

# Ikhwanussafa Sadidan, M.Sc.

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## BACKGROUND

A highly motivated and creative lecturer, who dedicates to fostering intellectual growth and inspiring students. Committed to delivering engaging and interactive lectures, while promoting a dynamic learning environment. Passionate about environmental sustainability with a strong aspiration to contribute towards a better, healthier planet. Primary teaching and research areas include Ecology and Geographic Information Systems, with a focus on environmental pollution.

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## EDUCATIONS

- **Tomsk Polytechnic University (2017-2019), Russia**  
**GPA: 4.82 (of 5.0 maximum)**  
Graduate School, Ecology and Environmental Management Study Program, Higher School of Environmental Engineering
- **Tyumen State University (2016-2017), Russia**  
Preparatory Faculty (Non-Degree)
- **Universitas Padjadjaran (2011-2015), Indonesia**  
**GPA: 3.24 (of 4.0 maximum)**  
Undergraduate School, Animal Science, Faculty of Animal Husbandry

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## JOB EXPERIENCES

- **Lecturer of Environmental Engineering Study Program, Faculty of Engineering, Universitas Singaperbangsa Karawang** (1 March 2022 - Present), Indonesia

Designing and delivering lectures to students. Developing course syllabi, lesson plans, and instructional materials. Subjects: Environmental Ecology, Geographic Information System, Environmental Management System, Digital Literacy, Artificial Intelligence.

Has additional duties as coordinator of International Affairs to manage foreign students' academics and collaboration with foreign universities.

- **Part-time Environmental Consultant at PT Djaya Enviro Consulting** (1 October 2023 - Present), Indonesia

Specialize in drafting and preparing comprehensive environmental documentation for industrial clients. My role involves conducting thorough environmental assessments, developing detailed reports, and advising on regulatory compliance to support sustainable practices and mitigate environmental impact.

- **Customer Specialist at LATOKEN** (7 October 2020 – 31 February 2022), Russia

Responsible for providing exceptional support and service to clients. This includes addressing inquiries, resolving issues, and ensuring a seamless user experience. I work closely with the team to enhance customer satisfaction and support the company's mission in the financial technology sector.

- **Website Administrator and Content Creator at MagicBit, Inc.** (1 July 2019 – 1 July 2020), Russia

Managing and optimizing our online presence with a focus on the Indonesian market. My role involves overseeing website functionality, creating and curating relevant content, and implementing strategies to engage and grow our Indonesian audience. I ensure that the website remains user-friendly and up-to-date while tailoring content to meet the specific interests and needs of our target market in Indonesia.

- **Animal Keeper at Ragunan Zoo Park** (1 February 2016 – 30 September 2016), Indonesia –

Responsible for the daily care and management of various animal species. My duties include feeding, cleaning, and monitoring the health and well-being of the animals, as well as ensuring that their living environments are safe and enriching. I also engage with visitors to provide educational information about the animals and contribute to conservation and research efforts.

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## **ACHIEVEMENTS/ SCHOLARSHIPS/ HONORS/ AWARDS**

- **Best Pitch Presenter at SEARCA Agro Innovator Program**, University of the Philippines Los Banos 2025
- **Best Presenters on 6th Borobudur International Symposium on Science and Technology**, UNIMMA, Indonesia (December 2024)
- **Supervising Lecturer for PIMNAS 2024 for PKM Video Constructive Ideas** (2024)
- **SPADA Documentary Video Grant on Learning Video Innovation Competition** from the Indonesian Ministry of Culture, Research and Technology (September 2023)
- **Best Presenters on 4th Borobudur International Symposium on Science and Technology**, UNIMMA, Indonesia (December 2022)
- **Second Best Paper on XIII International Scientific Symposium of Students and Young Scientists** “Geoecological Problem of Subsoil Development”, Tomsk Polytechnic University, Russia (February 2019)
- **Third Best Paper on XIII International Scientific Symposium of Students and Young Scientists** “Geoecological Problem of Subsoil Development”, Tomsk Polytechnic University, Russia (February 2018)
- **Russian Government Scholarship Awardee** (2016-2019)
- **Pikiran Rakyat Scholarship Awardee** (2012-2013)

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## **PUBLICATIONS**

- 2024. **Study of Physical and Chemical Properties of Drinking Water Sources on the Citarum River Irrigation Area in Karawang, West Java, Indonesia.** E3S Web of Conferences 500, 02002.
- 2024. **Oil and Grease Contamination of Raw Water for Drinking Purposes in Karawang Regency, Indonesia.** E3S Web of Conferences 500, 02002.
- 2023. **Utilization of Machine Learning to Predict River Water Color Quality using Decision Tree Regressor (DTR) and Support Vector Regressor (SVR) Methods.** Brahmana: Jurnal Penerapan Kecerdasan Buatan 5 (1), 77-84

- 2024. **A Development of Deep Learning Approach to Estimate Blue Carbon Stock on Mangrove Habitats.** 2024 4th International Conference on Electronic and Electrical Engineering and Intelligent System (ICE3IS). IEEE.
  - 2024. **Sustainable reconstruction plan of abrasion affected areas based on spatial planning and risk analysis: A case study in Karawang, Indonesia.** BIS Health and Environmental Science 1, V124010-V124010
  - 2023. **Quality improvement of food products using taguchi method: a study in a bread product SME.** *Operations Excellence: Journal of Applied Industrial Engineering* 2023, 15(2), 121-132.
  - 2023. **Performance of the YOLOv8 Model for Drowsiness State Detection On Car Driver.** *Brahmana: Jurnal Penerapan Kecerdasan Buatan* 5 (1), 67-76
  - 2019. **Mercury Content in the Hair of the Population of the Volcanic Active Zone in Indonesia (Case in: Mount Tangkuban Perahu & Kawah Ijen).** *Problems of Geology and Subsoil Development: Proceedings of the XXIII International Symposium.*
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### **TRAINING/WORKSHOP**

- Mangrove Forest Mapping and Blue Carbon Stock (2024)
  - GIS Methods for Carbon Project Mapping and Planning (2024)
  - QGIS and QSWAT3 for Hydrology Modelling (2023)
  - Environmental Impact Assessment (2023)
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### **SKILLS AND INTERESTS**

- **Skills:** Geographic Information System, Environmental Impact Assessment, Drone Pilot, Photography, Videography
  - **Language Proficiency:** Indonesian (Native), English (Advance), Russian (Intermediate)
  - **Sector of Interests:** Ecology, Wildlife, Artificial Intelligence, Environmental Pollution
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### **REFERENCES**

- **Prof. Ade Maman Suherman, M.Sc. (Rector of Universitas Singaperbangsa Karawang)**  
Professor in Law / ade.maman@unsika.ac.id
- **Prof. Saryono (Vice Rector of Academics of Universitas Singaperbangsa Karawang)**  
Professor in Nursing Biomedicine / sarbiokim@gmail.com