

Muhammad Aslam Fadhillah, S.Si., Gr.

Phone: +6289670692093 | **Age:** 26 | **Address:** Antapani, Bandung, West Java

Email: ppg.muhammadfadhillah03@program.belajar.id | **Linkedin:**

https://www.linkedin.com/in/muhammad-aslam-fadhillah/?locale=en_US



I am a biologist and professional educator with academic and research experience in biodiversity, ecology, conservation biology, environmental monitoring, and biological control. I earned a Bachelor's Degree in Biology from Universitas Islam Negeri Maulana Malik Ibrahim Malang and was awarded the Indonesian Government Professional Teacher Education Scholarship (PPG Prajabatan) at Universitas Pendidikan Indonesia. My research experiences include biodiversity assessment, herpetofauna conservation, ecological monitoring, agricultural ecosystem studies, GIS-based environmental mapping, and quantitative data analysis. I possess strong competencies in statistical analysis, spatial analysis, scientific communication, and interdisciplinary research.

My current research interests focus on Environmental Microbiology, Bioremediation, Microbial Ecology, Biodiversity Conservation, Environmental Biotechnology, and Sustainable Environmental Management. My long-term research goal is to contribute to the development of microbial-based bioremediation technologies and sustainable environmental restoration through interdisciplinary approaches integrating ecology, biodiversity, environmental monitoring, and quantitative data analysis.

EDUCATION

UNIVERSITAS PENDIDIKAN INDONESIA

Professional Teacher Education Program (Gr.) (PPG Prajabatan)/
December 2022 – November 2023

Awardee of Indonesian Government Scholarship

Research Projects:

- Algorithmic Strategy and Computational Thinking Integration in Biology Learning
- Classroom Action Research on Role Playing Learning Model in Human Immune System Topic
- TPACK-ESD Workshop Development for Science and Biology Teachers

UNIVERSITAS ISLAM NEGERI MAULANA MALIK IBRAHIM MALANG

Bachelor of Biology (S.Si)/ August 2018 – May 2022

GPA: 3.45/4.00

Final Research:

- Morphological Variation of *Leptophryne borbonica* in Bromo Tengger Semeru National Park

**RESEARCH
EXPERIENCE**

- **Research on Algorithmic Strategies and Computational Thinking Integration in Biology Learning**
UIN Malang | 2022
- **Morphological Variation of *Leptophryne borbonica* in Bromo Tengger Semeru National Park**
UIN Malang | 2022
- **Herpetofauna Diversity Assessment in Bromo Tengger Semeru National Park**
UIN Malang | 2021
- **Research on Herbivore Populations and Natural Enemies in the Rice Field Ecosystem of Pendem Village, Malang Regency, East Java**
UIN Malang | 2021
- **Genetic Research on Fruit Fly Reproduction (*Drosophila melanogaster*) Using Plantain Extract**
UIN Malang | 2020
- **Herpetofauna Diversity Research at Curug Cilengkrang, Ujungberung District, Bandung City, West Java**
UIN Malang | 2020
- **Research on Marine Biodiversity at Kondang Merak Beach, South Malang Regency**
UIN Malang | 2019

**RESEARCH
COMPETENCIES**

- **Ecological Field Survey**
- **Biodiversity Assessment**
- **Environmental Sampling**
- **Statistical Data Analysis**
- **Spatial Data Analysis**
- **Scientific Writing**
- **Quantitative Research**
- **Mixed Methods Research**
- **Research Project Management**

PUBLICATIONS

- **The First Record of an Hourglass Toad (*Leptophryne borbonica*) in The Core Zone of Bromo Tengger Semeru National Park and Its Ecological Aspects**
Journal of Tropical Biodiversity and Biotechnology | Nov 2024
SCOPUS: Q3 (co-author)
DOI: <https://doi.org/10.22146/jtbb.93938>
- **Optimizing the Use of Role Playing Learning Models in Efforts to Improve Student Learning Outcomes in Biology Subject Material of the Immunity System**
Journal of Tropical Biodiversity and Biotechnology | Dec 2023
SINTA 1 (first author)
DOI: <https://doi.org/10.22437/biodik.v9i4.28112>

Curriculum Vitae BUPP

EXPERIENCES

- **Educational Trainer**
PT. IMA Global Link | February 2025- June 2026
- **Statistical Partner (Seasonal)**
BPS Bandung City | Nov 2024- Present
- **Educational Tutor & Person In Charge (Freelance)**
Sony Sugema College | Dec 2023 - Present
- **Biology Teacher (Owner)**
Al Aslami Education | Nov 2023 – Present
- **Biology Teacher (Online)**
PLC Pekanbaru | March 2023 – Present
- **Biology Teacher**
Al Lathif Islamic School | June 2022 – January 2023
- **Field Coordinator (Internship & Research)**
Bromo Tengger Semeru National Park | June 2022 – Dec 2022
- **Business Training Facilitator (Project)**
PT. HM Sampoerna Tbk | June 2019 – Dec 2019

AWARDS & SCHOLARSHIPS

- **Data Analyst Certification - Skill Academy**
Skill Academy | April 2025
- **Microsoft Office Certification**
Kelas.Work | March 2024
- **Awardee of Professional Teacher Education Scholarship**
Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi | Dec 2022 – Nov 2023
- **Certified Professional Teacher**
Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi | Jan 2023.
- **National Defense Certification**
Dodik Bela Negara Rindam III Siliwangi | June 2023

CONFERENCES, WORKSHOPS & SCIENTIFIC

- **Head of the West Java Provincial Mental Arithmetic Competition Organizing Committee**
PT. IMA Global Link | Feb 2026
- **Organizer of the TPACK-ESD Competency Development and Training Workshop for Science and Biology Teachers at the Greater Bandung Level**
Saku Guru - UPI| June 2023
- **National and Regional Scientific Seminars in Biology and Education**
Biology UPI | Feb 2022
- **Speaker at the Herpetofauna Specimen Inventory and Preservation Workshop at the Maliki Herpetology Society**
Biology Department UIN Malang| Dec 2022
- **Ecology Laboratory Assistant in Landscape Ecology Course**
Biology Department UIN Malang| Jan 2022

Curriculum Vitae BUPP

- **Environmental Conservation Program in East Java**
Go Herpet – Ecology Community | Dec 2021
- **Biodiversity Monitoring Activities in Protected Areas**
Biology Department UIN Malang | August 2021
- **Speaker and Organizer of the iProud Business Program for PT. HM Sampoerna Tbk Employees in the East Java Area**
PT. HM Sampoerna Tbk | August 2021

SKILLS

Research & Laboratory: Biodiversity Assessment, Herpetology, Ecology, Environmental Monitoring, Biological Control, Species Identification, Ecological Survey, Conservation Biology, GIS-based Environmental Mapping, Scientific Research Methodology.

Statistical & Data Analysis: SPSS, Stata, EViews, PAST 4.0, Quantitative Analysis, Multivariate Analysis, Ecological Data Analysis, Data Visualization, Research Data Management.

GIS & Spatial Analysis: ArcGIS, QGIS, GPS Mapping, Spatial Analysis, Habitat Mapping, Land Use Mapping, Georeferencing, Environmental Monitoring.

Molecular & Bioinformatics: MEGA X, Phylogenetic Analysis, Molecular Data Processing, Sequence Alignment, Genetic Diversity Analysis.

Qualitative Research: NVivo, Content Analysis, Thematic Analysis, Mixed-Methods Research, Interview and Document Analysis.

Software & Digital Tools: Microsoft Office, Google Workspace, Canva, CapCut, ChatGPT (AI-Assisted Research & Content Development).

Personal Strengths: Research-Oriented, Analytical Thinking, Problem Solving, Scientific Communication, Leadership, Teamwork, Project Management, Adaptability, Public Speaking, Training & Facilitation, Time Management.

Languages: Indonesian and Sundanese (Native), English (Professional Working Proficiency), Javanese (Conversational), Arabic (Basic).
