Programme
Using the TEEB framework to analyze policy scenarios for cacao agroforestry and coffee agroforestry revitalization. Establishing CBA for cacao agroforestry in Luwu Utara Regency, and coffee agroforestry in Tanggamus and Bandung Regencies from 2022 to 2045.
- 2024** **Study on Indonesia's Waste Sector**
 Clients: PT. Sarana Multi Infrastruktur
Conducting waste characteristics survey in Benowo landfill, Surabaya
- 2024** **Conservation Vegetation for Upstream and green belt of Citarum River**
 Clients: Perum Jasa Tirta II
Establishing budget conservation for various locations with different vegetation types
- 2023-2024** **Economic valuation of regulating services in independent Palm oil plantation**
 Clients: WWF
Conducting economic valuation of regulating services in independent palm oil plantations in Riau Province & West Kalimantan Province
- 2023** **Environmental and Social Impact Assessment for a Water Supply Project in Kuningan and Cirebon Districts, West Java**
 Clients: SNV Netherlands Development Organization
Providing a preliminary Environmental, Socio-economic and Governance (ESG) assessment for a Water Supply Project to scale up a bulk water supply operation in Cirebon District, West Java
- 2023** **Landscape and Green Infrastructure Assessment in Kuningan and Cirebon Districts, West Java**
 Clients: SNV Netherlands Development Organization & PT. N-Three
Providing an initial water source protection plan, taking the landscape and catchment level scale into account for a Water Supply Project to scale up a bulk water supply operation in Cirebon District, West Java
- 2023** **Cost-Benefit Analysis for Achieving Indonesian Marine Protected Areas Vision 30x45**
 Clients: Conservation Indonesia & Rekam Nusantara Foundation
Assessing the economic feasibility and appropriateness of the proposed design, policy, or decision of the MPA and its network to achieve the MPA Vision 30x45, by comparing the costs and benefits associated with its development
- 2022** **The Social, Economic, Environment, and Health Impacts of Climate Change in Jakarta**
 Clients: DKI Jakarta Province & Centre for Climate Risk and Opportunity Management in Southeast Asia Pacific (CCROM - SEAP)
Conducting an impact assessment of climate-related disasters and provide recommendations on climate risk mitigation and adaptation
- 2022** **Business Models of the Indonesia's Green Small Medium Enterprises**
 Client: Indonesia Central Bank
Developing indicators for Indonesia's Green Small Medium Enterprises, & developing strategies and recommendations for implementing Bank Indonesia's green MSMEs program in the agricultural and craft sectors.
- 2022** **Cost and Benefit Analysis Ghost Gear in Indonesia**
 Client: Indonesia Conservation Strategy Fund
Assessing the direct and indirect losses of ghost gear to the anglers and identifying the potential measures to reduce the negative impact of ghost gear
- 2021 - 2022** **Strategic Environmental Assessment of New Palembang Port**
 Clients: Ministry of Transportation and Ministry of Environment and Forestry (KLHK)
Assessing the impact of port development on the surrounding forest and local livelihood
- 2020** **Solid Waste Management using Hydrothermal Technology for the Community-Scale**
 Client: ICLEI – Local Governments for Sustainability Southeast Asia Inc.

- Providing technical and economic assessment of hydrothermal technology to ensure its viability to the community*
- 2019** **Market Survey and Analysis for Organic Rice in West Kalimantan**
Client: The Food and Agriculture Organization of the United Nations (FAO)
Analyzing market dynamics and responses to organic products in the West Kalimantan border areas of Indonesia and Malaysia
- 2017-2018** **Strategic Environmental Assessment (SEA) of Marine-Coastal-Small Islands Zoning Plans (RZWP3-K)**
Client: Environmental Agency of West Java Province & PT. DHI Indonesia
Providing technical Assistance for the local SEA Task Force
- 2016 - 2017** **Hydrodynamic Modelling for Flood Reduction and Climate Resilient Infrastructure Development Pathways in Jakarta**
Client: The Climate Technology Centre & Network (CTCN) UNEP
Enhancing the assessment of flood risks and hazards while designing climate-resilient pathways to mitigate the impacts of flooding.
- 2013-2014** **Estimation of Jakarta Flood River Damage**
Donor: The Economy and Environment Program for Southeast Asia (EEPSEA).
Assessing flood damage, flood vulnerability, and society's ability to respond to flooding by using micro and mesoscale approaches
- 2011-2014** **Estimation of Jakarta Flood River Damage**
Donor: Kennis voor klimaat.
Building knowledge and tools for climate-proof and integrated spatial planning and water management and incorporate newly developed insights directly in projects in Jakarta

SELECTED TRAINING

- 2022** **Sustainability Diagnostic with the Rapfish Method and Policy Analysis using Policy Maker and Promethee Software**
IONIA
- 2022** **Machine Learning for Decision Making by Using Orange Software**
IONIA
- 2021 - 2022** **TEEBAgriFood for Business Training**
Capitals coalition
- 2021** **Training Workshop on Water Resources Management: Climate and Socioeconomic Change Adaptation in Transboundary Basins**
EEPSEA – IIASA
- 2019** **Experimental and Quasi-Experimental Method for Environmental Economic Topics**
EEPSEA Partnership, Vung Tau, Vietnam
- 2018** **Water Economics**
IHE-Unesco, Delft the Netherland
- 2015** **Flood Risk Management**
IHE-Unesco, Delft the Netherland
- 2015** **Valuing Regulating Ecosystem Services in Southeast Asia**
EEPSEA, Penang, Malaysia
- 2013** **GIS and Hydro Modelling**
IHE-Unesco, Delft the Netherland
- 2013** **Introduction to Experimental and Behavioral Economics**
EEPSEA, Penang, Malaysia

PUBLICATIONS (SELECTED)

- Septiani, N., **Wijayanti, P.**, Azzahra S. A., Nikmah, L. and Sapanli, K. 2024 “Freshwater Stingray Fishermen’s Income In Musi River, Palembang City, South Sumatra”, Marine Fisheries : Journal of Marine Fisheries Technology and Management, 15(2), pp. 135-145. doi: 10.29244/jmf.v15i2.51720.

- Asyifa, N., Ismail, A., & **Wijayanti, P.** 2024. Nilai Ekonomi Jasa Penyerbukan pada Perkebunan Kopi Robusta. *Jurnal Ilmu Lingkungan*, *In press*.
- Adibroto, T.A., **Wijayanti, P.**, Pratama, R.A., Adhi, R.P., Ihsan, I.M., Handika, R. and Musirin, S.D.R.H., 2024, September. Building a resilient North Jakarta: Integrating social preferences for effective adaptation and mitigation strategy in the climate change era. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1388, No. 1, p. 012048). IOP Publishing.
- Azizah, A.I., **Wijayanti, P.** and Syaukat, Y., 2024. Spatial dependency of air pollution in Jabodetabek urban agglomerates cities. *Sustinere: Journal of Environment and Sustainability*, 8(2), pp.150-165.
- Sari, N.P., Widyastutik, W. and **Wijayanti, P.**, 2024. Assessing the Capacity of Flood Prone Households in West Pasaman to Reduce Flood Risk. *Sumatra Journal of Disaster, Geography and Geography Education*, 8(1), pp.112-117.
- Kristanto, Y., Tarigan, S., June, T., Sulistyantara, B. and **Wijayanti, P.**, 2024. Indirect use value of improved soil health as natural capital that supports essential ecosystem services: A case study of cacao agroforestry. *Agricultural Economics/Zemědělská Ekonomika*, 70(3).
- Septiani, N. N., **Wijayanti, P.**, Azzahra, S. A., Nikmah, L. 2024. Livelihood Assets Analysis of Freshwater Stingray Fishermen in Musi River, Palembang City, South Sumatera. *ECSOFiM (Economic and Social of Fisheries and Marine Journal)* 11 (2), 236-250
- Adlina, A., **Wijayanti, P.**, Ratnasari, D. and Kodiran, T., 2023. Kerugian Ekonomi Ghost Gear Perikanan Kecil Di Laut Jawa (Studi Kasus: Tegal, Jawa Tengah). *Jurnal Sosial Ekonomi Kelautan dan Perikanan*, 18(2), pp.141-148.
- Allysa, S.N. and **Wijayanti, P.**, 2023. Reduction of Greenhouse Gas Emissions through Community-Scale Pyrolysis Technology in Bogor City and its Financial Feasibility. *Jurnal Sumberdaya Alam dan Lingkungan*, 10(3), pp.134-145.
- Nisa, J. K., & **Wijayanti, P.** 2023. Methane Emissions Reduction from Palm Oil Mill Effluent through a Biogas Plant (Case Study: Tungkal Ulu Biogas Plant, Jambi). *Jurnal Wilayah dan Lingkungan*, 11(1).
- Allifah, S., Syaukat, Y., & **Wijayanti, P.** 2023. Mampukah Pembangkit Listrik Tenaga Air Mendorong Green Economy untuk Indonesia?. *Jurnal Ilmu Lingkungan*, 21(3), 647-658.
- Allifah, S., Syaukat, Y. and **Wijayanti, P.**, 2022. Dampak Tenaga Air dan Bahan Bakar Fosil terhadap Implementasi Ekonomi Hijau di Indonesia. *Jurnal Sumberdaya Alam dan Lingkungan*, 9(3), pp.102-112, doi:10.21776/ub.jsal.2022.009.03.3
- Allifah, S and **Wijayanti, P.**, 2022. Potensi Reduksi Emisi Gas Rumah Kaca dan Kelayakan Finansial dari Pembangkit Listrik Tenaga Mikro Hidro Cisalimar, Jawa Barat. *Jurnal Ilmu Lingkungan*, 20(4), 900-911, doi:10.14710/jil.20.4.900-911.
- Noch, N. A. R., and **Wijayanti, P.**, 2022. Potensi Reduksi Gas Rumah Kaca di TPA Kawatuna melalui Proyek Pemulihan Gas Metana. *Jurnal Teknologi Lingkungan*. 23(1), 100-109.
- Ayuvitari, R. S., and **Wijayanti, P.**, 2022. Potensi reduksi emisi GRK dan Kelayakan Finansial dari Teknologi Hidrotermal untuk Pengolahan Sampah di Kabupaten Tangerang. *Jurnal Ilmu Lingkungan*, 20(1), 1-12, doi:10.14710/jil.20.1.1-12
- Fianda, A. Y. A., Fandinny, I., Kacaribu L. N. B., Desyani, N. A., Asyifa, N., and **Wijayanti, P.** 2022. *Eco-friendly packaging: Preferensi dan Kesiediaan Membayar Konsumen di Marketplaces*. *Jurnal Ilmu Lingkungan*, 20(1), 147-157, doi:10.14710/jil.20.1.147-157
- Wijayanti, P.**, 2019. Economic approaches for flood risk reduction in Jakarta, Indonesia. PhD thesis, Wageningen University, Wageningen. ISBN 978-94-6395-002-2.
- Wijayanti, P.**, Zhu, X. Hallegers P., Budiyo Y. and Ierland E.C. 2016. Estimation of River Flood Damages in Jakarta. *Natural Hazards* 86(3):1059-1079. DOI: 10.1007/s11069-016-2730-1.
- Ward, P.J., van Ierland E.C., Budiyo, Y., **Wijayanti, P.**, Muis, S., Marfai, M.A., Poerbandono, Julian, M.M. and Fauzi, A. 2014. Jakarta Climate Adaptation Tools. National Research Programme Knowledge for Climate.

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal if engaged.

Bogor, December, 2024

[Signature]
(Dr. Pini Wijayanti)