



UNIVERSITAS GADJAH MADA
FAKULTAS KEHUTANAN
PROGRAM STUDI DOKTOR ILMU KEHUTANAN

Jl. Agro No. 1 Bulaksumur, Yogyakarta 55281 Telp. (0274) 584126
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Job Vacancy: PhD Researcher - Forest Landscape Connectivity in Central Kalimantan, Universitas Gadjah Mada, Indonesia, and Utrecht University, the Netherlands,

Position: PhD Researcher

Research Location: Central Kalimantan, Indonesia.

Application Deadline: 25 February 2024

Interview Dates: 20 – 22 March 2024

About the Project: Agricultural-commodity production, particularly palm oil, has led to significant forest fragmentation and wildlife loss in Asian tropical forests. The growing global demand for resources heightens the risk of further deforestation and fragmentation, adversely impacting biodiversity. This project aims to increase our understanding of habitat suitability and connectivity in agricultural-commodity landscapes, providing empirical insights to inform evidence-based strategies for responsible resource production and conservation practices.

We are seeking a highly motivated and dedicated PhD Researcher to join our interdisciplinary, international, research team, who will be focusing on studying forest landscape connectivity in Central Kalimantan, Indonesia. This project will encompass a holistic approach in studying connectivity, incorporating wildlife monitoring, habitat suitability modelling, GIS analysis, and statistical programming in R. The base of the successful candidate will be based in the Faculty of Forestry, Universitas Gadjah Mada. The candidate will be expected to conduct extensive fieldwork in Central Kalimantan. Additionally, there will be an opportunity to collaborate on research development, data analysis, and writing at Utrecht University in the Netherlands.

Key Responsibilities:

1. **Wildlife Monitoring:** Utilize camera traps and acoustic monitoring methods to assess wildlife populations and distributions in the Central Kalimantan region.
2. **Habitat Suitability Modelling:** Develop and apply habitat suitability models to understand the ecological preferences of target species and assess the impact of landscape features on their (potential) distribution.
3. **GIS Analysis:** Use GIS software to analyze landscape connectivity, map land use changes, and evaluate the impact of forest fragments on wildlife populations.
4. **Statistical Programming:** Employ R programming to analyze and interpret data collected during the study and develop statistical models to answer research questions.
5. **Collaboration:** Collaborate with NGOs, the private sector, and local and international research partners to strengthen the scientific output of the project and increase societal impact.
6. **Reporting and Publication:** Present research findings at conferences and publish research results in peer-reviewed journals.
7. **Student supervision:** Supervise (under)graduate students during research projects.



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Qualifications:

- An MSc. degree in a relevant field (e.g., ecology, wildlife biology, forestry, environmental science).
- Strong background and experience in wildlife monitoring techniques, including camera traps and acoustic monitoring.
- Proficiency in GIS software and habitat suitability modelling.
- Proficient in statistical programming, particularly in using R.
- Excellent written and spoken English and Bahasa Indonesia communication skills.
- Willingness to spend extended periods in Central Kalimantan for fieldwork.
- Strong analytical and problem-solving skills.
- Ability to work independently and in a team.

Desirable Qualifications:

- Experience with forest and wildlife ecology and landscape connectivity research.
- Previous fieldwork experience in tropical ecosystems.
- Strong publication record or the potential for high-impact publications.

What We Offer:

- A full-time, fully-funded Ph.D. position, including stipend and research expenses, based in the Faculty of Forestry UGM.
- An opportunity to work on a cutting-edge project with a team of dedicated researchers from Indonesia and Europe.
- Possibility of two multi-month research visits to Utrecht University in the Netherlands at the start and end of the PhD. Funding is secured for the first visit, and additional funding is highly likely to be unlocked for a second research visit as the project progresses.
- An enriching and collaborative research environment.
- Career development opportunities in academia and conservation science.



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How to Apply:

Interested candidates should submit the following documents to s3ilmukehutan@ugm.ac.id and arisusanti@ugm.ac.id

- A cover letter explaining their motivation and qualifications for the position. Ari
- A detailed CV.
- Contact information for three professional references.
- Academic transcripts and diplomas.

Note: In the subject line of your email, please include "PhD Researcher Application – Forest Landscape Connectivity."

For inquiries about the position or the application process, please contact Ari Susanti at arisusanti@ugm.ac.id

We look forward to welcoming a passionate and dedicated PhD researcher to our team to contribute to the important work of forest landscape connectivity conservation in Central Kalimantan.

Head of Doctor Forestry Science Study Program,

Dr. Eny Faridah