

Dr. Ir. Samsuri, S.Hut., M.Si., IPM., ASEAN Eng

Lecturer of The Master Degree of Forestry Study Program Study Program
Faculty of Forestry
Universitas Sumatera Utara

✉ samsuri@usu.ac.id

📍 Kampus 2 USU Bekala, Simalingkar A, Pancur Batu, Deli Serdang, 20353, Sumatera Utara, Indonesia

☎ 08561033832

🌐 fhut.usu.ac.id/en/lecturer/samsuri

Samsuri was born in a village in the southern part of Ponorogo Regency, East Java, on January 9, 1974. He completed his Bachelor's degree in Forestry at the Faculty of Forestry, IPB University, in 1998 and obtained his Doctorate degree in 2014 with an innovation in compiling the Priority Index for the Restoration of Degraded Tropical Forests. Additionally, Samsuri, affectionately known as Pak Sem, attended a one-month short course in Thailand to deepen his expertise in the application of GIS and RS in tropical rainforest restoration planning, particularly mangrove forests.

Throughout his professional career, his focus has been on geographic information systems, spatial ecology, landscape conservation, and remote sensing. As a researcher, his studies concentrate on the application of Geographic Information System (GIS) and Remote Sensing (RS) in forest resource inventory and management. Some research topics he has explored include the application of remote sensing in estimating standing stock in peat swamp forests, GIS application for modeling and monitoring forest fires, GIS and RS applications for modeling and planning ecosystem restoration, forest biomass modeling, analysis of tropical forest biodiversity distribution, wildlife habitat suitability, GIS for ethnography and forest degradation, and other topics related to GIS and RS. Several national and international collaborative research projects have been conducted with research grant funding from the Directorate General of Higher Education, SEAMEO BIOTROP, JAFTA, and ITTO Japan.

Courses he teaches in the Undergraduate Program in Forestry include Forest Inventory, Forest Management, Forest Planning, Forest Management, Geographic Information Systems, System Analysis, Remote Sensing, and Geodesy and Cartography. Some of the published books authored by Samsuri include "Introduction to Spatial Analysis with ArcGIS," "Digital Image Analysis Techniques for Natural Resource Management," "Planning for Restoration of Degraded Tropical Forest Landscapes," and "Forest Management."

In fulfilling the third pillar of higher education, community service, Samsuri has contributed to assisting the government in planning Forest Area Spatial Planning, establishing Forest Management Units, and participating as a resource person in various activities related to forest management policy-making in Indonesia. He is also involved in assisting communities, such as facilitating the development of spatial information systems for village potential and conducting training on the use of ArcGIS, GPS usage, and forest potential survey techniques. To expand his network and knowledge sharing, he is a member of professional organizations such as the Indonesian Remote Sensing Society (MAPIN), the Indonesian Biodiversity Society (MBI), the Indonesian Engineers Association (PII), and the Indonesian Geospatial Association (PAGI).

Publications

2026

Jurnal internasional bereputasi

Assessing Social Forestry in Indonesia: A Spatio-Temporal Analysis of Land Cover Change and Carbon Sequestration in South Sulawesi

SAMSURI , SYAMSU RIJAL , MUKRIMIN , CHAIRIL A , MUNAJAT NURSAPUTRA

2026

Jurnal internasional bereputasi

Estimating mangrove aboveground biomass using Sentinel-2A Vegetation Indices in a tropical coastal ecosystem on the east coast of North Sumatra, Indonesia

SAMSURI , ANITA ZAITUNAH , YOHANES BUDI SULISTIOADI , D. Ary Samsura , SUGENG BUDIHARTA

2026

Jurnal nasional terakreditasi

Analysis of Vegetation Density and Distribution of Green Belts in the City Center of Medan Using the Normalized Difference Vegetation Index

ANITA ZAITUNAH , NELLY ANNA , ALFAN GUNAWAN AHMAD , NUR HIDAYAT , SAMSURI , EVALINA HERAWATI

2026
Jurnal internasional bereputasi

Mangrove Cover and Shoreline Changes Detection using Multi-Temporal Landsat Imagery and Digital Shoreline Analysis System (DSAS) in Labuhanbatu Regency, Indonesia

SAMSURI , ANITA ZAITUNAH , DURYAT , YOHANES BUDI SULISTIOADI

2026
Jurnal internasional bereputasi

Mangrove Cover and Shoreline Changes Detection using Multi-Temporal Landsat Imagery and Digital Shoreline Analysis System (DSAS) in Labuhanbatu Regency, Indonesia

SAMSURI , ANITA ZAITUNAH , DURYAT , YOHANES BUDI SULISTIOADI

2026
Jurnal internasional bereputasi

Multi-source validation of ecological sensitivity in the Toraja Highlands, South Sulawesi, Indonesia

SAMSURI , SYAMSU RIJAL , CHAIRIL A , HENI MASRUROH , MUNAJAT NURSAPUTRA

2026
Jurnal nasional terakreditasi

Land Cover Change Dynamics As an Indicator of Deforestation Rate in Gunung Leuser National Park

SAMSURI , RAHMAWATY , T ALIEF ATHTHORICK

2025
Jurnal internasional bereputasi

Spatial assessment of ecosystem resilience in the Asahan Toba watershed, Indonesia

SYAMSU RIJAL , HENI MASRUROH , SAMSURI , D. Ary A Samsura , Thomas Groen

2025
Prosiding seminar internasional

Growth of bamboo shoots and maturation of Dendrocalamus asper and Gigantochloa pruriens bamboo on two different site characteristics

SAMSURI , DENI ELFIATI , ANITA ZAITUNAH , BUDI UTOMO , RIZKY WAHYUDI , Weihua Xu

2025
Prosiding seminar internasional

Spatio-Temporal Analysis and Hotspot Detection of COVID-19 Cases in Medan City, Indonesia: A GIS-Based Approach

SAMSURI , HERU SANTOSA , SIROJUZILAM , MUHAMMAD RIDHA SYAFII DAMANIK

2025
Prosiding seminar internasional

Analysis of the ecosystem pressure index of the Asahan Toba watershed using spatial analysis and multiple regression

SAMSURI , SYAMSU RIJAL , HENI MASRUROH , AGUS PURWOKO

2025
Jurnal internasional bereputasi

Land Cover Dynamics of Social Forestry Using Google Earth Engine at Latimojong Forest Management Unit, South Sulawesi, Indonesia

SAMSURI , SYAMSU RIJAL , MUNAJAT NURSAPUTRA , CHAIRIL A , MUKRIMIN

2025
Buku lainnya

Indonesia Hijau di Ujung Tanduk: Menakar dari Kerawanan Ekologi

SYAMSU RIJAL , SAMSURI , CHAIRIL A , HENI MASRUROH , MUNAJAT NURSAPUTRA , DAUD MALAMASSAM , NUR ZAMZAM PUTRI ARDI , RIVALDA LESIMANUAYA , BINTANG ALVIONI PUTRI M , ROLAND ALEXANDER BARKEY , ANDI VIKA FARADIBA MUIN

2025

Buku referensi

INDONESIA HIJAU DI UJUNG TANDUK Menakar Dari Kerawanan Ekologi

MUNAJAT NURSAPUTRA , SYAMSU RIJAL , CHAIRIL A , ROLAND ALEXANDER BARKEY , DAUD MALAMASSAM , ANDI VIKA FARADIBA MUIN , SAMSURI , HENI MASRUROH

2025

Jurnal internasional bereputasi

Land cover change and ethnoecological practices in Forest Management Unit XXV, North Sumatra, Indonesia

SAMSURI , ANITA ZAITUNAH , Datuk Ary Andriansyah Samsura

2025

Prosiding seminar internasional

Preface

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2025

Jurnal internasional bereputasi

Extraction and Use of Humic Acid from Invasive Alien Plant Species Originating from Toba Lake and Forest Areas for Sustainable Plant Growth and Reducing the Level of Water Pollution in Lake Toba, Indonesia

BUDI UTOMO , SAMSURI , MOHAMMAD BASYUNI

2025

Jurnal internasional bereputasi

Comprehensive Assessment of Fuzzy-based Ecological Vulnerability Using PCA-Entropy-SRP Model and Weighted Multi-scenario Analysis Based on OWA Operator in Mondangan Watershed, Blitar Regency, East Java, Indonesia

SAMSURI , HENI MASRUROH , SYAMSU RIJAL

2025

Prosiding seminar internasional

Above-ground biomass and carbon stock of Bambusa sp. at various altitudes in North Sumatra

SAMSURI , APRI HERI ISWANTO , LUTHFI HAKIM , TITO SUCIPTO , EVALINA HERAWATI , RAHMI KAROLINA , ACHMAD DELIANUR NASUTION , Lee Seng Hua

2025

Prosiding seminar internasional

Productivity of Betung Bamboo (Dendrocalamus Asper) and Belangke Bamboo (Gigantochloa Pruriens) based on the site characteristics in North Sumatera, Indonesia

RIZKY WAHYUDI , DENI ELFIATI , SAMSURI

2025

Prosiding seminar internasional

Productivity of Betung Bamboo (Dendrocalamus Asper) and Belangke Bamboo (Gigantochloa Pruriens) based on the site characteristics in North Sumatera, Indonesia

DENI ELFIATI , RIZKY WAHYUDI , SAMSURI

2025

Jurnal internasional bereputasi

Ecological Sensitivity of the Mata Allo Sub-Watershed, South Sulawesi: A Spatial Analysis Using Principal Component Analysis

SAMSURI , SYAMSU RIJAL , HENI MASRUROH , MUNAJAT NURSAPUTRA

2024

Jurnal internasional bereputasi

Impact of Opening Forest Tourism on Vegetation Rejuvenation in Bukit Barisan Forest Park, Indonesia

BUDI UTOMO , AFIFUDDIN DALIMUNTHE , SAMSURI , YUNASFI , MOHAMMAD BASYUNI

2024

Jurnal nasional terakreditasi

Population and Habitat Management Development Strategy in The Tapanuli Orangutan (*Pongo tapanuliensis*) Conservation Area

RAHMAWATY , ASEP PERRY MUHAMMAD ATHORIEZ , SAMSURI , AGUS PURWOKO , ABDUL RAUF

2024
Jurnal internasional bereputasi

The Human and Tapanuli Orangutan (*Pongo tapanuliensis*) Conflict in the Tropical Mountain Rainforest Ecosystem, Indonesia

SAMSURI , ANITA ZAITUNAH , Wanda Kuswanda

2024
Jurnal internasional bereputasi

Analysis of Land Cover Changes and Sustainable Reforestation in Sianjur Mula-Mula District, Samosir Regency, Indonesia

MOHAMMAD BASYUNI , YUNASFI , SAMSURI , BUDI UTOMO

2024
Prosiding seminar internasional

Distribution of density and zoning patterns of mangrove forest in eastern coastal Sumatera, Indonesia

ANITA ZAITUNAH , YOHANES BUDI SULISTIOADI , BUDI UTOMO , SAMSURI

2024
Jurnal nasional

Analysis of Flood Inundation Vulnerability to the Deli Watershed of North Sumatra Using Remote Sensing and GIS Techniques

T ALIEF ATHTHORICK , SAMSURI

2024
Jurnal internasional bereputasi

Fungal diversity associated with the decomposition of *Avicennia marina* leaf litter at various salinity levels

BUDI UTOMO , ANITA ZAITUNAH , IPANNA ENGGAR SUSETYA , SAMSURI , AFIFUDDIN DALIMUNTHE , YUNASFI

2024
Jurnal nasional

Peningkatan Ekonomi Lokal Petani Melalui Pendampingan Penanaman Benih Kopi Arabika Bersertifikat di Desa Pansur Napitu Kecamatan Siatas Barita Kabupaten Tapanuli Utara

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2024
Jurnal nasional

Pendampingan UKM Dalam E-Commerce (Digital Marketing) Sebagai Sarana Menerobos Pasar Sayuran Hidroponik di Kota Binjai

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Jurnal nasional terakreditasi

Peningkatan Ekonomi Lokal Petani Melalui Pendampingan Penanaman Benih Kopi Arabika Bersertifikat di Desa Pansur Napitu Kecamatan Siatas Barita Kabupaten Tapanuli Utara

DR IR RAHMANTA GINTING MSI , SITI KHADIJAH HIDAYATI NASUTION , SAMSURI

2023
Prosiding seminar internasional

The above-ground biomass model of mangrove forest in Panai Hilir, Indonesia

SAMSURI , YUNASFI , ANITA ZAITUNAH , ALFAN GUNAWAN AHMAD , AFIFUDDIN DALIMUNTHE

2023
Jurnal internasional bereputasi

Biophysical and anthropogenic factors affecting human and Tapanuli orangutan (*Pongo tapanuliensis*) conflict in Sumatran tropical rain forest, Indonesia

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Prosiding seminar internasional

The above-ground biomass model of mangrove forest in Panai Hilir, Indonesia

ALFAN GUNAWAN AHMAD , YUNASFI , AFIFUDDIN DALIMUNTHE , YOHANES BUDI SULISTIOADI , ANITA ZAITUNAH , SAMSURI

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Jurnal internasional bereputasi

Biophysical and anthropogenic factors affecting human and Tapanuli orangutan (*Pongo tapanuliensis*) conflict in Sumatran tropical rain forest, Indonesia

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2023

Prosiding seminar internasional

Aboveground biomass of forest and oil palm land cover mapping using Sentinel 2A imagery, Asahan-Indonesia

DWI ENDAH WIDYASTUTI , ANITA ZAITUNAH , BUDI UTOMO , SAMSURI

2023

Jurnal nasional

Analysis of the Tapanuli orangutan (*Pongo tapanuliensis*) population in other land use areas, Arse sub-district, South Tapanuli Regency

SAMSURI , ANITA ZAITUNAH

2023

Jurnal nasional

Analysis of tree quality on the green line using google earth in Tanjung Morawa District, Deli Serdang Regency

ALFAN GUNAWAN AHMAD , SAMSURI , ANITA ZAITUNAH

2023

Tulisan ilmiah

Model Spasial Indeks Restorasi Lanskap Hutan Tropis Terdegradasi Daerah Aliran Sungai Batang Toru, Sumatera Utara

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2023

Prosiding seminar internasional

Analysis of the Potential of Non-Timber Forest Products at Siarsikarsik Village Forest Management Institute, Lumban Julu Village, Lumban Julu District, Toba Regency

RAHMAWATY , SAMSURI

2023

Jurnal nasional terakreditasi

Strategy to Strengthening Forest Farming for Sustainable Mangrove Forest Management in the Coastal Area, Deli Serdang, Indonesia

ALFAN GUNAWAN AHMAD , SAMSURI

2022

Jurnal nasional terakreditasi

Empowerment of Household Woman Group Through Hydroponic Cultivation Using Wick System in The Lingkungan XV Tanjung Mulia Medan

RUDI HARTONO , SAMSURI , ORANG KAYA HASNANDA SYAHPUTRA , NOVITA ANGGRAINI

2022

Jurnal nasional terakreditasi

Iptek Penguatan Ketahanan Pangan dengan Program Food Estate Sistim Agrosilvopastural di Humbang Hasundutan

ARIDA SUSILOWATI , ANITA ZAITUNAH , HARISYAH MANURUNG , APRI HERI ISWANTO , AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY , SAMSURI , LUTHFI HAKIM , SURi FADHILLA , MARIAH ULFA , AGUS PURWOKO , HAFIZAH ARINAH , MOEHAR MARAGHIY HARAHAP , RUDI HARTONO , ORANG KAYA HASNANDA SYAHPUTRA , JAJANG SUTIAWAN , TITO SUCIPTO , DENI ELFIATI

2022

Prosiding seminar internasional

Utilization of unmanned aerial vehicle (UAV) in identifying the characteristics of the riparian ecosystem of the Percut River, North Sumatra Province

SAMSURI , BEJO SLAMET

2022

Prosiding seminar internasional

Analysis of the species and derived bamboo (Bambuceae) product in Berastagi, Kabanjahe and Tiga Panah of Karo District, North Sumatra

ANITA ZAITUNAH , SAMSURI

2022

Prosiding seminar internasional

Lands Cover Dynamics of Siais Lake Catchment Area, Tapanuli Selatan District, Indonesia

ALFAN GUNAWAN AHMAD , ANITA ZAITUNAH , SAMSURI

2022

Prosiding seminar internasional

Land suitability evaluation for forestry plants in Tao Lake, Padang Lawas Utara District, North Sumatra

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Prosiding seminar internasional

Shade tree pattern of highland coffee plantation and coffee production in Aceh Tengah, Indonesia

SAMSURI , ANITA ZAITUNAH , ALFAN GUNAWAN AHMAD

2022

Jurnal nasional

Integrasi Agroforestri dan Sistem Budidaya Lebah Madu (Trigona Sp.) dalam Penguatan Food Estate di Humbang Hasundutan

HAFIZAH ARINAH , JAJANG SUTIAWAN , ARIDA SUSILOWATI , ORANG KAYA HASNANDA SYAHPUTRA , RUDI HARTONO , MOEHAR MARAGHIY HARAHAP , LUTHFI HAKIM , DENI ELFIATI , AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MARIAH ULFA , AGUS PURWOKO , ANITA ZAITUNAH , RIDAHATI RAMBEY , SAMSURI , SURI FADHILLA , HARISYAH MANURUNG , TITO SUCIPTO

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Jurnal internasional bereputasi

Urban Greening Effect on Land Surface Temperature

ANITA ZAITUNAH , SAMSURI

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Jurnal nasional terakreditasi

Mapping land cover and vegetation detection in urban areas

SAMSURI , ANITA ZAITUNAH , LAILAN SYAUFINA

2022

Jurnal nasional terakreditasi

Study of Policy Determination to Create A Healthy Watershed: A Case Study of Lapan Watershed In Langkat District, North Sumatera, Indonesia

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2022

Prosiding seminar internasional

Diversity and distribution of fig (Ficus spp) in University of Sumatera Utara (USU) green space

SAMSURI , ANITA ZAITUNAH , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MOEHAR MARAGHIY HARAHAP

2021

Prosiding seminar internasional

Vegetation distribution analysis of green open space in Binjai Timur, North Sumatera Province using normalized difference vegetation index

SAMSURI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

Spatio-temporal pattern of urban forest vegetation density, Medan Baru city, Indonesia

SAMSURI

2021

Prosiding seminar internasional

The Bamboo Standing Stock Analysis in Karo Highland, North Sumatera - Indonesia

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2021

Prosiding seminar internasional

Mapping of mangrove forest tree density using SENTINEL 2A satelit image in remained natural mangrove forest of Sumatra eastern coastal

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Prosiding seminar internasional

Mapping of mangrove forest tree density using SENTINEL 2A satelit image in remained natural mangrove forest of Sumatra eastern coastal

AHMAD BAIQUNI RANGKUTI , SAMSURI

2021

Prosiding seminar internasional

Conservation and sustainable utilization of tropical trees from North Sumatra, Indonesia

SAMSURI , ARIDA SUSILOWATI , DENI ELFIATI , ANITA ZAITUNAH , APRI HERI ISWANTO , AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY , TITO SUCIPTO , LUTHFI HAKIM , MOEHAR MARAGHIY HARAHAP , MARIAH ULFA , HARISYAH MANURUNG , HAFIZAH ARINAH

2021

Prosiding seminar internasional

The properties of particleboards made from non- wood lignocellulose materials bonded with melamine formaldehyde resin

RUDI HARTONO , TITO SUCIPTO , AHMAD BAIQUNI RANGKUTI , MOEHAR MARAGHIY HARAHAP , ORANG KAYA HASNANDA SYAHPUTRA , HAFIZAH ARINAH , APRI HERI ISWANTO , SAMSURI , LUTHFI HAKIM , RIDAHATI RAMBEY , ARIDA SUSILOWATI , MARIAH ULFA , ANITA ZAITUNAH , IRAWATI AZHAR , HARISYAH MANURUNG , DENI ELFIATI

2021

Prosiding seminar internasional

Vegetation density analysis using normalized difference vegetation index in East Jakarta, Indonesia

SAMSURI , ANITA ZAITUNAH , ARIDA SUSILOWATI , DENI ELFIATI , HAFIZAH ARINAH , AHMAD BAIQUNI RANGKUTI , RIDAHATI RAMBEY , MOEHAR MARAGHIY HARAHAP , MARIAH ULFA , APRI HERI ISWANTO , TITO SUCIPTO , LUTHFI HAKIM

2021

Jurnal nasional terakreditasi

Fragmentation Typology of Sumatran Tropical Lowland Forest, Labuhanbatu Selatan - Indonesia

ALFAN GUNAWAN AHMAD , SAMSURI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

Community perception and utilization of raru in Bonalumban Village

ANITA ZAITUNAH , APRI HERI ISWANTO , RIDAHATI RAMBEY , SAMSURI , AHMAD BAIQUNI RANGKUTI , ARIDA SUSILOWATI , DENI ELFIATI , TITO SUCIPTO , LUTHFI HAKIM , HARISYAH MANURUNG , MOEHAR MARAGHIY HARAHAP , MARIAH ULFA , HAFIZAH ARINAH

2021

Prosiding seminar internasional

Comparison of land cover classification in Pakpak Bharat Regency using Landsat 8 OLI and Sentinel 1A satellite imagery

SAMSURI , BEJO SLAMET , ABDUL RAUF

2021

Prosiding seminar internasional

Analysis of agroforestry tree species composition and coffee cultivation

production tropical highlands, Aceh Tengah - Indonesia

SAMSURI , ANITA ZAITUNAH , ALFAN GUNAWAN AHMAD

2021

Prosiding seminar internasional

Green open space analysis in West Binjai, North Sumatra

RIDAHATI RAMBEY , SAMSURI , ANITA ZAITUNAH , ARIDA SUSILOWATI , DENI ELFIATI , ORANG KAYA HASNANDA SYAHPUTRA

2021

Jurnal internasional bereputasi

Mapping and assessment of vegetation cover change and species variation in Medan, North Sumatra

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2021

Jurnal nasional terakreditasi

Mitigation of Food Crisis and Increasing Productivity of Rice Fields for Communities Around the Taman Asoka Asri Housing Amid the Covid-19 Pandemic

SAMSURI , ONRIZAL , MUHDI , DIANA SOFIA HANAFIAH

2021

Jurnal nasional terakreditasi

ANALISIS KEBUTUHAN RUANG TERBUKA HIJAU: PENDEKATAN KEBUTUHAN OKSIGEN: Green Open Space Analysis, Oxygen Requirement Approached in Medan Baru City

SAMSURI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

The damage profile of kerai payung (*Filicium desipiens*) in University of Sumatera Utara green space based on Forest Health Monitoring (FHM) method

SAMSURI , ARIDA SUSILOWATI , ALFAN GUNAWAN AHMAD , APRI HERI ISWANTO , ANITA ZAITUNAH , FIFI GUS DWIYANTI

2021

Jurnal internasional bereputasi

Plot scale comparison of runoff generalization between forest and coffee combination cassava landcover in Kuta Jungak Village, Siempat Rube District, Pakpak Bharat Regency

ABDUL RAUF , SAMSURI , BEJO SLAMET

2021

Jurnal internasional bereputasi

Vegetation structure of sumatran orangutan (*Pongo abelii*) habitat in north sumatra, indonesia

SAMSURI

2020

Prosiding seminar internasional

Change vegetation density analysis of Sumatran orangutan (*Pongo abelii*) habitat in Bukit Lawang and Sub-district of Bahorok

SAMSURI

2019

Prosiding seminar internasional

Analysis of vegetation density change in coastal villages of Tapanuli Tengah and Sibolga using landsat images

SAMSURI

2019

Jurnal internasional bereputasi

Evaluation of plant species suitability for lowland forest landscape restoration in Lengan watersheds, Langkat district, north Sumatra, Indonesia

ALFAN GUNAWAN AHMAD , ANITA ZAITUNAH , SAMSURI

2019

Prosiding seminar internasional

Landcover change analysis of besitang watershed, Langkat-North Sumatera

SAMSURI , ANITA ZAITUNAH

2019

Prosiding seminar internasional

Land degradation index of tropical forest landscape in Batang Toru watershed using spatial analysis

SAMSURI , I NENGGAH SURATI JAYA , CECEP KUSMANA

2019

Prosiding seminar internasional

Mitigation Option on Converted Forest Zone Through Agroforestry System for Improving the Hydrological Function of Upper Singkil Watershed

ABDUL RAUF , BEJO SLAMET , SAMSURI

2019

Jurnal nasional terakreditasi

Analysis The Degree of Community Participation Possibility on Restoration Planning for Lowland Forest Landscape of Lapan Watershed-Langkat District

ALFAN GUNAWAN AHMAD , SAMSURI

2018

Prosiding seminar internasional

Normalized difference vegetation index (ndvi) analysis for land cover types using landsat 8 oli in besitang watershed, Indonesia

ANITA ZAITUNAH , SAMSURI

2017

Prosiding seminar internasional

Estimating of Gonystiluss Bancanus Growing Stock in Indonesia (Case study: Riau and Central Kalimantan)

SAMSURI

2016

Jurnal internasional

Connectivtiy of Remained Tropical Rain Forest in Langkat District, Indonesia

I NENGGAH SURATI JAYA , CECEP KUSMANA , SAMSURI

2014

Jurnal internasional bereputasi

Restoration Priority Index Development of Degraded Tropical Forest Landscape in Batang Toru Watershed, North Sumatera Indonesia

SAMSURI , I NENGGAH SURATI JAYA , CECEP KUSMANA

2014

Jurnal internasional bereputasi

Analysis of Tropical Forest Landscape Fragmentation in Batang Toru Watershed, North Sumatra.

SAMSURI , I NENGGAH SURATI JAYA

2014

Jurnal internasional bereputasi

Restoration priority index development ofdegraded tropical forest landscape in batang toru watershed, North Sumatera, Indonesia

SAMSURI , I NENGGAH SURATI JAYA , CECEP KUSMANA

2012

Jurnal nasional

Model Spasial Tingkat Kerawanan Kebakaran Hutan dan Lahan (Studi Kasus Propinsi Kalimantan Tengah) (Spatial Model of Land and Forest Fire Risk Index, Case Study in CentralÂ ...

SAMSURI

2010

Buku referensi

Teknik Inventarisasi Sediaan Ramin di Hutan Rawa Gambut.

SAMSURI

2010

Buku referensi

Teknik Inventarisasi Sediaan Ramin di Hutan Rawa Gambut

SAMSURI

2010

Buku referensi

PANDUAN INVENTARISASI SEDIAAN RAMIN DI HUTAN RAWA GAMBUT

SAMSURI

2005

Jurnal internasional bereputasi

DIRECTIVES FOR MANGROVE FOREST AND COASTAL FOREST REHABILITATION IN EARTHQUAKE AND TSUNAMI DISASTER AREA IN THE PROVINCES OF NANGGROE ACEH DARUSSALAM AND SUMATERA UTARA (NIAS ISLAND), INDONESIA

SAMSURI

2026

Jurnal nasional

Analisis Perubahan Garis Pantai Dan Tutupan Lahan Pasca Tsunami di Pantai Lhoknga, Kecamatan Lhoknga, Kabupaten Aceh Besar

SAMSURI

Researches

2026

Penelitian Hibah Bersaing

FORMULASI DAN STANDAR INDEKS SENSITIVITAS EKOSISTEM BERBASIS DAERAH ALIRAN SUNGAI SEBAGAI DASAR MITIGASI KEBENCANAAN

SAMSURI , SYAMSU RIJAL , HENI MASRUROH

2025

FORMULASI DAN PEMETAAN STANDAR (SKALA) INDEKS SENSITIVITAS EKOSISTEM PADA DAERAH ALIRAN SUNGAI

SAMSURI , SYAMSU RIJAL , HENI MASRUROH

2024

Optimasi Model Spatio-Temporal dengan Google Earth Engine untuk Evaluasi Penutupan Lahan dan Sekuestrasi Karbon Kawasan Perhutanan Sosial di Sulawesi Selatan

SAMSURI , SYAMSU RIJAL , CHAIRIL A , MUKRIMIN , MUNAJAT NURSAPUTRA

2024

RISET KOLABORASI INDONESIA: FORMULASI DAN PEMETAAN INDEKS EKOSISTEM LANSKAP HUTAN PADA DAERAH ALIRAN SUNGAI

SAMSURI , SYAMSU RIJAL , HENI MASRUROH

2024

PRODUKTIVITAS PERTUMBUHAN BAMBU BETUNG (DENDROCALAMUS ASPER) DAN BAMBU BELANGKE (GIGANTOCHLOA PRURIENS) BERDASARKAN KARAKTERISTIK TEMPAT TUMBUH DI KECAMATAN PANCUR BATU DAN KECAMATAN LANGKAT

SAMSURI , DENI ELFIATI

2024

FORMULASI DAN PEMETAAN INDEKS EKOSISTEM LANSKAP HUTAN PADA

DAERAH ALIRAN SUNGAI

SAMSURI , SYAMSU RIJAL , HENI MASRUROH

2024

PRODUKTIVITAS BAMBU DAN KARAKTERISASI SIFAT DASAR BAMBU SUMATERA UTARA

ACHMAD DELIANUR NASUTION , SAMSURI , APRI HERI ISWANTO , TITO SUCIPTO , EVALINA HERAWATI , RAHMI KAROLINA , LUTHFI HAKIM

2024

Penelitian Dana Lokal Perguruan Tinggi

Peningkatan Nilai Tambah dan Pemasaran Produk Hasil Hutan Bukan Kayu Anyaman Bambu Melalui "Marketplace" di Desa Padang Mainu Simalungun

SAMSURI , IWAN RISNASARI , EVALINA HERAWATI , HAFIZAH ARINAH

2023

MODEL PENGELOLAAN HUTAN TROPIS SUMATERA BERBASIS LANSKAP DAN KEARIFAN LOCAL MASYARAKAT

SAMSURI , ANITA ZAITUNAH

2022

Penelitian Kerjasama Antar Perguruan Tinggi

Perubahan garis pantai dan perubahan ekosistem hutan mangrove alami tersisa di Labuhanbatu

SAMSURI , ANITA ZAITUNAH

2022

Penelitian Dan Konsultansi Penyusunan Master Plan Program Konservasi Daerah Tangkapan Air (DTA) Danau Toba Dan Daerah Aliran Sungai (DAS) Asahan Tahun 2022

SAMSURI , RAHMAWATY , BEJO SLAMET , ABDUL RAUF

2022

Penyusunan Rencana Pengelolaan DAS Belawan

SAMSURI , RAHMAWATY , BEJO SLAMET , ABDUL RAUF

2022

Penelitian Unggulan Perguruan Tinggi

Standing stock dan sebaran spasial potensi bambu Sumatera Utara

SAMSURI , ANITA ZAITUNAH

2022

Penyusunan Rencana Pengelolaan DAS Batang Gadis

SAMSURI , RAHMAWATY , BEJO SLAMET , ABDUL RAUF

2015

Penelitian Unggulan Perguruan Tinggi

Indeks prioritas tapak restorasi lanskap hutan tropis terdegradasi Sumatera Utar

SAMSURI , ACHMAD SIDDIK THOHA , ANITA ZAITUNAH

Community Services

2026

Ipteks Bagi Masyarakat

Gerakan Penghijauan Kampus 2 Usu Bekala Melalui Penanaman Jenis Multi-Purpose Tree Species (MPTS) Dalam Rangka Memperingati Hari Lingkungan Hidup Sedunia

SAMSURI , APRI HERI ISWANTO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , ANITA ZAITUNAH , SURI FADHILLA , LUTHFI HAKIM , NELLY ANNA , HAFIZAH ARINAH , Marandus sirait , Paris Sembiring

2026

Community Empowerment through Sustainable Bamboo Planting and Utilization for Riverbank Conservation and Bamboo Gateway Construction to Support the Achievement of Sustainable Development Goal (SDG) 15 in Lumban Julu Village

SAMSURI , APRI HERI ISWANTO , RIDAHATI RAMBEY , DENI ELFIATI , KANSIH SRI HARTINI , MA RIFATIN ZAHRAH , ARIDA SUSILOWATI , MOEHAR MARAGHIY HARAHAP , TITO SUCIPTO , BUDI UTOMO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , EVALINA HERAWATI , YUNUS AFIFUDDIN , ANITA ZAITUNAH , AFIFUDDIN DALIMUNTHE , AHMAD MANSURI , LUTHFI HAKIM , NOVITA ANGGRAINI , YUNASFI , HARISYAH MANURUNG , NELLY ANNA , HAFIZAH ARINAH

2024

Ipteks Bagi Masyarakat

Iptek Mitigasi Bencana Hidrometeorologi Berbasis Masyarakat Di Desa Sinambela Kecamatan Baktiraja Kabupaten Humbang Hasundutan Provinsi Sumatera Utara

SAMSURI , ORANG KAYA HASNANDA SYAHPUTRA , SURI FADHILLA , LUTHFI HAKIM , MONA ESTER PRANSISKA SIAGIAN , PASKAH ULI PRICILA BR. SIMANJUNTAK , MUHAMMAD ALIF ANUGRAH

2024

Ipteks

PENDAMPING TEKNIS DAN PENGAWASAN PEKERJAAN PEMELIHARAAN TANAMAN TAHUN PERTAMA (P1) SELUAS 250 HEKTAR DI KABUPATEN TOBA TAHUN 2024

SAMSURI , RAHMAWATY , BEJO SLAMET , ABDUL RAUF , DR IR RAHMANTA GINTING MSI

2023

IMPLEMENTATION OF RIVERBANK CONSERVATION WITH BAMBOO VEGETATION AS EMBANKMENT REINFORCEMENT

ACHMAD DELIANUR NASUTION , SAMSURI , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , BEJO SLAMET , MA RIFATIN ZAHRAH , IWAN RISNASARI , TITO SUCIPTO , EMMA PATRICIA BANGUN , DWI ENDAH WIDYASTUTI , ORANG KAYA HASNANDA SYAHPUTRA , EVALINA HERAWATI , AGUS PURWOKO , RAHMI KAROLINA , ARIF NURYAWAN , LUTHFI HAKIM , NOVITA ANGGRAINI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

2023

Ipteks Bagi Masyarakat

PENINGKATAN EKONOMI LOKAL PETANI MELALUI PENDAMPINGAN PENANAMAN BENIH KOPI ARABIKA BERSERTIFIKAT DI DESA PANSUR NAPITU KECAMATAN SIATAS BARITA KABUPATEN TAPANULI UTARA

SAMSURI , SITI KHADIJAH HIDAYATI NASUTION , DR IR RAHMANTA GINTING MSI

2022

Pendampingan UKM Dalam E-Commerce (Digital Marketing) Sebagai Sarana Menerobos Pasar Sayuran Hidroponik di Kota Binjai

SAMSURI , SITI KHADIJAH HIDAYATI NASUTION , DR IR RAHMANTA GINTING MSI

2021

Ipteks Bagi Masyarakat

Workshop Pemanfaatan Bagian Vegetasi menjadi Produk Bernilai Tinggi untuk Peningkatan Pendapatan Ibu Rumah Tangga Forum Silaturahmi Masyarakat (Forsimas) Sitodang Kelurahan Medan Johor di Era Pandemi

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ANITA ZAITUNAH , AGUS PURWOKO , NOVITA ANGGRAINI , HAFIZAH ARINAH

2021

Ipteks Bagi Masyarakat

Budidaya Tanaman Sayuran dengan Sistem Hidroponik sebagai Strategi Pemberdayaan Ibu-Ibu PKK Lingkungan XV Tanjung Mulia Medan di Masa Pandemi Covid 19

SAMSURI , RUDI HARTONO

2021

Ipteks Bagi Masyarakat

Budidaya Tanaman Sayuran dengan Sistem Hidroponik sebagai Strategi Pemberdayaan Ibu-Ibu PKK Lingkungan XV Tanjung Mulia Medan di Masa Pandemi Covid 19

SAMSURI , ORANG KAYA HASNANDA SYAHPUTRA , NOVITA ANGGRAINI , RUDI HARTONO

2021

Ipteks Bagi Masyarakat

Workshop Pemanfaatan Bagian Vegetasi menjadi Produk Bernilai Tinggi untuk Peningkatan Pendapatan Ibu Rumah Tangga Forum Silaturahmi Masyarakat (Forsimas) Sitodang Kelurahan Medan Johor di Era Pandemi

SAMSURI , RAHMAWATY , BEJO SLAMET , MUHDI , IWAN RISNASARI , ANITA ZAITUNAH , AGUS PURWOKO , HAFIZAH ARINAH

2021

PENYIAPAN PAKAN LEBAH TRIGONA SP. DENGAN APICULTURE AGROFORESTRY SYSTEM UNTUK MENDUKUNG KETAHANAN PANGAN DI FOODESTATE HUMBANG HASUNDUTAN

AHMAD BAIQUNI RANGKUTI , SAMSURI , MOEHAR MARAGHIY HARAHAP

2019

PENERAPAN TEKNIK SPASIAL UNTUK MENYUSUN DATA DASAR POTENSI DESA

SAMSURI , BEJO SLAMET , ANITA ZAITUNAH , RAZALI , ALFAN GUNAWAN AHMAD

2017

Identitas Pohon (Tagging Pohon) di Kawasan Hutan dengan Tujuan Khusus (KHDTK) Pondok Buluh, Kabupaten Simalungun

SAMSURI , KANSIH SRI HARTINI , ARIDA SUSILOWATI , AGUS PURWOKO , RUDI HARTONO

Intellectual Property Rights

2026

Paten nasional

tas laptop ramah lingkungan

HAFIZAH ARINAH , IWAN RISNASARI , SAMSURI , EVALINA HERAWATI , LUTHFI HAKIM

2025

Hak cipta nasional

PETA SENSITIVITAS EKOLOGI KABUPATEN TANA TORAJA DAN TORAJA UTARA

SYAMSU RIJAL , SAMSURI , JOSUA PRAYOGA F. WOOF , KLARA TASIK DAWA , HENI MASRUROH

2025

Hak cipta nasional

PETA SENSITIVITAS EKOLOGI DAS BRANTAS

SYAMSU RIJAL , HENI MASRUROH , SAMSURI

2025

Hak cipta nasional

Nilai Tambah dan Pemasaran Produk Hasil Hutan Bukan Kayu Anyaman Bambu Melalui Pengenalan Sosialisasi Platform Online di Desa Padang Mainu Simalungun

HAFIZAH ARINAH , SAMSURI , IWAN RISNASARI , EVALINA HERAWATI

2024

Hak cipta nasional

PETA ZONASI KAWASAN HUTAN DENGAN TUJUAN KHUSUS (KHDTK) PANTAI GURAH, KABUPATEN BLITAR, PROPINSI JAWA TIMUR

SAMSURI , HENI MASRUROH , SYAMSU RIJAL

2021

Hak cipta nasional

Perencanaan Restorasi Lanskap Hutan Tropis

SAMSURI , ANITA ZAITUNAH

2021

Hak cipta nasional

Pengantar Analisis Digital, Perspektif Pengelolaan Sumberdaya Alam

SAMSURI , ANITA ZAITUNAH

2021

Hak cipta nasional

Pengantar Analisis Digital, Perspektif Pengelolaan Sumberdaya Alam

ANITA ZAITUNAH , SAMSURI