

Dr Saritha Kittie Uda

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Asia Research Institute,
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SCIENCE, TECHNOLOGY AND SOCIETY

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CGSEA
CARBON GOVERNANCE IN SOUTHEAST ASIA

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Carbon Governance in Southeast Asia

TRANSBOUNDARY PEATLAND GOVERNANCE IN BORNEO

THE STAKEHOLDER MEETING FOR THE SHARING SESSION ON PEATLAND GOVERNANCE

CO-ORGANISED WITH THE INSTITUTE FOR BIODIVERSITY AND ENVIRONMENTAL RESEARCH, UNIVERSITI BRUNEI DARUSSALAM (IBER-UBD)
TROPICAL BIODIVERSITY CENTRE, SG. LIANG, BELAIT DISTRICT, *BRUNEI DARUSSALAM*

27 AUGUST 2026

INTRODUCTION



★ Palangka Raya,
Central Kalimantan, Indonesia

+ PEATLAND & BLACK WATER ECOSYSTEM

+ ORANG UTAN, RHINO

+ HEART OF BORNEO - LUNGS OF THE WORLD

+ “THOUSAND RIVERS”

- PEATLAND FIRES AND HAZE

- CO2 EMISSION SOURCE

- RIVERS POLLUTED BY MERCURY FROM GOLD MINING

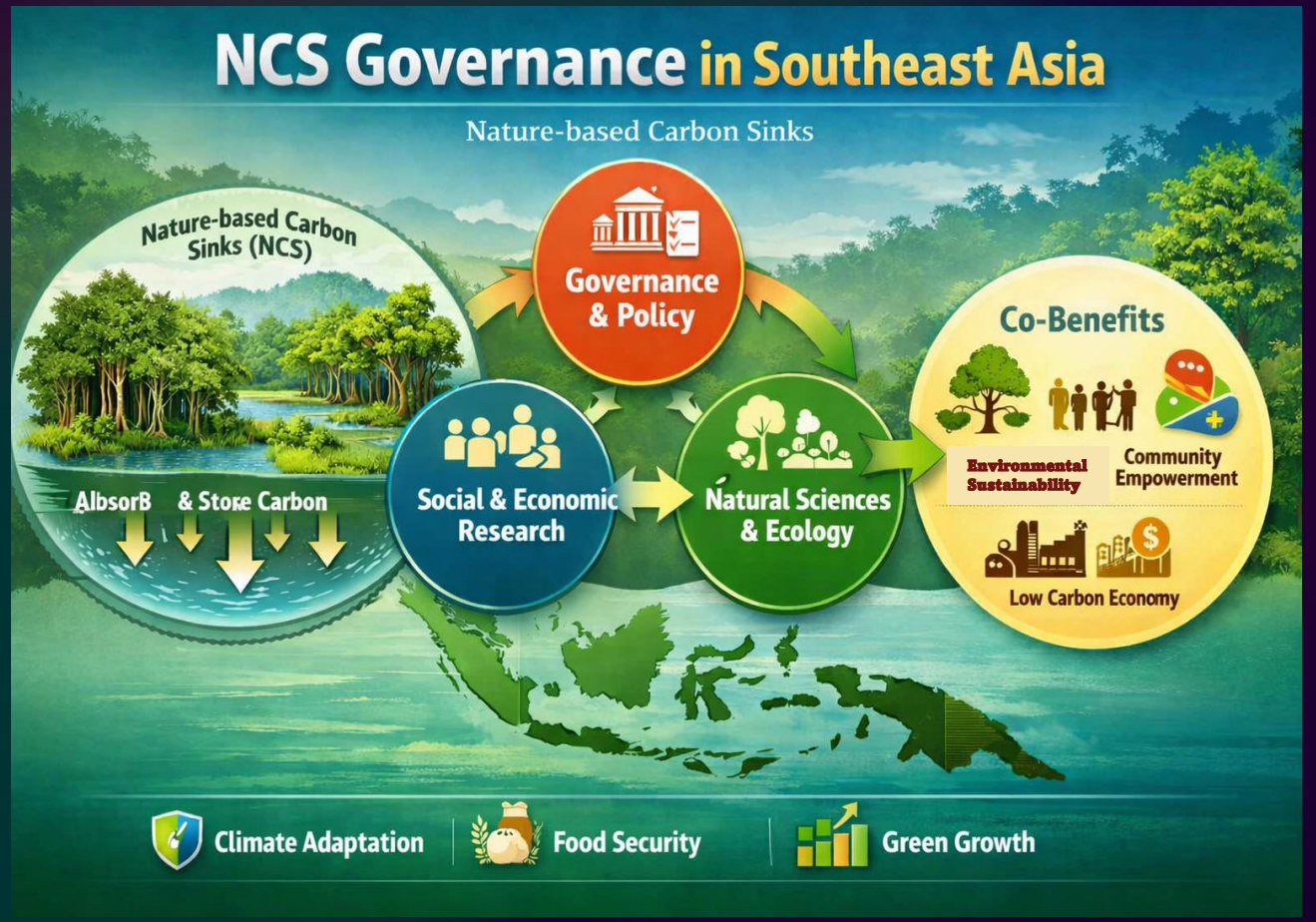




MY RESEARCH @ARI NUS

https://cgsea.org/peatlands-and-agricultural-soils/

- The Climate Governance of Nature-based Carbon Sinks in Southeast Asia project, focusing on the socio-ecological dynamics and sustainability of peatland management.
- Transboundary peatland governance in Borneo.
- Specific proposed location: Bornean peatlands [Indonesia (Kalimantan, Malaysia (Sabah & Sarawak) & Brunei].





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Peatlands and Agricultural Soils

https://cgsea.org/peatlands-and-agricultural-soils/



MY EXPERIENCES IN PEATLAND RESEARCH

MY EDUCATION

- **Doctor [Ph.D], Environmental Systems Analysis Chair Group, Environmental Sciences Department, Wageningen University & Research (WUR), the Netherlands.**
- **Master of Science (M.Sc.), Environmental Sciences Department, Wageningen University & Research (WUR), the Netherlands.**
- **Sarjana Sain (S.Si.), Biology Science [Biologi], Universitas Padjadjaran (UNPAD), Indonesia.**

Ph.D

SUSTAINABLE PEATLAND MANAGEMENT IN INDONESIA: TOWARDS BETTER UNDERSTANDING OF SOCIO-ECOLOGICAL DYNAMICS IN TROPICAL PEATLAND MANAGEMENT.

Scholarship: LPDP (The Indonesia Endowment Fund for Education), Ministry of Finance RI

M.Sc

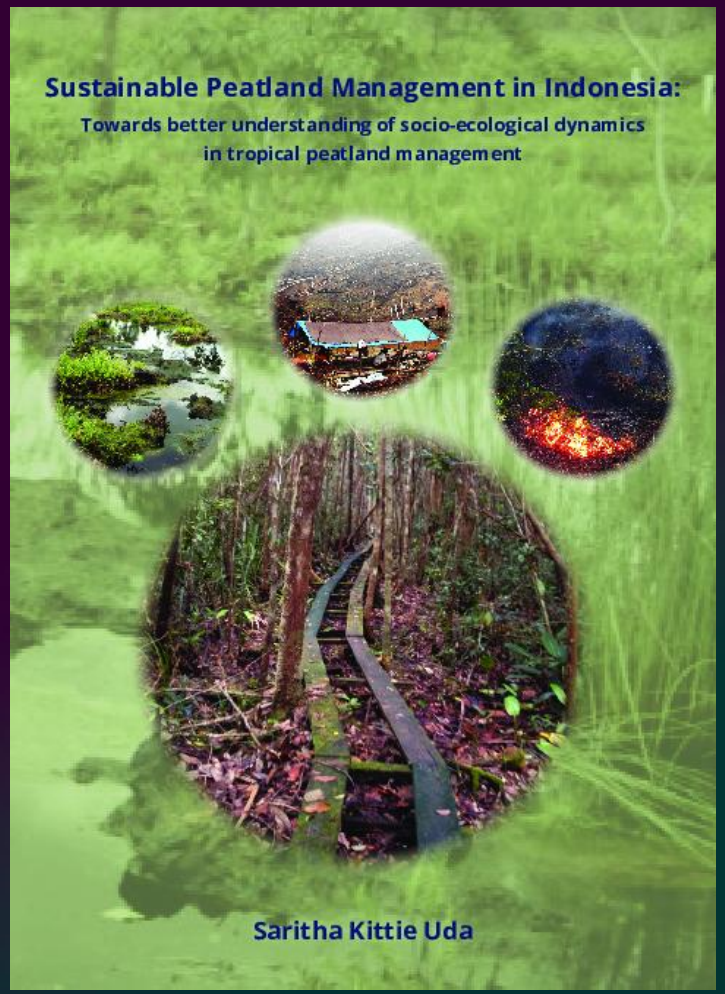
INTEGRATED ASSESSMENT OF PEATLAND FIRES IN INDONESIA: A CASE STUDY IN CENTRAL KALIMANTAN, INDONESIA.

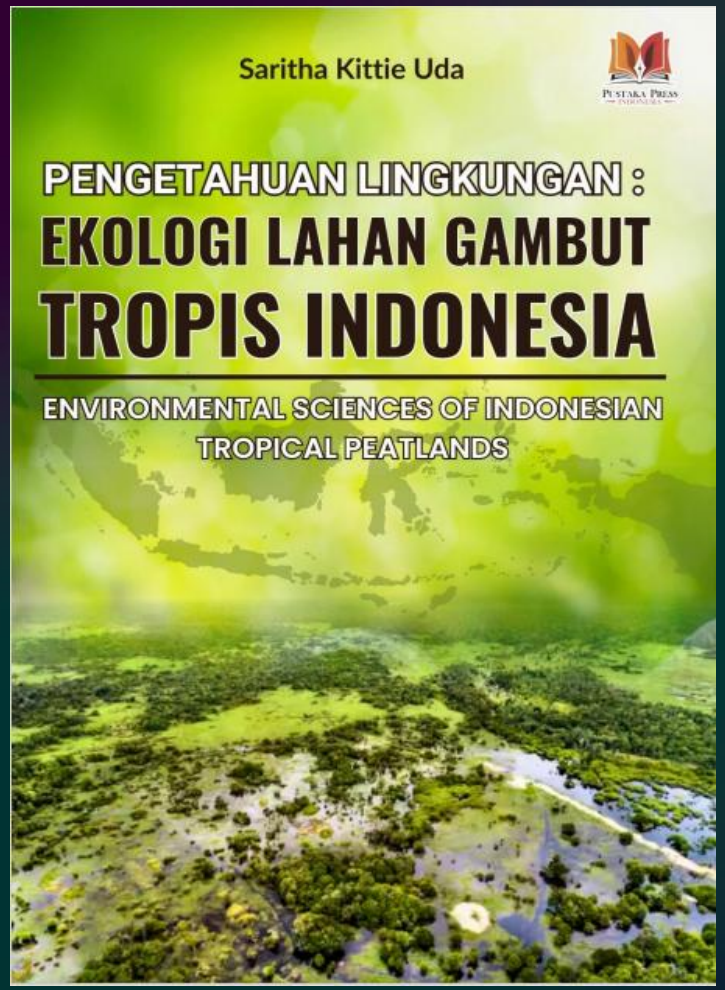
Scholarship: IIEF-Ford Foundation

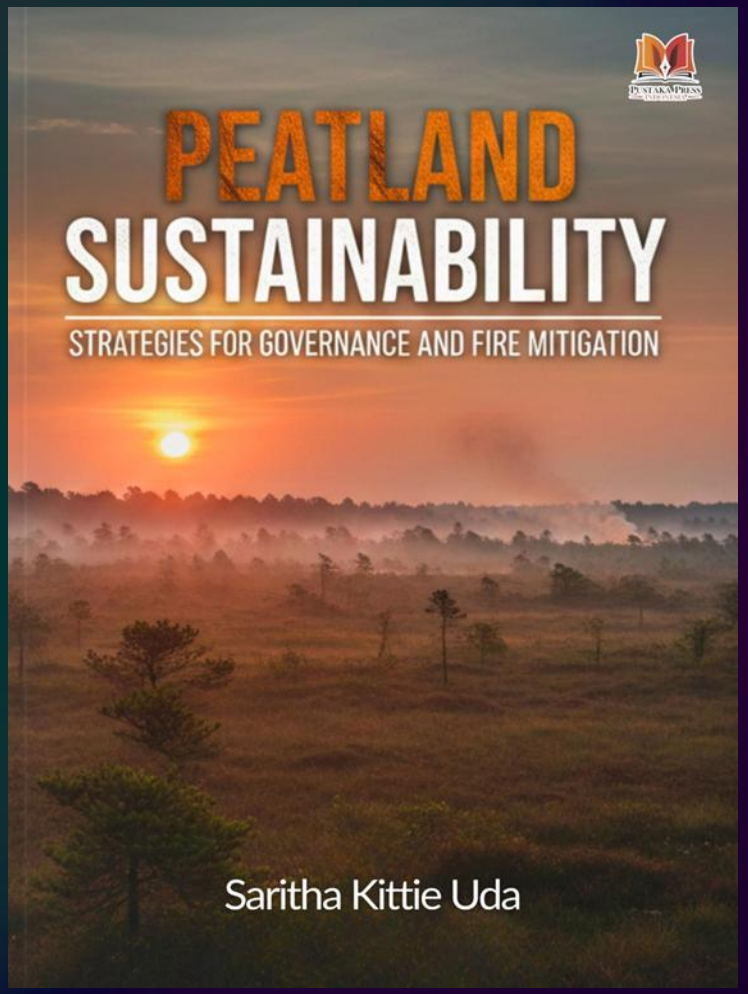
B.Sc

BACTERIAL POPULATION IN INLAND PEAT SOIL IN CENTRAL KALIMANTAN AND SUSCEPTIBILITY TEST OF PATHOGENIC *Escherichia coli* AND *Klebsiella pneumoniae* TO ANTIBIOTICS.

Articles, Books, & Booklets

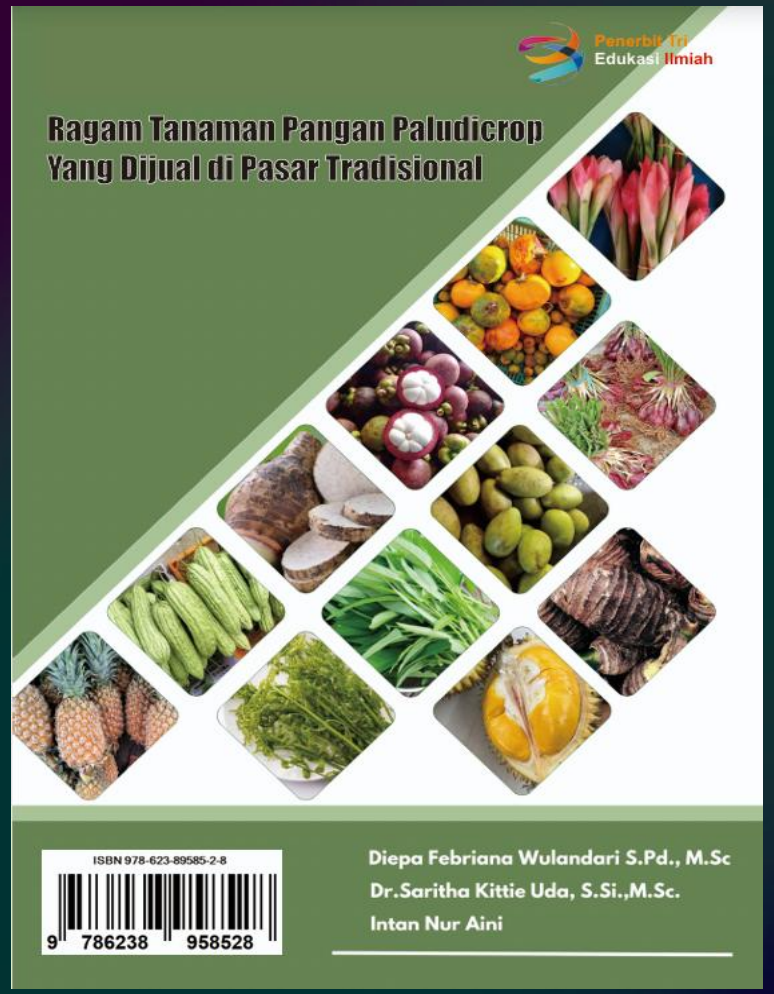


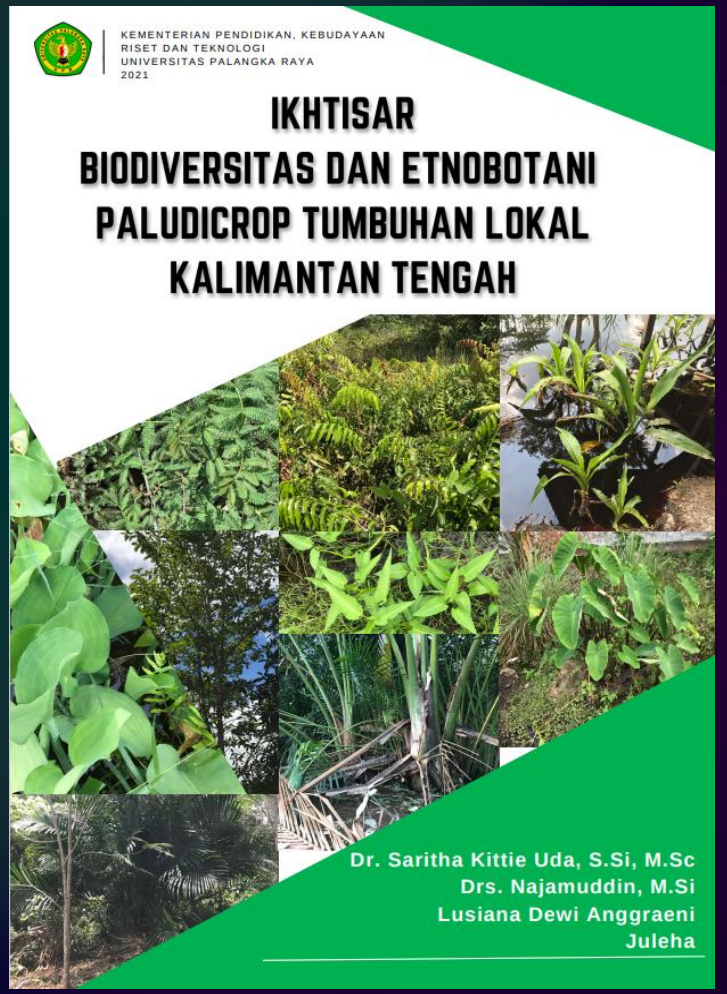




Articles, Books, & Booklets







FOCUS GROUP DISCUSSION

PEATLAND FIRES AND HAZE ISSUE



FOCUS GROUP DISCUSSION

1) Could you briefly share your activities related to peatland issues: what are the initiatives, progress, and challenges, and how do they differ from previous ones?

Bolehkah tuan/puan kongsikan secara ringkas aktiviti institusi berkaitan peat swamp: inisiatif, kemajuan, dan cabaran, serta perbezaannya dengan sebelum ini?

2) What forms of stakeholder cooperation related to peatland issues has your institution participated in, who were involved, and what key challenges has your institution faced?

Apakah bentuk kerjasama pemangku kepentingan berkaitan peat swamp yang telah disertai institusi tuan/puan, siapa yang terlibat, dan cabaran utama yang dihadapi?

3) What cross-border collaboration opportunities seem most effective?

Apakah peluang kolaborasi rentas sempadan yang dirasakan paling berkesan?

STAKEHOLDERS

A. Government

- Forestry Department-Ministry of Economy, Trade and Industry (METI).
- Department of Environment, Parks & Recreation-Ministry of Development/JASTRE
- Public Works Department/ Jabatan Kerja Raya (JKR)/DTS/BKTKS
- Brunei Fire & Rescue Department/Jabatan Bomba & Penyelamat
- Muzium Department/Jabatan Muzeum
- Butterfly Garden, Muzium Department/Jabatan Muzeum
- Belait District Office/Jabatan Daerah Belait
- Tutong District Office/ Jabatan Daerah Tutong Moha
- Instituti Mukim & Kampung (IMK), Jabatan Daerah Tutong (JDT)
- PPMR & KKR IMK JDT

STAKEHOLDERS

B. NGO & Academic

- Borneo Studies Network, Universiti Brunei Darussalam (BSN UBD)
- Wetlands International Brunei
- Green Brunei
- Institute For Biodiversity and Environmental Research, Universiti Brunei Darussalam (IBER UBD): Botanical Garden, Badas Peat Swamp Forest Research Site

STAKEHOLDERS

C. Private Sector

- SPI BN Sdn Bhd
- Brunei Shell Petroleum (BSP)
- Brunei LNG Sdn. Bhd.
- Hibiscus Petroleum EP Brunei B.V.
- Environmental Resources Management (ERM), Brunei

STAKEHOLDERS

D. Community

- Majlis Perundingan Kampung (MPK)
- Penghulu Mukim Seria
- Pemangku Penghulu Mukim Rambai
- Pemangku Ketua Kg Merimbun
- Pemangku Ketua Kg Benutan