Dr. Ir. Pindi Patana, S.Hut., M.Sc., IPU

Lecturer of Bachelor Degree of Forestry Study Program Study Program
Faculty of Forestry
Universitas Sumatera Utara

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Dr. Pindi Patana was born and raised in the small, cool town of Sukabumi on May 25, 1975. His elementary to high school education was taken in his hometown. His nature hobby led him to the Faculty of Forestry, Bogor Agricultural University to pursue his undergraduate degree in the Department of Forest Resources Conservation through an invitation route in 1993. He earned his Bachelor of Forestry degree in the 1998 reform era. Armed with a Bachelor of Forestry degree in 1999, Pindi applied as a young lecturer at the University of North Sumatra and together pioneered the establishment of the USU Forestry Science Program. His Master's degree was taken at the Tropical International Forestry Program, Georg August Universitat Zu Gottingen, Germany with a scholarship from DAAD (Deutscher Akademischer Austauschdienst) and graduated in 2006. He earned his doctoral degree in the Natural Resources and Environmental Management Program in 2022 at the University of North Sumatra. The engineering profession was obtained in 2024 at Gadjah Mada University, and in 2025 obtained the Principal Professional Engineer (IPU) qualification. Apart from teaching, Dr. Pindi is also active in various research and community service activities. He is also often involved in conservation activities organized by the government in the scope of forestry, both central and regional, as well as non-governmental organizations, especially those related to wildlife conservation issues, human and wildlife conflict and ecotourism. Dr. Pindi leads the scientific cluster on human and wildlife co-existence. The current mandate is Vice Dean II of the USU Faculty of Forestry for the 2021-2026 period.

Publications

2026
Artikel ilmiah

Agroforestry and the Resilience of Biodiversity within the Buffer Zone of Gunung Leuser National Park

PINDI PATANA , AGUS PURWOKO , NURDIN SULISTIYONO , Wanda Kuswanda

2026
Book chapter internasional

Global Biodiversity Loss

PINDI PATANA , Hadi S. Alikodra

2026
Prosiding seminar nasional

Karakteristik dan Respon Mitra Pengabdian Terhadap Budidaya Ternak Angsa di Desa Simalingkar A, Deli Serdang: Characteristics and Responses of Community Service Partners toÂ â¦

PINDI PATANA , AGUS PURWOKO , LUKMAN HAKIM , R. EDHY MIRWANDHONO

2026
Tulisan ilmiah

Karakteristik dan Respon Mitra Pengabdian Terhadap Budidaya Ternak Angsa di Desa Simalingkar A, Deli Serdang

PINDI PATANA , R. EDHY MIRWANDHONO , LUKMAN HAKIM , AGUS PURWOKO

2026
Koran/majalah populer/majalah umum

Petualangan si Penjaga Hutan Leuser

PINDI PATANA , Solfariana

2026
Prosiding seminar internasional

Identification of land cover in disturbed mangrove forests using Sentinel 2A satellite imagery

PINDI PATANA

2026
Prosiding seminar internasional

Development of nature-based tourism based on forest ecosystem potential in the Sipiso-Piso Tongging Geosite Area, Toba Global Geopark, Indonesia

PINDI PATANA

2025
Prosiding seminar internasional

Identification of land cover in disturbed mangrove forests using Sentinel 2A satellite imagery

NURDIN SULISTIYONO , PINDI PATANA

2025
Prosiding seminar internasional

How important is the Siranggas Wildlife Reserve for conservation of Sumatran tiger habitat?

PINDI PATANA , RAHMAD HIDAYAD , ACHMAD SIDDIK THOHA

2025
Prosiding seminar internasional

Monitoring of land cover changes due to illegal logging of mangrove forests using the threshold method of the vegetation index of Sentinel-2 satellite

PINDI PATANA

2025
Prosiding seminar internasional

How important is the Siranggas Wildlife Reserve for conservation of Sumatran tiger habitat?

PINDI PATANA

2025
Prosiding seminar internasional

Monitoring of land cover changes due to illegal logging of mangrove forests using the threshold method of the vegetation index of Sentinel-2 satellite

NURDIN SULISTIYONO , PINDI PATANA

2025
Prosiding seminar nasional

Multi Fungsi Tanaman Serai dalam Mendukung Pembangunan Berkelanjutan di Sekitar Kampus Kehutanan USU Bekala

PINDI PATANA

2025
Jurnal internasional bereputasi

Tracking Sumatran Tiger (Panthera tigris sumatrae Pocock, 1929) distribution in Gunung Leuser National Park: The influence of prey presence and environmental variables onÂ ...

PINDI PATANA

2025
Jurnal internasional bereputasi

Tracking Sumatran Tiger (Panthera tigris sumatrae Pocock, 1929) distribution in Gunung Leuser National Park: The influence of prey presence and environmental variables onÂ ...

PINDI PATANA

2025
Jurnal internasional bereputasi

Tracking Sumatran Tiger (Panthera tigris sumatrae Pocock, 1929) distribution in Gunung Leuser National Park: The influence of prey presence and

environmental variables on habitat selection

PINDI PATANA , Wanda Kuswanda

2025
Jurnal internasional bereputasi

Tracking Sumatran Tiger (Panthera tigris sumatrae Pocock, 1929) distribution in Gunung Leuser National Park: The influence of prey presence and environmental variables on habitat selection

AGUS PURWOKO , Muhammad Hadi Saputra , Salmah Widyastuti , Wanda Kuswanda , R. Taufiq Purna Nugraha , Hendra Helmanto , Nunu Anugrah , U Mamat Rahmat , Rudianto Saragih Napitu , Andrinaldi Adnan , Iskandarrudin , PINDI PATANA

2025
Jurnal internasional bereputasi

Community Participation in Mangrove Conservation and Ecosystem Assessment in Tanjung Rejo, Indonesia

MOHAMMAD BASYUNI , YUNASFI , KANSIH SRI HARTINI , PINDI PATANA

2025
Prosiding seminar internasional

Landuse of buffer zone in accommodating between community livelihood and habitat of Sumatran Tiger (Panthera tigris sumatrae) at Lau Damak Village, North Sumatera

PINDI PATANA

2025
Jurnal nasional terakreditasi

Developing nature tourism potency at buffer villages of Gunung Leuser National Park: case study of Bahorok Resort, Langkat Regency, North Sumatra

PINDI PATANA

2025
Prosiding seminar internasional

Landuse of buffer zone in accommodating between community livelihood and habitat of Sumatran Tiger (Panthera tigris sumatrae) at Lau Damak Village, North Sumatera

RAHMAWATY , PINDI PATANA

2024
Jurnal internasional bereputasi

Identfcaton and chemical compositon analysis of salt licks used by Sumatran Elephants Elephas maximus sumatranus in Tangkahan, Indonesia

PINDI PATANA

2024
Jurnal internasional bereputasi

Identification and chemical composition analysis of salt licks used by Sumatran Elephants Elephas maximus sumatranus in Tangkahan, Indonesia

KANIWA BERLIANI , PINDI PATANA

2024
Jurnal internasional bereputasi

Estimation of mangrove above-ground biomass and carbon stocks from unmanned aerial vehicle-imagery in restoration forest, Langkat District, Indonesia

ACHMAD SIDDIK THOHA , DWI LESTARI NALAI HULU , HARI AGUNG ADRIANTO , PINDI PATANA

2024
Prosiding seminar internasional

Communities Interaction with Sumatran Tiger (Panthera tigris sumatrae) in the Buffer Zone of Batang Gadis National Park

PINDI PATANA , Wanda Kuswanda , AGUS PURWOKO

2023
Jurnal nasional

Sources of community livelihoods and economic losses due to conflict with the

sumatran tiger (Panthera tigris sumatrae) in the buffer area of Batang Gadis National Park

PINDI PATANA

2023
Jurnal nasional

Sources of community livelihoods and economic losses due to conflict with the Sumatran Tiger (Panthera tigris sumatrae) in the buffer area of Batang Gadis National Park

PINDI PATANA

2023
Jurnal nasional

Sources of community livelihoods and economic losses due to conflict with the Sumatran Tiger (Panthera tigris sumatrae) in the buffer area of Batang Gadis National Park

PINDI PATANA , NURUL FAHMA

2023
Jurnal internasional

Willingness to Pay Analysis, Ideal Price and Determinants of Visitor Entrance Ticket Prices in Tangkahan Nature Tourism Area, Gunung Leuser National Park

AGUS PURWOKO , PINDI PATANA

2023
Jurnal internasional

Willingness to Pay Analysis, Ideal Price and Determinants of Visitor Entrance Ticket Prices in Tangkahan Nature Tourism Area, Gunung Leuser National Park

PINDI PATANA , ISKANDAR MUDA , AGUS PURWOKO

2022
Buku lainnya

Dinamika Kemajuan Dalam Studi Pembangunan Pertanian: Membangun Kesadaran dan Pengembangan Inovasi Pertanian

PINDI PATANA

2022
Prosiding seminar internasional

Visitor valuation for natural tourism development in Simarjarunjung, North Sumatra, Indonesia

AGUS PURWOKO , PINDI PATANA

2022
Prosiding seminar internasional

Feed management and health condition of Sumatran Elephant (Elephas maximus sumatranus) in Conservation Response Unit (CRU), Tangkahan, Langkat, North Sumatra

KANIWA BERLIANI , PINDI PATANA

2022
Prosiding seminar nasional

Upaya Membangun Harmoni Penghidupan Manusia dan Konservasi Harimau Sumatera Melalui Program Desa Binaan USU di Timbang Lawan, Kabupaten Langkat

ODING AFFANDI , PINDI PATANA

2022
Artikel ilmiah

Upaya Membangun Harmoni Penghidupan Manusia dan Konservasi Harimau Sumatera melalui Program Desa Binaan USU di Timbang Lawan, Kabupaten Langkat

PINDI PATANA , TATI VIDIANA SARI

2022
Jurnal nasional terakreditasi

Analysis of Financial Feasibility and Added Value of Mangrove Plants Processed Product: A Case Study in Kampung Nipah, North Sumatra Province, Indonesia

AGUS PURWOKO , PINDI PATANA

2022
Prosiding seminar internasional

Conservation of Salt Lick Locations Utilized by Sumatran Elephant (Elephas Maximus-Sumatranus) in Tangkahan, North Sumatra

PINDI PATANA , KANIWA BERLIANI

2022
Prosiding seminar internasional

Economic valuation of green open space (GOS) as climate change mitigation

NURDIN SULISTIYONO , PINDI PATANA

2022
Prosiding seminar internasional

Potential food plants around salt licks for Sumatran elephant (Elephas maximus sumatranus) in Tangkahan Conservation Response Unit (CRU) area

KANIWA BERLIANI , PINDI PATANA

2021
Prosiding seminar nasional

Perencanaan Tapak Ekowisata Menggunakan Teknologi Drone di Desa Timbang Lawan Kecamatan Bahorok Kabupaten Langkat Sumatera Utara

PINDI PATANA

2021
Prosiding seminar internasional

Biodiversity of birds and mammals in the Lake Siombak ecosystem, Medan North Sumatra

PINDI PATANA , AHMAD MUHTADI

2021
Prosiding seminar internasional

Integration of conservation and economic development in Gunung Leuser National Park

AGUS PURWOKO , PINDI PATANA , ULIL AMRI DAULAY

2021
Prosiding seminar internasional

Causal loop of system thinking in mitigating human tiger conflict based livelihood around Leuser

YUNUS AFIFUDDIN , NURDIN SULISTIYONO , PINDI PATANA

2020
Prosiding seminar internasional

Application of landsat 8 sattelite imagery for estimated distribution of above ground carbon in Percut Sei Tuan forest landscape

PINDI PATANA , NURDIN SULISTIYONO

2020
Prosiding seminar internasional

Spatial Model of above Ground Carbon Distribution of Mangrove in Wildlife Reserve of Karang Gading dan Langkat Timur Laut using Landsat 8 Satellite Imagery.

NURDIN SULISTIYONO , PINDI PATANA

2020
Prosiding seminar internasional

Mapping of tree damage classification in the western part of Medan City green belts using geographic information system. IOP Conference Series: Earth and EnvironmentalÂ ScienceÂ ...

RAHMAWATY , PINDI PATANA

2019
Jurnal nasional

Land Cover Change and Deforestation Characteristics in The Management Section of National Park (MSNP) VI Besitang, Gunung Leuser National Park

PINDI PATANA , ARIDA SUSILOWATI , NURDIN SULISTIYONO

2019
Prosiding seminar internasional

Spatial Model of Canopy Density in Mangrove Forest of Percut Sei Tuan

ACHMAD SIDDIK THOHA , PINDI PATANA , NURDIN SULISTIYONO

2019
Prosiding seminar internasional

Monitoring the Spatial Distribution of Mangrove Ecosystem Damage in Percut Sei Tuan

ACHMAD SIDDIK THOHA , PINDI PATANA , NURDIN SULISTIYONO

2018
Prosiding seminar internasional

Mapping of tree damage classification in the western part of Medan City green belts using geographic information system. IOP Conference Series: Earth and Environmental ScienceÂ ...

PINDI PATANA

2018
Prosiding seminar internasional

Conceptual Model for Mitigating Humanâ€“Wildlife Conflict based on System Thinking

MAYA SILVI LYDIA , HERMAN MAWENGKANG , PINDI PATANA

2018
Prosiding seminar internasional

Spatial Model of above Ground Carbon Distribution of Mangrove in Wildlife Reserve of Karang Gading dan Langkat Timur Laut using Landsat 8 Satellite Imagery.

PINDI PATANA

2017
Jurnal internasional

Spatial Analysis on Distribution of Green Belt to Reduce Impacts Of Climate Change in Medan City, North Sumatra

PINDI PATANA

2017
Jurnal internasional bereputasi

Spatial Analysis Distributon of Green Belt to reduce Impact Of Climate Chane in Medan City, North Sumatera, Indonesia

SITI LATIFAH , PINDI PATANA , RAHMAWATY

2016
Jurnal nasional

POTENSI BIOMASSA PERMUKAAN TANAH PADA JALUR HIJAU DI KOTA MEDAN

SITI LATIFAH , PINDI PATANA , RAHMAWATY

2016
Jurnal nasional terakreditasi

Morfometri Danau Kelapa Gading Kota Kisaran, Kabupaten Asahan Provinsi Sumatera Utara

PINDI PATANA , AHMAD MUHTADI

2016
Jurnal nasional

Struktur Komunitas Makrozoobentos sebagai Indikator Perubahan Kualitas

Perairan di Sungai Belawan Kecamatan Pancur Batu Kabupaten Deli Serdang

PINDI PATANA

2015
Prosiding seminar internasional

In Searching of Trees Natural Vibration Frequency Based on Granular Particles Interactions and Vibration

PINDI PATANA

2015
Buku lainnya

Revitalisasi Pengelolaan Hutan berbasis KPH dan Mendukung GeoparkKaldera Toba

SAMSURI , SITI LATIFAH , PINDI PATANA , ARIDA SUSILOWATI , KANSIH SRI HARTINI , LUKMAN HAKIM , MOHAMMAD BASYUNI

2012
Prosiding seminar internasional

Can initiatives of local community in developing ecotourism offer a better livelihood opportunity and sustain biodiversity conservation of gunung leuser national park?: LessonsÂ ...

PINDI PATANA

Researches

2025
Penelitian Tim Pasca Sarjana

Pemodelan Spasial Dinamis Kandungan Biomassa Mangrove Terganggu

PINDI PATANA , NURDIN SULISTIYONO

2021
Penelitian Strategis Nasional

Lokasi dan Pola Perilaku Menggaram (Salt Lick) pada Gajah Sumatera (Elephas maximus-sumatranus) di Kawasan Conservation Response Unit (CRU) Tangkahan, Langkat, Sumatera Utara

PINDI PATANA , KANIWA BERLIANI

2021
Penelitian Unggulan Perguruan Tinggi

Studi Karakteristik dan Potensi Objek Wisata Alam di Sumatera Utara untuk Mendukung Destinasi Super Prioritas Nasional Danau Toba

PINDI PATANA , AGUS PURWOKO , CINDY SIAHAAN , DWITA ANGELIA BR GURUSINGA , REZA IRFANSYAH PUTRA

2020
Penelitian Strategis Nasional

Lokasi dan Pola Perilaku Menggaram (Salt Lick) pada Gajah Sumatera (Elephas maximus-sumatranus) di Kawasan Conservation Response Unit (CRU) Tangkahan, Langkat, Sumatera Utara

PINDI PATANA , KANIWA BERLIANI

2019
Penelitian Unggulan Perguruan Tinggi

MODEL KONSERVASI HUTAN SEBAGAI CADANGAN KARBON DAN HABITAT SATWA LIAR DI LANSKAP HUTAN BESITANG

PINDI PATANA , NURDIN SULISTIYONO , AGUS PURWOKO

2018
Penelitian Dana Lokal Perguruan Tinggi

MODEL SPASIAL DINAMIS DAN DISTRIBUSI SPASIAL KARBON PADA LANSKAP HUTAN MANGROVE

PINDI PATANA , NURDIN SULISTIYONO

2018

Penelitian Unggulan Perguruan Tinggi

MODEL KONSERVASI HUTAN SEBAGAI CADANGAN KARBON DAN HABITAT SATWA LIAR DI LANSKAP HUTAN BESITANG

PINDI PATANA , NURDIN SULISTIYONO

2017
Penelitian Dana Lokal Perguruan Tinggi

Pola dan Model Spasial Deforestasi di Lanskap Hutan Mangrove

PINDI PATANA , NURDIN SULISTIYONO , ACHMAD SIDDIK THOHA

2017
Penelitian Unggulan Perguruan Tinggi

MODEL KONSERVASI HUTAN SEBAGAI CADANGAN KARBON DAN HABITAT SATWA LIAR DI LANSKAP HUTAN BESITANG

PINDI PATANA , NURDIN SULISTIYONO

2009
Penelitian Strategis Nasional

FUNGSI EKOLOGIS DAN PENGELOLAAN SUMBERDAYA LAHAN MANGROVE UNTUK MITIGASI CO2 DAN PELESTARIAN BIODIVERSITAS DI PESISIR TIMUR SUMATERA UTARA

PINDI PATANA , NURDIN SULISTIYONO , ONRIZAL

Community Services

2026

Pemberdayaan Masyarakat melalui Gerakan Konservasi Hutan dan Penanaman 1.000 Pohon di Desa Suka Makmur, Kecamatan Kutalimbaru, Kabupaten Deli Serdang Bersama PERWAKU Sumatera Utara

RIDAHATI RAMBEY , PINDI PATANA , BEJO SLAMET , MA RIFATIN ZAHRAH , IWAN RISNASARI , NURDIN SULISTIYONO

2026

Development of Innovative Cocoa Processing through the Utilization of Local Marine Resources

PINDI PATANA , SAMADI

2025

Peran Perempuan dalam Budidaya Ternak Angsa untuk Mendukung Ketahanan Pangan dan Agrowisata Edukasi di Desa Simalingkar A, Kec. Pancur Batu, Kabupaten Deli serdang

PINDI PATANA , AGUS PURWOKO , LUKMAN HAKIM , R. EDHY MIRWANDHONO

2024

SUSUNAN STRUKTUR KEPENGURUSAN BADAN KEMAKMURAN MASJID (BKM) AN-NUR FAKULTAS KEHUTANAN USU BEKALA

PINDI PATANA , ORANG KAYA HASNANDA SYAHPUTRA

2025

Peran Perempuan dalam Budidaya Ternak Angsa untuk Mendukung Ketahanan Pangan dan Agrowisata Edukasi di Desa Simalingkar A, Kec. Pancur Batu, Kabupaten Deli Serdang

PINDI PATANA

2024

PENANAMAN SERAI WANGI DI SEKITAR KAMPUS KEHUTANAN USU BEKALA

PINDI PATANA , ACHMAD SIDDIK THOHA , RUDI HARTONO , LUKMAN HAKIM , THOYIBAH POHAN , KIRANA ARVIANTI ALI

2024

Penanaman Sere Wangi Di Sekitar Kampus Kehutanan USU Bekala

PINDI PATANA , ACHMAD SIDDIK THOHA , RUDI HARTONO , LUKMAN HAKIM , THOYIBAH POHAN , KIRANA ARVIANTI ALI

2022

Pelatihan Manajemen Wisata Alam di Obyek Wisata Pantai Mangrove Kampung Nipah, Desa Sei Nagalawan, Serdang Bedagai, Sumatera Utara

PINDI PATANA , KANSIH SRI HARTINI , MA RIFATIN ZAHRAH , DESI RAPINA SINAGA , VIKA DIAN NITAMI NASUTION , JEFFERY SINAGA , ADE NURUL FADHILAH TUMANGGOR , BAYU NUR PRASETYO

2023

MEMBANGUN KEMANDIRIAN DESA DALAM MITIGASI KONFLIK MANUSIA DAN HARIMAU DI DESA TIMBANG LAWAN, KECAMATAN BAHOROK, KABUPATEN LANGKAT

PINDI PATANA , NURDIN SULISTIYONO

2021

Pelatihan Manajemen Wisata Alam di Lokasi Food Estate Desa Ria ria Pollung Humbang Hasundutan Sumatera Utara

PINDI PATANA , KANSIH SRI HARTINI , MA RIFATIN ZAHRAH

2020

Ipteks Bagi Masyarakat

DESA NELAYAN PELOPOR EKOWISATA BERKELANJUTAN DAN PENCETAK ATLIT DAYUNG

ACHMAD DELIANUR NASUTION , PRIHATIN LUMBANRAJA , PINDI PATANA , ZULHAM APANDY HARAHAP

Intellectual Property Rights

2025

Hak cipta nasional

Karya Sinematografi Ternak Angsa LPPM USU di Desa Simalingkar A

PINDI PATANA , LUKMAN HAKIM , AGUS PURWOKO , R. EDHY MIRWANDHONO

2025

Hak cipta nasional

Serai Kampus Kehutanan USU Bekala

RUDI HARTONO , ACHMAD SIDDIK THOHA , LUKMAN HAKIM , PINDI PATANA

2024

Hak cipta nasional

Peta Estimasi Karbon Diatas Permukaan Tanah Di Hutan Restorasi Mangrove Kabupaten Langkat Sumatera Utara 2024

PINDI PATANA , ACHMAD SIDDIK THOHA