

Dr. Nurdin Sulistiyono, S.Hut., M.Si.

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Faculty of Forestry
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🌐 fhut.usu.ac.id/en/lecturer/nurdin-sulistiyono

Nurdin Sulistiyono, was born in Banjarnegara on July 27, 1975. Since 2000, he has worked as a lecturer at the USU Faculty of Forestry Undergraduate Program in Forestry. His areas of expertise and research are related to geospatial analysis and environmental monitoring, environmental services, and landscape ecology. Much of Dr. Nurdin's research has been related to land cover change modeling, dynamic spatial modeling, spatial modeling of animal habitat, spatial modeling of human-animal conflict vulnerability, spatial modeling of disaster vulnerability, carbon distribution modeling, utilization of remote sensing passive sensors (optical) and active sensors (RADAR) for forest and environmental monitoring such as deforestation and forest degradation, economic valuation of forest environmental services, sustainable landscape management analysis and mangrove ecosystem service management.

Dr. Nurdin actively teaches in the USU Faculty of Forestry Undergraduate Program in Forestry in environmental spatial analysis, forestry statistics, landscape ecology, environmental services, forest valuation, and conservation area management. Nurdin also teaches at the USU Master's Program in Forestry in statistical analysis, disaster mitigation of climate change impacts, ecotourism management and environmental services conservation, and economic valuation of forest ecosystem services. Nurdin also actively teaches at USU's Master of Regional and Rural Development Planning (PWD) Program in Geographic Information Systems (GIS) and planning studio courses. In addition, Nurdin has also been a non-permanent lecturer at the Agricultural Development Polytechnic (POLBANGTAN) Medan in the course of Precision Plantation Instruments since 2018.

Nurdin is active in community service activities, especially in 2 USU assisted villages, namely Lubuk Kertang Village, Langkat Regency, in terms of mangrove ecosystem management and monitoring, and Timbang Lawan Village, Langkat Regency, in terms of mitigating animal conflicts with humans through restoration activities and ecotourism utilization.

Besides actively teaching, conducting research, and community service, Dr. Nurdin is currently active in the USU Mangrove Science and Technology Center of Excellence (PUI), and serves as the Research Coordinator for Mangrove Restoration, Conservation and Management. Dr. Nurdin is also a member of various professional associations such as MAPIN (Indonesian Remote Sensing Society), ISME (International Society for Mangrove Ecosystem), MBI (Indonesian Biodiversity Society), PII (Indonesian Engineers Association), and ADI (Indonesian Lecturers Association).

Publications

2026

Jurnal internasional bereputasi

Integrating Machine Learning with Sentinel-2 Imagery for Mangrove Health Index Assessment

NURDIN SULISTIYONO , SAHID AGUSTIAN HUDJIMARTSU , PUTRI YULI UTAMI , Arif Kurnia Wijayanto

2026

Jurnal internasional bereputasi

Optimizing local maxima parameters for UAV-based detection of Pinus merkusii in tropical forest plantations

MUHAMMAD RISZA PURNOMO , Veronica Sianturi , SAHID AGUSTIAN HUDJIMARTSU , IKSAL YANUARSYAH , NURDIN SULISTIYONO

2025

Jurnal internasional

Analysis of Mangrove Health Predictions Using the Random Forest Regression Method

NURDIN SULISTIYONO , ERWIN HERMAWAN , SAHID AGUSTIAN HUDJIMARTSU

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

Land Cover Change and Estimated Habitat Connectivity of Tapanuli Orangutans Outside the 2016 PHVA Population Distribution

NURDIN SULISTIYONO , SRI SUCI UTAMI

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
Jurnal nasional terakreditasi

Community Empowerment of Perlis Village, West Brandan, Langkat through Mangrove Restoration and Clean Water Supply Activities : Pemberdayaan Masyarakat Desa Perlis, Brandan Barat, Langkat melalui Kegiatan Pemulihan Mangrove dan Penyediaan Air Bersih

NURDIN SULISTIYONO

2025
Buku referensi

Dari Akar ke Angin Mangrove dalam Lintasan Krisis dan Harapan

MOHAMMAD BASYUNI , OADING AFFANDI , CECEP KUSMANA , ERNI JUMILAWATY , NURDIN SULISTIYONO , RIDWANTI BATUBARA , ARIF NURYAWAN , ARIDA SUSILOWATI , APRI HERI ISWANTO , IWAN RISNASARI , ETTI SARTINA SIREGAR , AHMAD BAIQUNI RANGKUTI , BEJO SLAMET , AMEILIA ZULIYANTI SIREGAR

2025
Jurnal nasional

Community Empowerment of Perlis Village, West Brandan, Langkat through Mangrove Restoration and Clean Water Supply Activities: Pemberdayaan Masyarakat Desa Perlis, BrandanÂ ...

NURDIN SULISTIYONO , MOHAMMAD BASYUNI

2025
Jurnal internasional bereputasi

Abiotic drivers of mudflat colonization by mangroves in Indonesia: a knowledge base to support ecological restoration

MOHAMMAD BASYUNI , BEJO SLAMET , NURDIN SULISTIYONO

2025
Jurnal internasional

Impact of District Road Rehabilitation on Vehicle Operating Costs and Accessibility in Garoga District, North Tapanuli Regency, Indonesia

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2025
Jurnal internasional

Impact of District Road Rehabilitation on Vehicle Operating Costs and Accessibility in Garoga District, North Tapanuli Regency, Indonesia

NURDIN SULISTIYONO

2025
Jurnal nasional

The Mediating Role of Perceived Public Service Quality in the Influence of Sectoral Budget Allocations on Human Development Index in Langkat Regency, Indonesia

NURDIN SULISTIYONO

2025
Jurnal internasional bereputasi

Development Priority Policies for Impact Control and the Recovery of Natural Tourism in the Wake of the COVID-19 Pandemic in North Sumatra Province, Indonesia

MUHAMMAD ARIFIN NASUTION , AGUS PURWOKO , NURDIN SULISTIYONO

2025
Jurnal internasional

The Impact of the Karo-Langkat Bypass Road Development on Land Cover Dynamics and Suitability Evaluation

NURDIN SULISTIYONO

2025
Prosiding seminar internasional

Correlation analysis of biophysical factors with the spatial distribution of human-sumatran orangutan (Pongo abelii) conflicts

NURDIN SULISTIYONO

2025
Prosiding seminar internasional

Analysis of community perceptions and behaviors towards forest environmental services in mitigating human-wildlife conflicts

NURDIN SULISTIYONO

2024
Jurnal internasional bereputasi

Assessing sediment CO² effluxes in the coastal ecosystem of North Sumatra, Indonesia

BEJO SLAMET , MOHAMMAD BASYUNI , NURDIN SULISTIYONO , DENI ELFIATI , SALMA SAFRINA HASHILAH , RIZKA AMELIA , YUNTHA BIMANTARA , MIKRAJNI HARAHAP

2024
Jurnal internasional bereputasi

Assessing sediment CO₂ effluxes in the coastal ecosystem of North Sumatra, Indonesia

NURDIN SULISTIYONO , DENI ELFIATI , SALMA SAFRINA HASHILAH , MIKRAJNI HARAHAP , BEJO SLAMET , MOHAMMAD BASYUNI

2024
Jurnal nasional

Kelulut (Trigona spp) Cultivation to Increase Production and Additional Income of Mangrove Ecotourism Peduli Pesisir Farmer Groups, Beras Basah Village, Pangkalan Susu SubÂ ...

MOHAMMAD BASYUNI , ERNI JUMILAWATY , ARIF NURYAWAN , ETTI SARTINA SIREGAR , NURDIN SULISTIYONO , ALFIAN MUBARAQ , A. AZNAN AZNAWI , BEJO SLAMET

2024
Jurnal nasional

Kelulut (Trigona spp) Cultivation to Increase Production and Additional Income of Mangrove Ecotourism Peduli Pesisir Farmer Groups, Beras Basah Village, Pangkalan Susu SubÂ ...

NURDIN SULISTIYONO , MOHAMMAD BASYUNI , ERNI JUMILAWATY , BEJO SLAMET , ARIF NURYAWAN , ETTI SARTINA SIREGAR

2024
Jurnal internasional bereputasi

Abiotic drivers of mudflat colonization by mangroves in Indonesia: a knowledge base to support ecological restoration

NURDIN SULISTIYONO

2024
Prosiding seminar internasional

Maximum Entropy Modelling for Sumatran Orangutan Habitat Suitability in Ketambe Research Station

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2024
Prosiding seminar internasional

Maximum Entropy Modelling for Sumatran Orangutan Habitat Suitability in Ketambe Research Station

ZUMAIDAR , NURDIN SULISTİYONO , MUHAMMAD ALFARABI , Nurul Islamidini

2024
Prosiding seminar internasional

Identification of mangrove forests using Sentinel-1 Synthetic Aperture Radar (SAR) satellite imagery in Medan Belawan District, Medan City

NURDIN SULISTİYONO , PUTRI YULI UTAMI , SAHID AGUSTIAN HUDJIMARTSU

2024
Prosiding seminar internasional

The low diversity of vegetation seedling and sapling threatening the tree existence at the university green space of Universitas Sumatera Utara, Indonesia

MARIAH ULFA , NURDIN SULISTİYONO , SURI FADHILLA

2024
Prosiding seminar internasional

The low diversity of vegetation seedling and sapling threatening the tree existence at the university green space of Universitas Sumatera Utara, Indonesia

MARIAH ULFA , NATALIA TUMANGGER , RIZKY HIDAYAH SARAGIH , ABIGAIL NAFTALI GULTOM , SURI FADHILLA , NURDIN SULISTİYONO

2024
Prosiding seminar internasional

Spatial Distribution of Tidal Floods Using Geographic Information System (GIS) in Medan Belawan District

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2024
Jurnal nasional

Identification of the Potential for Development of the Rainforest Lodges Kedah Ecotourism Area, Gayo Lues District, Aceh Province

NURDIN SULISTİYONO , ACHMAD SIDDIK THOHA

2024
Jurnal nasional terakreditasi

Pemodelan Spasial Daerah Rawan Kebakaran Hutan dan Lahan Pada Kabupaten Karo Menggunakan Metode Analytical Hierarchy Process

MUHAMMAD AMSYAR KOEDADIRI , NURDIN SULISTİYONO , AGUS PURWOKO

2024
Jurnal nasional terakreditasi

Pemodelan Spasial Daerah Rawan Kebakaran Hutan dan Lahan Pada Kabupaten Karo Menggunakan Metode Analytical Hierarchy Process

NURDIN SULISTİYONO , AGUS PURWOKO

2024
Jurnal internasional bereputasi

Assessing the Impact of Road Construction on the Sumatran Orangutan (Pongo abelii) Habitat in Pakpak Bharat District from 2003 to 2022

NURDIN SULISTİYONO

2024
Prosiding seminar internasional

Identification of mangrove forests using Sentinel-1 Synthetic Aperture Radar (SAR) satellite imagery in Medan Belawan District, Medan City

NURDIN SULISTİYONO , SAHID AGUSTIAN HUDJIMARTSU , PUTRI YULI UTAMI

2024
Prosiding seminar internasional

The low diversity of vegetation seedling and sapling threatening the tree existence at the university green space of Universitas Sumatera Utara,

2023

Jurnal internasional bereputasi

Carbon Stock and CO₂ Fluxes in Various Land Covers in Karang Gading and Langkat Timur Laut Wildlife Reserve, North Sumatra, Indonesia

NURDIN SULISTIYONO

2023

Jurnal internasional bereputasi

Carbon Stock and CO₂ Fluxes in Various Land Covers in Karang Gading and Langkat Timur Laut Wildlife Reserve, North Sumatra, Indonesia

NURDIN SULISTIYONO , MOHAMMAD BASYUNI

2023

Jurnal internasional bereputasi

Aboveground biomass and carbon stock estimation using UAV photogrammetry in Indonesian mangroves and other competing land uses

SYAIFUL EDDY , NURDIN SULISTIYONO , MOHAMMAD BASYUNI , Anindya Wirasatriya , ELHAM SUMARGA , BEJO SLAMET

2023

Prosiding seminar internasional

The Economic Value of Forest Environmental Services for Mitigating Human-Wildlife Conflict in the Village Around Management Section of National Park (MNSP) VI Besitang, GunungÂ ...

NURDIN SULISTIYONO

2023

Prosiding seminar internasional

The Economic Value of Forest Environmental Services for Mitigating Human-Wildlife Conflict in the Village Around Management Section of National Park (MNSP) VI Besitang, Gunung Leuser National Park

GUNPLAWAN LUMBAN TOBING , NURDIN SULISTIYONO , SUNDARI MARSUDI , MUHDARIL AHDA , AINUN ZAHIRAH , WITA ASMANIJAR

2023

Prosiding seminar internasional

Economic Loss Value of Human-wildlife Conflict at the Management Section of National Park (MSNP) VI Besitang, Gunung Leuser National Park (GLNP)

NURDIN SULISTIYONO , SUNDARI MARSUDI , MUHDARIL AHDA , WITA ASMANIJAR , GUNPLAWAN LUMBAN TOBING , AINUN ZAHIRAH

2023

Jurnal internasional bereputasi

Nutritional values of Avicennia marina leaves and its application as fodder for Kacang goat (Capra aegagrus)

BEJO SLAMET , NURDIN SULISTIYONO , MOHAMMAD BASYUNI

2023

Jurnal internasional bereputasi

Analysis of the relationship between urban heat island (UHI) phenomenon and land cover change in Medan city using Landsat satellite imagery

NURDIN SULISTIYONO

2023

Jurnal internasional bereputasi

Above Ground Carbon Estimation Using Sentinel-1B RADAR Satellite Imagery

NURDIN SULISTIYONO

2023

Jurnal internasional bereputasi

Evaluation of Plant Growth and Potential of Carbon Storage in the Restored Mangrove of an Abandoned Pond in Lubuk Kertang, North Sumatra, Indonesia

NURDIN SULISTIYONO , MOHAMMAD BASYUNI , BEJO SLAMET

2022
Prosiding seminar internasional

Application of sentinel 2A satellite imagery for the estimation of canopy cover spatial distribution at mangrove vegetation

NURDIN SULISTIYONO

2022
Prosiding seminar internasional

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

NURDIN SULISTIYONO , PINDI PATANA

2022
Jurnal internasional bereputasi

Dynamic System for Silvofishery Pond Feasibility in North Sumatera, Indonesia

BEJO SLAMET , NURDIN SULISTIYONO , MOHAMMAD BASYUNI

2022
Jurnal internasional bereputasi

Analysis of land cover changes due to forest fires in Gunung Leuser National Park, North Sumatra Province, Indonesia

NURDIN SULISTIYONO , ACHMAD SIDDIK THOHA

2022
Prosiding seminar nasional

RESTORASI KAWASAN RAWAN KONFLIK SATWA HARIMAU DENGAN MANUSIA MELALUI PENANAMAN TANAMAN MPTS (MULTI PURPOSE TREE SPICIES) DI DESA TIMBANG LAWAN, KABUPATEN LANGKAT

NURDIN SULISTIYONO

2021
Prosiding seminar nasional

RESTORASI KAWASAN RAWAN KONFLIK SATWA HARIMAU DENGAN MANUSIA MELALUI PENANAMAN TANAMAN MPTS (MULTI PURPOSE TREE SPICIES) DI DESA TIMBANG LAWAN, KABUPATEN LANGKAT

ODING AFFANDI , NURDIN SULISTIYONO , AHMAD BAIQUNI RANGKUTI

2021
Artikel ilmiah

Identification of land cover changes before and after forest and land fires in conservation areas of North Sumatra, Indonesia

NURDIN SULISTIYONO

2021
Artikel ilmiah

Spatial model of human-sumatran orangutan (Pongo abelii) conflict vulnerability in Besitang, Indonesia

NURDIN SULISTIYONO

2021
Jurnal nasional

Community Response to Covid-19 Handling in Namorambe District, Deli Serdang Regency

NURDIN SULISTIYONO

2021
Jurnal internasional bereputasi

Physicochemical characteristic, nutrient, and fish production in different types of mangrove forest in North Sumatra and Aceh Provinces of Indonesia

NURDIN SULISTIYONO

2021
Artikel ilmiah

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

NURDIN SULISTIYONO

2021
Artikel ilmiah

Potential of above-ground biomass (AGB) of mangrove vegetation restoration in Lubuk Kertang

NURDIN SULISTIYONO

2021
Artikel ilmiah

Spatial distribution characteristics of human-elephant conflict (HEC) in Besitang

NURDIN SULISTIYONO

2021
Jurnal internasional bereputasi

Mangrove ecosystem in north sumatran (Indonesia) forests serves as a suitable habitat for mud crabs (scylla serrata and s. olivacea)

NURDIN SULISTIYONO

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
Artikel ilmiah

Spatial distribution of landslide vulnerability level in Dairi District, North Sumatera Province, Indonesia

NURDIN SULISTIYONO

2020
Prosiding seminar internasional

Spatial model of the Sumatran tigers (Panthera tigris sumatrae) prey habitat suitability index in Besitang

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

2019
Prosiding seminar internasional

Species composition and plant diversity of logged-over forest in Sikundur, Gunung Leuser National Park, North Sumatra

NURDIN SULISTIYONO

2019
Prosiding seminar internasional

Evaluation of two-year mangrove rehabilitation using Rhizophora apiculata propagules in Lubuk Kertang Village, North Sumatra

BEJO SLAMET , MOHAMMAD BASYUNI , ERA YUSRAINI , NURDIN SULISTIYONO , INDRA LESMANA. S.PI M.SI , LOLLIE AGUSTINA P

2019
Prosiding seminar internasional

Leaf nutrition content and organoleptic of Jeruju (Acanthus ilicifolius L) and

processed products in Lubuk Kertang Village, North Sumatera

ERA YUSRAINI , BEJO SLAMET , INDRA LESMANA. S.PI M.SI , NURDIN SULISTİYONO , MOHAMMAD BASYUNI , LOLLIE AGUSTINA P

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 SULISTİYONO

2019

Prosiding seminar internasional

Stand structure and diversity of restored mangroves at abandoned pond in eastern coast of North Sumatra

NURDIN SULISTİYONO

2019

Prosiding seminar internasional

Spatial modeling of conflict vulnerability of Sumatran elephants (*Elephas maximus sumatranus*) with humans in Besitang

NURDIN SULISTİYONO

2019

Prosiding seminar internasional

Estimation of forest degradation distribution using landsat sattelite imagery in Besitang forest landscape

NURDIN SULISTİYONO

2019

Prosiding seminar internasional

Evaluation of two-year mangrove rehabilitation using *Rhizophora apiculata* propagules in Lubuk Kertang Village, North Sumatra

NURDIN SULISTİYONO

2019

Prosiding seminar internasional

Leaf nutrition content and organoleptic of Jeruju (*Acanthus ilicifolius* L) and processed products in Lubuk Kertang Village, North Sumatera

NURDIN SULISTİYONO

2019

Prosiding seminar internasional

Mangrove vegetation supports milkfish production in silvofishery pond

NURDIN SULISTİYONO

2019

Prosiding seminar internasional

Assessment of one-year mangrove reforestation using *Rhizophora apiculata* seedlings in Lubuk Kertang village, North Sumatra

ERA YUSRAINI , LOLLIE AGUSTINA P , NURDIN SULISTİYONO , INDRA LESMANA. S.PI M.SI , BEJO SLAMET , MOHAMMAD BASYUNI

2019

Prosiding seminar internasional

Introducing of a silvofishery pond on sapling and seedling density based in Lubuk Kertang Village, North Sumatera

NURDIN SULISTİYONO

2019

Jurnal nasional

Analisis Tingkat Kerawanan Longsor Dengan Integrasi Analytical Hierarchy Process dan Pemodelan Spasial Sistem Informasi Geografis di Kabupaten Aceh Tenggara

SIROJUZILAM , NURDIN SULISTİYONO

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

2019

Jurnal internasional bereputasi

Salinity and subsequent freshwater influences on the growth, biomass, and polyisoprenoids distributi

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2019

Jurnal internasional bereputasi

Salinity and subsequent freshwater influences on the growth, biomass, and polyisoprenoids distribution of Rhizophora apiculata seedlings

MOHAMMAD BASYUNI , NURDIN SULISTIYONO , POPPY ANJELISA ZAITUN HASIBUAN

2018

Prosiding seminar internasional

Polyisoprenoids profile and composition from selected mangrove associates leaves

NURDIN SULISTIYONO

2018

Jurnal internasional bereputasi

Landscape planning and economic valuation of mangrove ecotourism using GIS and Google Earth image

NURDIN SULISTIYONO , MOHAMMAD BASYUNI , BEJO SLAMET

2018

Prosiding seminar internasional

Developing community-based mangrove management through eco-tourism in North Sumatra, Indonesia

BEJO SLAMET , MOHAMMAD BASYUNI , RUSDI LEIDONALD , ARIF NURYAWAN , NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Isolation and phylogenetic analysis of new predicted polyprenol reductase from mangrove plant (Kande

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Isolation and phylogenetic analysis of new predicted polyprenol reductase from mangrove plant (Kandelia obovata Sheue, HY Liu & J. Yong)

NURDIN SULISTIYONO

2018

Prosiding seminar nasional

Aplikasi Sistim Informasi Geografis Dan Penginderaan Jarak Jauh Dalam Model Spasial Tingkat Kerawanan Konversi Lahan Hutan Di Daerah Aliran Sungai (Das) Deli

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Carbon dioxide emissions from forestry and peat land using land-use/land-cover changes in North Sumatra, Indonesia

NURDIN SULISTIYONO

2018

Prosiding seminar nasional

Deteksi Deforestasi Menggunakan Citra Satelit Resolusi Tinggi Pada Lanskap Hutan Mangrove Percut Sei Tuan

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Evaluation of Rhizophora Mucronata Growth at first-year Mangrove Restoration at Abandoned Ponds, Langkat, North Sumatra

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Land surface temperature distribution and development for green open space in Medan city using imagery-based satellite Landsat 8

NURDIN SULISTIYONO

2018

Jurnal internasional bereputasi

Diversity and habitat characteristics of macrozoobenthos in the mangrove forest of Lubuk Kertang Village, North Sumatra, Indonesia

BEJO SLAMET , NURDIN SULISTIYONO , MOHAMMAD BASYUNI

2018

Prosiding seminar nasional

Peranan Restorasi Hutan dalam Konservasi Jenis Mangrove di Pesisir Timur Sumatera Utara

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Isolation and analysis of a multifunctional triterpene synthase KcMS promoter region from mangrove plant kandelia candel

NURDIN SULISTIYONO

2018

Prosiding seminar nasional

Valuasi Ekonomi Hutan Sebagai Pengendali Banjir dan Erosi di Das Deli Berdasarkan Metode Kontingensi

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Predicted cycloartenol synthase protein from Kandelia obovata and Rhizophora stylosa using online software of Phyre2 and Swiss-model

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Deforestation and reforestation analysis from land-use changes in North Sumatran Mangroves, 1990-2015

NURDIN SULISTIYONO

2018

Jurnal internasional bereputasi

Diversity and habitat characteristics of macrozoobenthos in the mangrove forest of Lubuk Kertang Village, North Sumatra

NURDIN SULISTIYONO

2018

Jurnal internasional bereputasi

Management of mangrove ecosystems for increasing fisheries production in Lubuk Kertang village, North Sumatra, Indonesia

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Developing community-based mangrove management through eco-tourism in North Sumatra, Indonesia

NURDIN SULISTIYONO

2018

Prosiding seminar internasional

Protein modelling of triterpene synthase genes from mangrove plants using Phyre2 and Swiss-model

NURDIN SULISTIYONO

Researches

2025

Penelitian Tim Pasca Sarjana

Pemodelan Spasial Dinamis Kandungan Biomassa Mangrove Terganggu

PINDI PATANA , NURDIN SULISTIYONO

2025

Penelitian Tim Pasca Sarjana

Analisis Jangkauan Historis Dan Daya Dukung Kantong Populasi Orangutan Tapanuli Di Pesisir Barat Tapanuli Tengah

NURDIN SULISTIYONO , SRI SUCI UTAMI

2024

Melacak perubahan tutupan lahan ekosistem pesisir dan ekosistem Mangrove di Sumatera Utara dan Penilaian Kesesuaian Mangrove di Masa Depan dengan menggunakan citra seri waktu Sentinel-1 dan Sentinel-2, Citra Landsat 8 OLI, dan Google Earth Engine

BEJO SLAMET , NURDIN SULISTIYONO

2024

Hibah PUI-PT Mangrove USU lanjutan 2024

AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , ERNI JUMILAWATY , MOHAMMAD BASYUNI , BEJO SLAMET , AMEILIA ZULIYANTI SIREGAR , DENI ELFIATI , IWAN RISNASARI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , ORANG KAYA HASNANDA SYAHPUTRA , NETTI HERLINA , ARIF NURYAWAN , DELVIAN , RIDWANTI BATUBARA , Oding AFFANDI , NELLY ANNA , MASITTA TANJUNG , ETTI SARTINA SIREGAR

2024

PKR Ekologi Mangrove: Innovative Mangrove Management for Natural Climate Solution and Community Welfare

AHMAD BAIQUNI RANGKUTI , ERNI JUMILAWATY , MOHAMMAD BASYUNI , BEJO SLAMET , DENI ELFIATI , IWAN RISNASARI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , ORANG KAYA HASNANDA SYAHPUTRA , ARIF NURYAWAN , Oding AFFANDI , ETTI SARTINA SIREGAR

2024

Dampak Perubahan Penutupan Lahan, Kenaikan Permukaan Air Laut dan Penurunan Permukaan Tanah Terhadap Ekosistem Mangrove

BEJO SLAMET , NURDIN SULISTIYONO

2024

PKR Ekologi Mangrove: Innovative Mangrove Management for Natural Climate Solution and Community Welfare

ERNI JUMILAWATY , MOHAMMAD BASYUNI , BEJO SLAMET , AMEILIA ZULIYANTI SIREGAR , DENI ELFIATI , IWAN RISNASARI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , ARIF NURYAWAN , Oding AFFANDI , MASITTA TANJUNG , ETTI SARTINA SIREGAR

2024

Penelitian Dana Lokal Perguruan Tinggi

Pengembangan Model Spasial Kerusakan dan Kesehatan Ekosistem Mangrove Berbasis Integrasi Data Penginderaan Jauh Multi-Sensor, Analisis Struktur dan Komposisi Vegetasi, dan Machine Learning

ANJAR DIMARA SAKTI , SAHID AGUSTIAN HUDJIMARTSU , NURDIN SULISTIYONO , YUDI SETIAWAN

2023

Pemodelan Distribusi Spasial Indek Kesehatan Mangrove Berbasis Citra Satelit dan UAV Multispectral

SAHID AGUSTIAN HUDJIMARTSU , NURDIN SULISTIYONO , PUTRI YULI UTAMI

2023

Pemodelan Distribusi Spasial Indek Kesehatan Mangrove Berbasis Citra Satelit dan UAV Multispectral

SAHID AGUSTIAN HUDJIMARTSU , NURDIN SULISTIYONO

2023

Penelitian Fundamental

Dampak Transisi Hutan Mangrove Terhadap Jasa Ekosistem dan Tingkat Kesejahteraan Masyarakat

ERNI JUMILAWATY , DENI ELFIATI , NURDIN SULISTIYONO , IPANNA ENGGAR SUSETYA , YUNASFI

2022

Sekuestrasi Karbon pada Ruang Hijau Kampus sebagai Upaya Mitigasi Perubahan Iklim dan Mendukung Sustainable Development Goal 13

MARIAH ULFA , NURDIN SULISTIYONO , SURI FADHILLA , ABIGAIL NAFTALI GULTOM , RIZKY HIDAYAH SARAGIH , NATALIA TUMANGGER

2022

Hibah HI-LINK

MOnitoring Mangrove ExteNT & Services (MOMENTS): What is controlling Tipping Points?

MOHAMMAD BASYUNI , BEJO SLAMET , NURDIN SULISTIYONO

2022

Penelitian Dana Lokal Perguruan Tinggi

Kajian Dampak dan Percepatan Pemulihan Objek Wisata Alam Pasca Pandemi Covid-19 di Sumatera Utara

NURDIN SULISTIYONO , AGUS PURWOKO

2020

Penelitian Fundamental

Pendugaan Biomassa Hutan Mangrove Menggunakan Teknologi UAV (Unmanned Aerial Vehicle) dan Citra Satelit Resolusi Tinggi

SAHID AGUSTIAN HUDJIMARTSU , NURDIN SULISTIYONO

2020

Pendugaan Biomassa Hutan Mangrove Menggunakan Teknologi UAV (Unmanned Aerial Vehicle) dan Citra Satelit Resolusi Tinggi

SAHID AGUSTIAN HUDJIMARTSU , NURDIN SULISTIYONO

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

2019

Kerjasama Luar Negeri dan Publikasi Internasional

Monitoring Mangrove ExteNT & Services (MOMENTS): What is controlling Tipping Points

MOHAMMAD BASYUNI , BEJO SLAMET , NURDIN SULISTIYONO

2018

Kerjasama Luar Negeri dan Publikasi Internasional

Molecular Cloning, Characterization And Expression of Polyisoprenoid Synthase Genes From Indonesian and Okinawan Mangrove Forest

MOHAMMAD BASYUNI , NURDIN SULISTIYONO

2018

Kerjasama Luar Negeri dan Publikasi Internasional

Monitoring Mangrove ExteNT & Services (MOMENTS): What is controlling Tipping Points

MOHAMMAD BASYUNI , BEJO SLAMET , 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

2018

Penelitian Dana Lokal Perguruan Tinggi

MODEL SPASIAL DINAMIS DAN DISTRIBUSI SPASIAL KARBON PADA LANSKAP HUTAN MANGROVE

PINDI PATANA , NURDIN SULISTIYONO

2017

Kerjasama Luar Negeri dan Publikasi Internasional

Molecular Cloning, Characterization And Expression of Polyisoprenoid Synthase Genes From Indonesian and Okinawan Mangrove Forest

MOHAMMAD BASYUNI , NURDIN SULISTIYONO

2017

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

2016

Penelitian Dana Lokal Perguruan Tinggi

Peranan Restorasi Mangrove Pada Lahan Bekas Tambak Sebagai Penyimpan Karbon dan Pelestari Biodiversitas

NURDIN SULISTIYONO , ONRIZAL

2010

Penelitian Hibah Bersaing

ANALISIS PERUBAHAN PENGGUNAAN LAHAN HUTAN DAN PEMBAYARAN JASA LINGKUNGAN DI DAERAH ALIRAN SUNGAI DELI

NURDIN SULISTIYONO , YUNUS AFIFUDDIN

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

2009

Penelitian Hibah Bersaing

ANALISIS PERUBAHAN PENGGUNAAN LAHAN HUTAN DAN PEMBAYARAN JASA LINGKUNGAN DI DAERAH ALIRAN SUNGAI DELI

NURDIN SULISTIYONO , ACHMAD SIDDIK THOHA

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
Ipteks Bagi Masyarakat

Model Desa Mandiri Peyanggah Leuser: Integrasi Agroforestry MPTS dan Strategi Branding Ekowisata Berbasis Komunitas

ERNI JUMILAWATY , MOHAMMAD BASYUNI , BEJO SLAMET , AMEILIA ZULIYANTI SIREGAR , IWAN RISNASARI , NURDIN SULISTIYONO , FAUJIAH NURHASANAH RITONGA , ARIF NURYAWAN , DELVIAN , NELLY ANNA , ETTI SARTINA SIREGAR

2026
Ipteks

Penanaman Bibit MPTS Sebagai Upaya Pemulihan Lingkungan Pasca Banjir Di Langkat, Sumatera Utara

MARIAH ULFA , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , FAUJIAH NURHASANAH RITONGA , YUNUS AFIFUDDIN , AGUS PURWOKO , SURI FADHILLA , ALFAN GUNAWAN AHMAD , NELLY ANNA , MHD FAJRI AFISYAH , M AGUSTIAN SYAPUTRA , NAYLA FATHANAH , NABILA NASYWA SIREGAR

2026
Ipteks Bagi Masyarakat

Hirilisasi Produk Obat Tradisional Etnis Karo “SEMBUR PRATAHI” Melalui PelestraianKearifan Lokal untuk Mendukung Pencapaian SDGs 1,2,3 di Desa Namo Sialang, Kecamatan Batang Serangan, Kabupaten Langkat, Sumatera Utara

AHMAD BAIQUNI RANGKUTI , SAMSURI , APRI HERI ISWANTO , RIDAHATI RAMBEY , DENI ELFIATI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , TITO SUCIPTO , ACHMAD SIDDIK THOHA , BUDI UTOMO , DEANOVA FRESTIANA BR PELAWI , ANITA ZAITUNAH , SURI FADHILLA , AFIFUDDIN DALIMUNTHE , LUTHFI HAKIM , YUNASFI , HARISYAH MANURUNG

2026
Ipteks Bagi Masyarakat

Penguatan Pemasaran Digital Produk Herbal Lokal Melalui Pemberdayaan Masyarakat untuk Mendukung Pencapaian SDGs 1 dan 17 di Desa Namo Sialang, Kecamatan Batang Serangan, Kabupaten Langkat, Sumatera Utara

AHMAD BAIQUNI RANGKUTI , SAMSURI , APRI HERI ISWANTO , RIDAHATI RAMBEY , DENI ELFIATI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , TITO SUCIPTO , ACHMAD SIDDIK THOHA , BUDI UTOMO , DEANOVA FRESTIANA BR PELAWI , ANITA ZAITUNAH , SURI FADHILLA , AFIFUDDIN DALIMUNTHE , LUTHFI HAKIM , YUNASFI , HARISYAH MANURUNG

PENANAMAN JENIS POHON ASLI TOBA SEBAGAI UPAYA PELESTARIAN KEANEKARAGAMAN HAYATI DALAM RANGKA MEMPERINGATI HARI LINGKUNGAN HIDUP SEDUNIA

RIDAHATI RAMBEY , DENI ELFIATI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , TITO SUCIPTO , FAUJIAH NURHASANAH RITONGA , EVALINA HERAWATI , RUDI HARTONO , NELLY ANNA

Pengurrus BKM An Nur Fakultas Kehutanan 2024-2027

SAMSURI , PINDI PATANA , NURDIN SULISTIYONO , TITO SUCIPTO , ACHMAD SIDDIK THOHA , DEANOVA FRESTIANA BR PELAWI , EVALINA HERAWATI , AGUS PURWOKO , NOVITA ANGGRAINI , RUDI HARTONO , ALFAN GUNAWAN AHMAD

Pemanfaatan Cabutan Alam untuk Perbanyak Bibit: Solusi Alternatif Pengadaan Bibit dalam Rangka Melestarikan Jenis-Jenis Endemik Sumatera

MARIAH ULFA , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , IWAN RISNASARI , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , TITO SUCIPTO , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , EVALINA HERAWATI , YUNUS AFIFUDDIN , AGUS PURWOKO , SURI FADHILLA , ARIF NURYAWAN , LUTHFI HAKIM , RIDWANTI BATUBARA , NOVITA ANGGRAINI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

Potensi Multipurpose Tree Species (MPTs) dalam Pola Pertanaman Agroforestry di Pondok Buluh Simalungun

MARIAH ULFA , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , IWAN RISNASARI , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , TITO SUCIPTO , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , EVALINA HERAWATI , YUNUS AFIFUDDIN , AGUS PURWOKO , SURI FADHILLA , ARIF NURYAWAN , LUTHFI HAKIM , RIDWANTI BATUBARA , NOVITA ANGGRAINI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

2025

Pengayaan Tanaman Mangrove dan Penguatan Pola Silvofishery untuk Mendukung Kesejahteraan Masyarakat dan Pencapaian SDGs di Desa Pasar Rawa

MOHAMMAD BASYUNI , NURDIN SULISTIYONO

2025

International Community Service by Mangrove Plantation for the Conservation of Biodiversity and Environmental Sustainability

AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , ERNI JUMILAWATY , MOHAMMAD BASYUNI , PINDI PATANA , BEJO SLAMET , DENI ELFIATI , IWAN RISNASARI , ARIDA SUSILOWATI , NURDIN SULISTIYONO , TITO SUCIPTO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , EVALINA HERAWATI , AGUS PURWOKO , ARIF NURYAWAN , DELVIAN , RIDWANTI BATUBARA , NOVITA ANGGRAINI , YUNASFI , RUDI HARTONO , ALFAN GUNAWAN AHMAD , ODING AFFANDI , NELLY ANNA , MASITTA TANJUNG , ETTI SARTINA SIREGAR

2024

MITIGASI DAN ADAPTASI BENCANA HIDROMETEOROLOGI DESA SIMANGULAMPE, KECAMATAN BAKTIRAJA KABUPATEN HUMBANG HASUNDUTAN

NURDIN SULISTIYONO , ODING AFFANDI

2024

Ipteks Bagi Masyarakat

Desa Saran Padang Menjadi Desa Presisi Menuju Masyarakat Sehat

BEJO SLAMET , ANTHONI VEERY MARDIANTA , NURDIN SULISTIYONO , EVALINA HERAWATI , USMAN BUDI , DESTANUL AULIA , FAHRURROZI LUBIS

2024

Ipteks

PENDIDIKAN SADAR LINGKUNGAN UNTUK ANAK-ANAK SEBAGAI BENTUK KEPEDULIAN TERHADAP HUTAN MANGROVE

PINDI PATANA , NURDIN SULISTIYONO , ORANG KAYA HASNANDA SYAHPUTRA , ANITA ZAITUNAH , AGUS PURWOKO , NOVITA ANGGRAINI , ODING AFFANDI

2024

Ipteks

Kegiatan Produktif Pemberantasan Penyakit Malaria di Desa Bagan Kuala, Kabupaten Serdang Begadai

MOHAMMAD BASYUNI , OKE RINA RAMAYANI , AMELIA ZULIYANTI SIREGAR , KIKING RITARWAN , DIANA SOFIA HANAFIAH , IWAN RISNASARI , NURDIN SULISTIYONO , ORANG KAYA HASNANDA SYAHPUTRA , YUNILDA ANDRIYANI , NURFIDA KHAIRINA ARRASYID , NOVITA ANGGRAINI

2023

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

PINDI PATANA , NURDIN SULISTIYONO

2023

Ipteks Bagi Wilayah

Membangun Kemandirian Desa dalam Mitigasi Konflik Manusia dan Harimau di Desa Timbang Lawan, Kecamatan Bahorok, Kabupaten Langkat

AHMAD BAIQUNI RANGKUTI , PINDI PATANA , EKA LESTARI MAHYUNI , NURDIN SULISTIYONO , AGUS PURWOKO , ALFAN GUNAWAN AHMAD

2023

Ipteks Bagi Masyarakat

Membangun Kemandirian Desa Dalam Mitigasi Konflik Manusia Dan Harimau di Desa Timbang Lawan, Kecamatan Bahorok, Kabupaten Langkat

ACHMAD SADELI , AHMAD BAIQUNI RANGKUTI , MARIAH ULFA , APRI HERI ISWANTO , ERNI JUMILAWATY , ADRIAN HILMAN , PINDI PATANA , MA RIFATIN ZAHRAH , EKA LESTARI MAHYUNI , JAJANG SUTIAWAN , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , TATI VIDIANA SARI , YUNUS AFIFUDDIN , AGUS PURWOKO , CHICHI ASDA ARTHA , ALFAN GUNAWAN AHMAD , ODING AFFANDI , R. EDHY MIRWANDHONO

2023

Ipteks Bagi Masyarakat

International Community Service for Conservation and Mangrove Ecosystem Service, Collaboration With Pusat Unggulan IPTEK PUI Mangrove (Center of

Excellence for Mangrove) USU Faculty of Forestry Universitas Sumatera Utara (USU) PUI Neuromarketing AND PUI Diabetic Care & Tech Universitas Prima Indonesia (UNPRI)

MOHAMMAD BASYUNI , BEJO SLAMET , IWAN RISNASARI , SAHARMAN GEA , NURDIN SULISTIYONO , FARHAT , AGUS PURWOKO , DELVIAN , YUNASFI , ETTI SARTINA SIREGAR

2022

Pembuatan Papan Informasi Objek Ekowisata Aras Napal Kecamatan Besitang Kabupaten Langkat

MARIAH ULFA , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , YUNUS AFIFUDDIN , SURI FADHILLA , ALFAN GUNAWAN AHMAD

2021

Ipteks Bagi Wilayah

Pengabdian Desa Binaan_Kegiatan Membangun Kemandirian Desa Dalam Mitigasi Konflik Manusia Dan Harimau Di Desa Timbang Lawan, Kecamatan Bahorok, Kabupaten Langkat

ACHMAD SADELI , AHMAD BAIQUNI RANGKUTI , MARIAH ULFA , APRI HERI ISWANTO , ERNI JUMILAWATY , ADRIAN HILMAN , PINDI PATANA , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , TATI VIDIANA SARI , YUNUS AFIFUDDIN , AGUS PURWOKO , ALFAN GUNAWAN AHMAD , ODING AFFANDI , R. EDHY MIRWANDHONO

2020

Kompos dari Jerami Padi dan Penanaman Hortikultura

NURDIN SULISTIYONO , NETTI HERLINA , ETTI SARTINA SIREGAR

2018

Pembibitan Mangrove Genus Avicennia untuk Program Rehabilitasi dan Pakan Ternak

MOHAMMAD BASYUNI , BEJO SLAMET , NURDIN SULISTIYONO

2017

IbM Teknologi Pengayaan Tanaman Rehabilitasi Mangrove dan Lanskap Ekowisata

MOHAMMAD BASYUNI , BEJO SLAMET , NURDIN SULISTIYONO

2016

Pemanfaatan berkelanjutan sumberdaya mangrove berbasis penelitian dan potensi masyarakat lokal di pantai timur sumatera utara

MOHAMMAD BASYUNI , BEJO SLAMET , NURDIN SULISTIYONO