WILD
RESEARCH GROUP

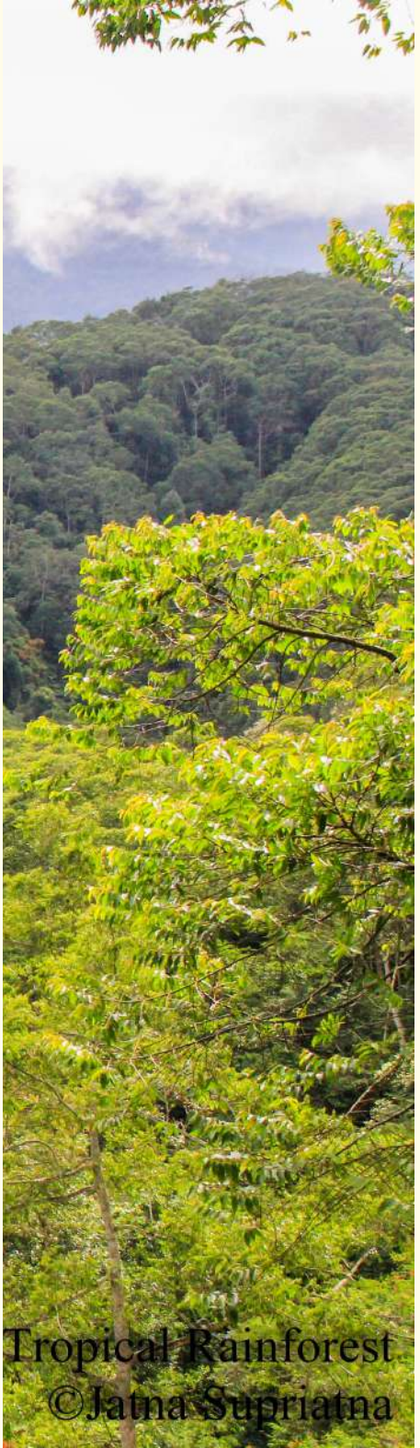
UNIVERSITAS INDONESIA

WILD

Wildlife Biology and Sustainable Landscape

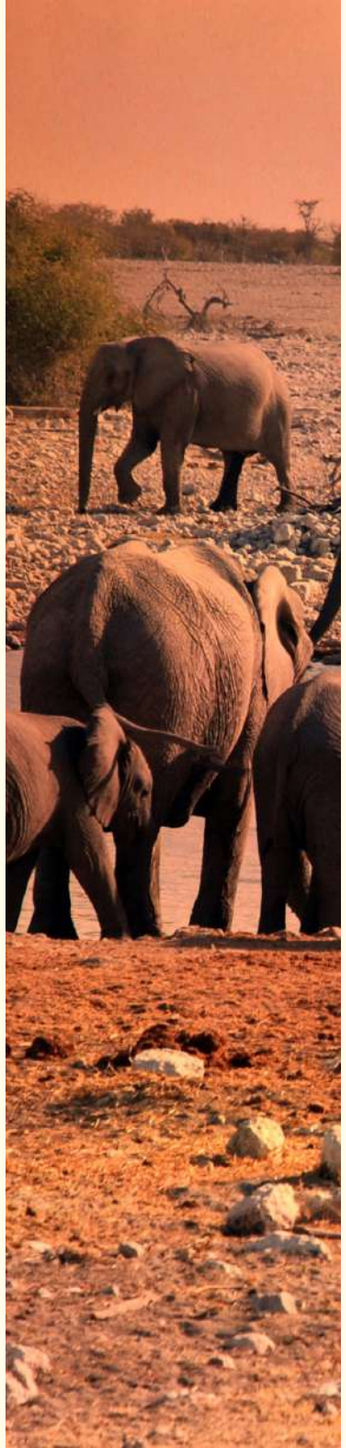
Research Group Rationale

- Through increasing research capacity and improving policy in the field of conservation
- To support the Government's commitment to SDGs, particularly Goals 13, 14, and 15.
- Understanding the biology of wild flora and fauna in a changing landscape and seascape is crucial to ensure that development activities do not surpass nature's carrying and restoring capacity.


Tropical Rainforest
©Jatna Supriatna

Objectives

- Providing science-based recommendations to design and manage human-wildlife interphase in biodiversity rich landscapes
- Developing climate resilience management tools to conserve wildlife
- Understanding the biology of wildlife biodiversity and landscape dynamics in urban ecosystem for the preservation of wildlife and sustainable development
- Understanding the genome respond to dynamic ecosystem and adaptation process to support resilience



Research Focus

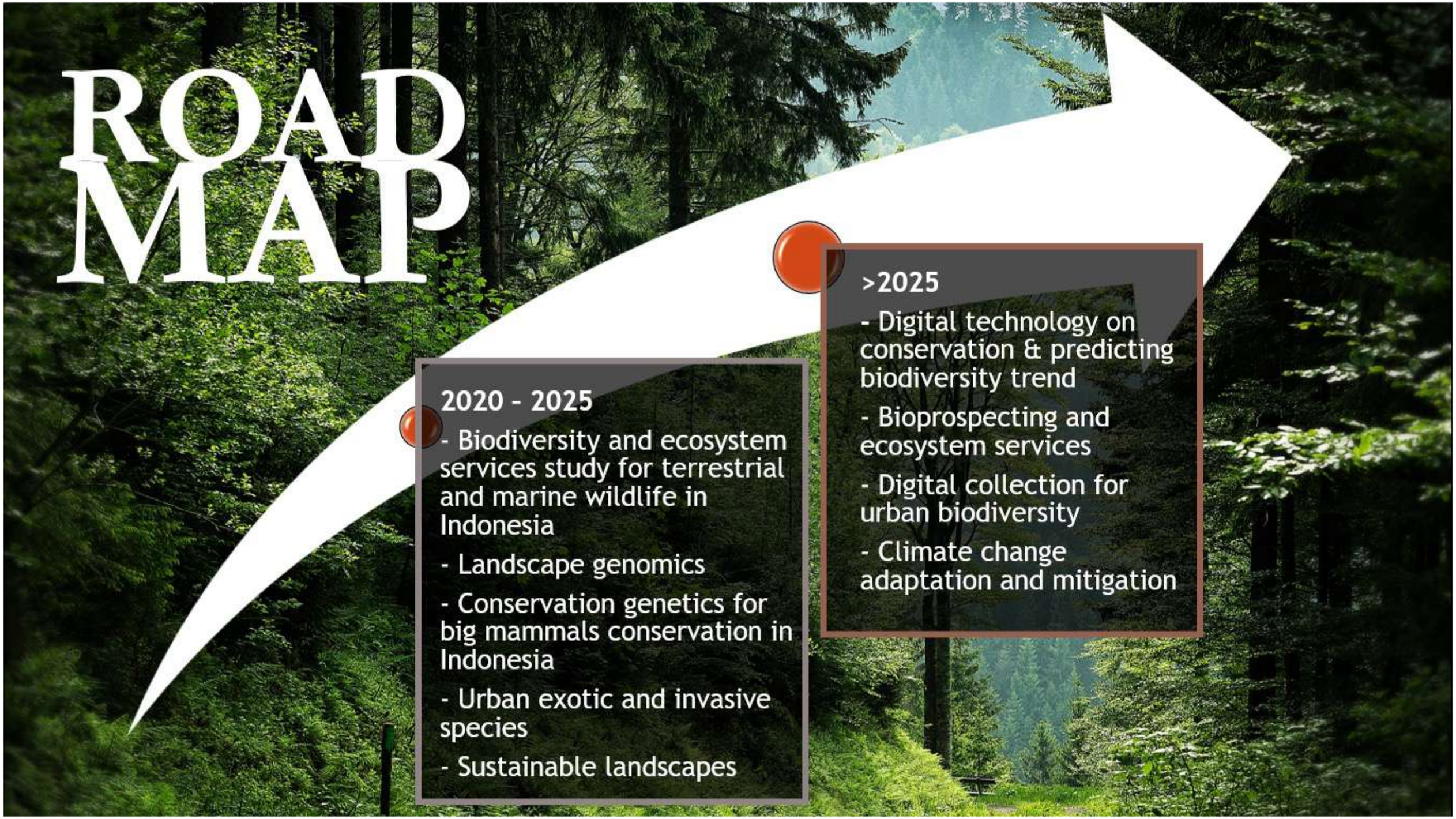
- Conservation genetics of critically endangered mammals in fragmented landscapes of Sumatra and Java

- Whole genomes and transcriptomics studies to detect positive selection under different landscape management systems

- Assessments of landscapes' carrying capacity using various parameters in relation to human – wildlife conflict, wildlife ecosystem, and sustainable development

Research Focus

- Metabolomics and behavior interaction in endangered large mammals.
- Characterization of urban exotic and invasive species
- Urban biodiversity and ecosystem services
- Development of urban plant diversity database in the UIDEP herbarium as part of the big data for Indonesian biodiversity
- Identification of urban green corridors as part of determining the green corridors of the JABODETABEK urban area


ROAD MAP
2020 - 2025
- Biodiversity and ecosystem services study for terrestrial and marine wildlife in Indonesia
- Landscape genomics
- Conservation genetics for big mammals conservation in Indonesia
- Urban exotic and invasive species
- Sustainable landscapes
>2025
- Digital technology on conservation & predicting biodiversity trend
- Bioprospecting and ecosystem services
- Digital collection for urban biodiversity
- Climate change adaptation and mitigation

Organization and Members

Head of Research Group

Prof. Dr. Jatna Supriatna, MSc.

- Over 40 years of experience in wildlife and environmental conservation in Indonesia.
- Prof. Supriatna has published more than 100 scientific articles and written 10 books on the subject of wildlife and environment.

Dr. Luthfiralda Sjahfirdi, M.Biomed.

- Associate Professor

Research interest:

- Reproductive Physiology
- Reproductive Behavior
- Behavior in captivity.

Dr. Noviar Andayani, MSc.

- Assistant Professor
- Experience in wildlife conservation
- contributing more than 37 scientific publications

Research interest:

- Molecular Forensics
- Landscape Genetics
- Conservation Genetics
- Conservation policy

Organization and Members

Mega Atria, MSi.

Assistant Professor

Ph.D. candidate at Leiden University

- Working in the field of plant taxonomy and biogeography.

Research interest:

- Urban plant diversity characterization
- Taxonomy of Rattan
- Fitogeography
- Ethnobotany

Andi Eko Maryanto, MSi.

Assistant Professor

Research interest:

- eDNA studies for cryptic and alien species
- ecological modeling using molecular approach
- evolutionary studies of adaptation and behavior.

Afiatry Putrika, MSi.

Assistant Professor

Research interest:

- Taxonomy and ecology of plant in the urban area, especially non-vascular plant.
- Plant adaptation in the urban area

Organization and Members

Dr. Nisyawati

Assistant Professor

Retired in October 2022

- Working in the field of plant structures and its potential in adapatation, ethnobotany, and urban studies.

Research Assistants and Students

Research Assistant:

Dr. Nurul Winarni, Asri A. Dwiyahreni, M. Sc, Sandi Leo, Wulan Pusparini, M.Sc., Sheherazade, M.Sc., Alexander Tianara, Athena Syarifa, Muhammad Naufal

TOPIK PENELITIAN YANG DITAWARKAN

Research topics under supervision: Prof. Jatna Supriatna

Email: jatna.supriatna@gmail.com

- Ekologi dan perilaku primata di kawasan konservasi
- Wisata hidupan liar Komodo
- Restorasi Ekosistem kawasan hutan dan mangrove

Research topics under supervision: Dr. Noviar Andayani

Email: nandayani@wcs.org

- Genetika populasi gajah sumatera (3 Mahasiswa)

Research topics under supervision: Mega Atria, M.Si

Email: mega.atria@sci.ui.ac.id; 087784319672

No	Topik	Kuota Mahasiswa
1	Pengembangan prototipe “Interactive Plant Identifier: A tool for Urban Plant Identification (UI)” (+Univ Gunadarma)	2
2	Identification of Palms UI and its possible pollinator (UI) (+CEEB)	1
3	Studi persepsi masyarakat urban terhadap keberadaan tumbuhan langka perkotaan (+RCCC)	2
4	Manajemen herbarium taksa tumbuhan spesimen koleksi Herbarium UIDEP	2
5	Studi keanekaragaman pohon di Kecamatan Limo Depok (sebagai kandidat koridor hijau daerah urban) (+CEEB)	1
6	Karakterisasi dan validasi specimen koleksi herbarium UIDEP untuk pengembangan *database* biodiversitas tumbuhan urban	2

Research topics under supervision:
Andi Eko Maryanto, M.Si

Email: ae.maryanto@sci.ui.ac.id

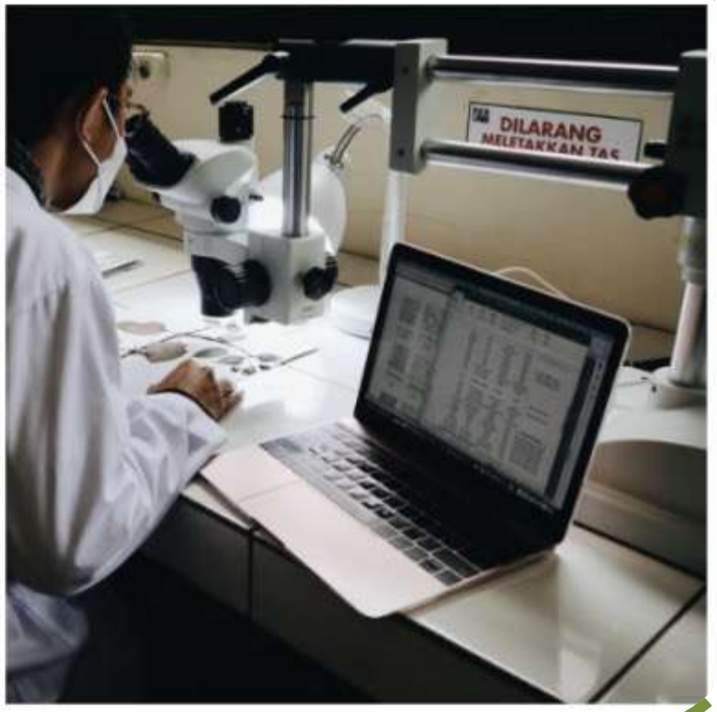
- Studi bakteri resisten antibiotic dari sampel udara (3 Mahasiswa)

Research topics under supervision:
Afiatry Putrika, M.Si

Email: a.putrika@sci.ui.ac.id

No	Topik	Kuota Mahasiswa
1.	Perbandingan lumut urban di wilayah terpolusi dan tidak terpolusi (dpt berlanjut setiap semester)	3 (saat ini sudah terisi)
2.	Manajemen koleksi herbarium lumut di ruang koleksi biota	2
3.	Kultur in vitro lumut (+MECE)	2
4.	Optimasi pembuatan sediaan kromosom lumut (+CEMBIOS)	

CONTOH KEGIATAN PENELITIAN WILD



(A) Pelapukan pada batang. (B) Pelapukan pada akar yang dilihat dari atas. (C) Fungi sebagai indikator pelapukan

TERIMA KASIH

Save WILDLIFE with us!