

Prof. Dr. Delvian, SP., MP.

Dosen Program Studi S1 Kehutanan
Fakultas Kehutanan
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Prof. Dr. Delvian, S.P., M.P. merupakan dosen tetap Program Studi Kehutanan Fakultas Kehutanan Universitas Sumatera Utara. Lahir di Tes, Kabupaten Rejang Lebong sebagai anak keenam dari pasangan Alm. H. Ibrahim Djaid dan Almh. Hj. Nurjani. Telah menikah dengan Dr. Idha Aprilyana Sembiring, S.H., M.Hum dan telah dikaruniai 2 orang anak Bernama Auzy Adzkia Alkhansa Villiani dan Syifa Syakhira Villiani. Memperoleh gelar Sarjana dari Fakultas Pertanian Universitas Bengkulu pada tahun 1993. Pada tahun 1995 - 1997 memperoleh Beasiswa URGE Batch II dari World Bank untuk mengikuti Program Magister Ilmu Pertanian di Program Pascasarjana Universitas Andalas. Selanjutnya pada tahun 1998 hingga 2003 mengikuti Pendidikan Program Doktor pada Program Studi Ilmu Pengetahuan Kehutanan, Program Pascasarjana Institut Pertanian Bogor dengan pembiayaan Beasiswa URGE Batch V dari World Bank. Sejak Desember 2002, Prof. Delvian mulai mengabdikan sebagai Dosen CPNS pada Program Studi Kehutanan, Fakultas Pertanian USU. Pada tahun 2004 beliau diangkat sebagai Dosen Tetap Program Studi Kehutanan, Fakultas Pertanian USU dalam Jabatan Asisten Ahli dmk Fisiologi Tumbuhan. Pada 1 April 2023 melalui SK Menteri Pendidikan, Kebudayaan, Riset dan Teknologi RI Nomor 287032/M/07/2023, Prof. Delvian diangkat menjadi Profesor/Guru Besar dalam bidang ilmu Fisiologi Tumbuhan. Selama berkarir, beliau pernah mendapat kepercayaan sebagai pengelola program studi pada tingkat Strata 1 dan juga Strata 3. Pada 2004 - 2010, beliau dipercaya sebagai Sekretaris Departemen Kehutanan Fakultas Pertanian USU. Selanjutnya, pada 2010 - 2015 beliau diangkat mejadi Sekretaris Program Studi Doktor Pengelolaan Sumberdaya Alam dan Lingkungan (PSL) SPs USU. Kemudian pada 2015 - 2017 beliau menjabat sebagai Ketua Program Studi Magister dan Doktor PSL SPs USU. Pada tahun 2017 hingga sekarang, beliau kembali diberi amanah sebagai Sekretaris Program Doktor PSL SPs USU. Selain mengajar dan mengelola program studi, Prof. Delvian juga aktif melakukan kegiatan penelitian ilmiah terutama dalam kajian baik dasar maupun terapan terkait dengan fungsi mikoriza arbuskula sebagai mikroba tanah bermanfaat. Prof. Delvian aktif dalam melakukan kegiatan pengabdian pada masyarakat terutama terkait dengan masalah dan isu lingkungan khususnya dalam bidang kehutanan. Selain itu, beliau juga sering melakukan kegiatan kajian teknis lapangan dengan beberapa Lembaga baik pemerintah maupun non-pemerintah, antara lain Dinas Lingkungan Hidup Propsu, Kementerian Lingkungan Hidup dan Kehutanan RI, serta The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

Publications

2026

Jurnal internasional bereputasi

Habitat assessment of mangrove planting on coral rubble coasts caused by earthquake

ZULKIFLI , DELVIAN

2026

Jurnal internasional bereputasi

Land cover changes and driving factors in highland peatlands of Humbang Hasundutan, Indonesia, based on multi-temporal remote sensing

SARAH PATUMONA MANALU , T SABRINA , RAHMAWATY , DELVIAN , ODING AFFANDI

2026

Jurnal internasional bereputasi

Key determinants of sustainable social forestry Implementation in North Sumatra, Indonesia: A MICMAC-based analysis

RAHMAWATY , R. HAMDANI HARAHAHAP , DELVIAN

2026

Prosiding seminar internasional

Performance Evaluation of Biopellets from Oil Palm Fronds and Mangrove Branch Wood through Biomass Blending

DELVIAN , JULIZA HIDAYATI , ARIF NURYAWAN , RAHMAWATY

2026
Jurnal internasional bereputasi

Urban Tree Health Assessment Using Forest Health Monitoring for Eco Forest City Planning in Medan, Indonesia

SURANTO, ST., MT , RAHMAWATY , ISNEN FITRI , LUTHFI HAKIM , DELVIAN , ABDUL RAUF

2026
Jurnal internasional bereputasi

Urban Tree Health Assessment Using Forest Health Monitoring for Eco Forest City Planning in Medan, Indonesia

DELVIAN , ABDUL RAUF , ISNEN FITRI , LUTHFI HAKIM , RAHMAWATY

2026
Jurnal internasional bereputasi

Land cover dynamics and surface water quality conditions in the Upper Wampu Watershed, Indonesia

ABDUL RAUF , RAHMAWATY , DELVIAN , DR IR RAHMANTA GINTING MSI

2026
Jurnal internasional bereputasi

Evolution and global trends in nature-based solutions for eco-city planning: a bibliometric analysis (2005-2025)

RAHMAWATY , ABDUL RAUF , ISNEN FITRI , DELVIAN

2026
Jurnal internasional bereputasi

Evolution and global trends in nature-based solutions for eco-city planning: a bibliometric analysis (2005-2025)

RAHMAWATY , ISNEN FITRI , ABDUL RAUF , DELVIAN , SURANTO, ST., MT , LUTHFI HAKIM

2026
Jurnal internasional bereputasi

Risk analysis of human-wildlife conflict in Leuser Ecosystem Area, Indonesia

ABDUL RAUF , RAHMAWATY , DELVIAN , R. HAMDANI HARAHAHAP

2026
Jurnal internasional bereputasi

Agroforestry-based plant diversity and its implications for ecosystem restoration in Gunung Leuser National Park, Indonesia

R. HAMDANI HARAHAHAP , Dr. ENDANG HILMI, SHut, MSI , ROBERT SIBARANI , DELVIAN , RAHMAWATY

2026
Jurnal nasional terakreditasi

Spatial Study of Land Cover Change and Degradation of Environmental Carrying Capacity of Settlements in the Coastal Area of Belawan Bahagia 2004-2025

RAHMAWATY , DELVIAN

2026
Jurnal internasional bereputasi

Study of Soil Erodibility in Its Relationship with Coffee Plant Productivity Based on Agr oductivity Based on Agroforestry in Silaen Sub-district, T y in Silaen Sub-district, Toba Regency

DR IR RAHMANTA GINTING MSI , DELVIAN , BADARUDDIN , FITRA SYAWAL HARAHAHAP , RAHMAWATY , ABDUL RAUF

2025
Artikel ilmiah

Pemanfaatan Jaring Perangkap Sampah di Pantai Merdeka,Bagan Kuala, Sumatera Utara

NELLY ANNA , AMEILIA ZULIYANTI SIREGAR , MOHAMMAD BASYUNI , NETTI HERLINA , DELVIAN , RIDWANTI BATUBARA , MASITTA TANJUNG , DIANA SOFIA HANAFIAH

2025
Jurnal internasional bereputasi

From biomass waste to climate action: characterizing of bioenergy pellet from oil palm fronds and branches wood of mangrove

ARIF NURYAWAN , RIZKI FADHILLAH LUBIS , DELVIAN , RAHMAWATY , JULIZA HIDAYATI

2025
Jurnal internasional bereputasi

Tree species distribution analysis for eco forest city development in Medan Belawan Subdistrict, North Sumatra, Indonesia

RAHMAWATY , ISNEN FITRI , LUTHFI HAKIM , ABDUL RAUF , DELVIAN , SURANTO, ST., MT

2025
Jurnal internasional bereputasi

Agroforestry-Based Plant Diversity and Its Implications for Ecosystem Restoration in Gunung Leuser National Park, Indonesia

R. HAMDANI HARAHAHAP , RAHMAWATY , DELVIAN , Dr. ENDANG HILMI, SHut, MSi

2025
Prosiding seminar internasional

Pemanfaatan Jaring Perangkap Sampah di Pantai Merdeka, Bagan Kuala, Sumatera Utara

NELLY ANNA , AMEILIA ZULIYANTI SIREGAR , MOHAMMAD BASYUNI , NETTI HERLINA , DELVIAN , RIDWANTI BATUBARA , MASITTA TANJUNG , DIANA SOFIA HANAFIAH

2025
Prosiding seminar internasional

Carbon stock of forest stand at montane bogs in the Gayo Highlands, Aceh

DELVIAN , RAHMAWATY , ZULFAN ARICO , R. HAMDANI HARAHAHAP , SITI LATIFAH , BUDI UTOMO , Seca Gandaseca , Iyan Robiansyah

2025
Jurnal nasional terakreditasi

Performance of Social Forestry Implementation at UPTD KPH IX Panyabungan

DELVIAN , ODING AFFANDI , RAHMAWATY , T ALIEF ATHTHORICK

2025
Jurnal nasional terakreditasi

Spatial Study of Land Cover Change and Degradation of Environmental Carrying Capacity of Settlements in the Coastal Area of Belawan Bahagia 2004-2025

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2025
Prosiding seminar internasional

Ecological analysis of tree-strata plants in the Pandumaan Sipituhuta Customary Forest Area

ROBERT SIBARANI , RAHMAWATY , DELVIAN , R. HAMDANI HARAHAHAP , Dr. ENDANG HILMI, SHut, MSi

2025
Jurnal nasional terakreditasi

ANALYSIS OF SOCIAL FORESTRY BUSINESS MANAGEMENT IN FOREST MANAGEMENT UNIT (FMU) REGION I STABAT LANGKAT REGENCY

ODING AFFANDI , DELVIAN

2025
Buku referensi

Natural Resources, Environment, and Food and Energy Security Updates in North Sumatra

HIMSAR AMBARITA , ILMI , AGUS PURWOKO , LUTHFI AZIZ MAHMUD SIREGAR , MAHYUDDIN , SITI LATIFAH , OPIM SALIM SITOMPUL , AYODHIA PITALOKA , FAHMI , NOVERITA SPRINSE VINOLINA , DARMA BAKTI , ROSMAYATI , SAHARMAN GEA , DIANA SOFIA HANAFIAH , IRVAN , TULUS , APRI HERI ISWANTO , DEWI MASYITHAH DARLAN , MOHAMMAD BASYUNI , ETTI SARTINA SIREGAR , RAHMAWATY , DELVIAN

2025
Prosiding seminar internasional

Ecological analysis of tree-strata plants in the Pandumaan Sipituhuta

Customary Forest Area

DELVIAN , ROBERT SIBARANI , RAHMAWATY , R. HAMDANI HARAHAP , Dr. ENDANG HILMI, SHut, MSi

2025

Prosiding seminar internasional

Society Perception and Participation in Mangrove Ecotourism in Pasar Rawa Village, Gebang District, Langkat Regency

HESTI WAHYUNINGSIH , DELVIAN

2025

Jurnal nasional terakreditasi

Tantangan Global dalam Menghadapi Perubahan Iklim dan Masa Depan Berkelanjutan dengan Rehabilitasi mangrove Di Desa Bagan Kuala, Serdang Bedagai

DENI ELFIATI , KIKING RITARWAN , YUNASFI , ETTI SARTINA SIREGAR , DELVIAN , BEJO SLAMET , ARIDA SUSILOWATI , IWAN RISNASARI , MOHAMMAD BASYUNI , AMEILIA ZULIYANTI SIREGAR , ERNI JUMILAWATY , DIANA SOFIA HANAFIAH , AHMAD BAIQUNI RANGKUTI , ORANG KAYA HASNANDA SYAHPUTRA , MEUTIA NAULY

2025

Prosiding seminar internasional

The implications of land use and land cover changes on the natural environment in North Sumatra

DELVIAN

2025

Jurnal internasional

Analysis of Human Resource Behavior in Solid Medical Waste Management: Case Study FromRegional Public Hospitals Drs. H. Amri Tambunan Deli Serdang, Indonesia

DELVIAN , SRI MALEM INDIRAWATI

2025

Prosiding seminar nasional

The Empowerment and Independence of Assisted Village, Bagan Kuala Through Various Community Services on Ecotourism, Ecoprint Development, Waste Management, and Malaria Eradication: Pemberdayaan dan Kemandirian Desa Binaan Bagan Kuala Melalui Berbagai Inisiatif Masyarakat yang Berfokus Pada Ekowisata, Pengembangan Ecoprint, Pengelolaan Sampah, dan Pemberantasan Malaria

DELVIAN

2025

Prosiding seminar internasional

Potential and distribution of Sikkam trees (Bischofia javanica Blume) in Sibolangit Nature Park, Sibolangit District, Deli Serdang Regency, North Sumatra Province

DELVIAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , ESTHER SORTA MAULI NABABAN

2025

Jurnal internasional bereputasi

Distribution and habitat suitability of Amorphophallus gigas with MaxEnt modeling in north Sumatra, Indonesia

ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , T ALIEF ATHTHORICK , ABDUL RAUF , DELVIAN

2025

Makalah ilmiah

Developing and assessing the cultural ecosystem services of mangroves in North Sumatra, Indonesia

MOHAMMAD BASYUNI , APRI HERI ISWANTO , DELVIAN , ETTI SARTINA SIREGAR , ARIDA SUSILOWATI , AHMAD BAIQUNI RANGKUTI , ERWIN RIYANTO ARDLI , DARMA BAKTI , DELIANA

2024

Jurnal nasional terakreditasi

ANALISIS PENDAPATAN USAHATANI TANAMAN HORTIKULTURA DI FOOD ESTATE HUMBANG HASUNDUTAN

DELVIAN , ABDUL RAUF

2024

Jurnal nasional terakreditasi

Membangun Sistem Partisipatif Pengendalian Perilaku-Nyampah Pengunjung Taman Wisata

DELVIAN , FIKARWIN , AGUSTRISNO , ZULKIFLI

2024

Jurnal nasional

Evaluating Fisheries Livelihoods: Socio-Economic Dimensions and Management Challenges

HESTI WAHYUNINGSIH , DELVIAN

2024

Jurnal internasional bereputasi

Vegetation structure of associated flora in Amorphophallus gigas Teijsm. & Binn.(Araceae) habitats, North Padang Lawas Regency, North Sumatra

ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , DELVIAN , T ALIEF ATHTHORICK

2024

Jurnal internasional

Vegetation structure of associated flora in Amorphophallus gigas Teijsm. & Binn.(Araceae) habitats, North Padang Lawas Regency, North Sumatra

ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , DELVIAN , T ALIEF ATHTHORICK , Mohd Hasmadi Ismail

2024

Prosiding seminar internasional

A Review of Topogenous Peatland Management in Humbang Hasundutan Regency

T SABRINA , SARAH PATUMONA MANALU , DELVIAN

2024

Jurnal internasional bereputasi

Vegetation structure of associated flora in Amorphophallus gigas Teijsm. & Binn. (Araceae) habitats, North Padang Lawas Regency, North Sumatra

T ALIEF ATHTHORICK , ESTHER SORTA MAULI NABABAN , ABDUL RAUF , RIDAHATI RAMBEY , RAHMAWATY , DELVIAN

2024

Jurnal internasional bereputasi

Vegetation structure of associated flora in Amorphophallus gigas Teijsm. & Binn. (Araceae) habitats, North Padang Lawas Regency, North Sumatra

ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , DELVIAN , T ALIEF ATHTHORICK , Mohd Hasmadi Ismail

2024

Prosiding seminar internasional

Natural Growth Model of Amorphophallus gigas from Simandiangan Hamlet, Sungai Kanan District, North Sumatr

RAHMAWATY , ESTHER SORTA MAULI NABABAN , RIDAHATI RAMBEY , T ALIEF ATHTHORICK , Mohd Hasmadi Ismail , Seca Gandaseca , DELVIAN , ABDUL RAUF

2024

Prosiding seminar internasional

Natural Growth Model of Amorphophallus gigas from Simandiangan Hamlet, Sungai Kanan District, North Sumatra

RIDAHATI RAMBEY , T ALIEF ATHTHORICK , ESTHER SORTA MAULI NABABAN , RAHMAWATY , DELVIAN

2024

Prosiding seminar internasional

Habitat preferences of Amorphopahllus sp. Silaiya village, Sayur Matinggi District, North Sumatra, Indonesia

RIDAHATI RAMBEY , RAHMAWATY , ABDUL RAUF , ESTHER SORTA MAULI NABABAN , DELVIAN , T ALIEF ATHTHORICK

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

DELVIAN , MOHAMMAD BASYUNI , ELHAM SUMARGA , SITI HALIMAH LAREKENG , SITI LATIFAH , NURDIN SULISTIYONO , Hayssam M Ali , BEJO SLAMET

2023

Jurnal internasional bereputasi

Model combination of biodigester and composter

TAUFIQ BIN NUR , IRVAN , DELVIAN

2023

Prosiding seminar internasional

Utilization of effluent biodigester as a bioactivactor for the decomposition of rice husk (Oryza sativa) into compost

TAUFIQ BIN NUR , DELVIAN , IRVAN

2023

Prosiding seminar internasional

Potential analysis of Nipa Palm (Nypa Fruticans) in Singkil

TAVI SUPRIANA , ELISA JULIANTI , DELVIAN

2022

Jurnal nasional terakreditasi

Agroforestry-Based Land Management in the Food Estate Area of Ria-Ria Village, Pollung District, Humbang Hasundutan Regency, North Sumatra

DENI ELFIATI , RIDAHATI RAMBEY , DELVIAN

2022

Prosiding seminar internasional

Potential analysis of Nipa Palm (Nypa Fruticans) in Singkil

DELVIAN , TAVI SUPRIANA , ELISA JULIANTI

2022

Jurnal internasional bereputasi

Model combination of biodigester and composter

TAUFIQ BIN NUR , IRVAN , DELVIAN

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Jurnal nasional terakreditasi

VEGETATION ANALYSIS OF MOUNT SIPISO-PISO FOREST AREA, MEREK DISTRICT, KARO REGENCY, NORTH SUMATRA

DELVIAN , T ALIEF ATHTHORICK

2022

Jurnal nasional terakreditasi

ANALYSIS OF THE NEED FOR GREEN OPEN SPACE BASED ON OXYGEN REQUIREMENT IN MEDAN CITY

BEJO SLAMET , DELVIAN

2022

Jurnal internasional

Vegetation and Species Diversity in a Mountain Region of Sipiso-piso, North Sumatra

DELVIAN , T ALIEF ATHTHORICK

2022

Prosiding seminar internasional

Exploring endophytic fungi from Rhizophora spp leaves for improving plant growth

DENI ELFIATI , DELVIAN

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Jurnal internasional bereputasi

Short Communication: Occurrence of arbuscular mycorrhizal fungi associated with Casuarina equisetifolia in saline sandy environment, North Sumatra, Indonesia

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Jurnal internasional bereputasi

Occurrence of arbuscular mycorrhizal fungi associated with *Casuarina equisetifolia* in saline sandy environment, North Sumatra, Indonesia

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2022

Jurnal internasional bereputasi

Occurrence of arbuscular mycorrhizal fungi associated with *Casuarina equisetifolia* in saline sandy environment, North Sumatra, Indonesia

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Prosiding seminar internasional

Conservation Bioprospecting: A New Approach to Conserve the World's Longest Snake, *Python reticulatus* Schneider, 1801.

DELVIAN , HADI S ALIKODRA , ERNI JUMILAWATY

2022

Jurnal nasional terakreditasi

Mangrove Utilization as Sources of Ruminant Feed in Belawan Secanang Subdistrict, Medan Belawan District

MARUF TAFSIN , DELVIAN

2022

Jurnal internasional bereputasi

Use of traditional medication on the health of women and children of the Togutil tribe in North Moluccas Province

FIKARWIN , DELVIAN , ROBERT SIBARANI

2022

Prosiding seminar internasional

Utilization of effluent biodigester as a bioactivator for the decomposition of rice husk (*Oryza sativa*) into compost

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2022

Prosiding seminar internasional

Potential analysis of Nipa Palm (*Nypa Fruticans*) in Singkil

DELVIAN , ELISA JULIANTI , TAVI SUPRIANA

2021

Jurnal internasional bereputasi

The undergrowth composition and distribution in different forest area utilization

BUDI UTOMO , TERNALA ALEXANDER BARUS , DELVIAN

2021

Prosiding seminar internasional

Use of biopolybag from tapioca starch and sawdust waste

DELVIAN , IWAN RISNASARI , ARIF NURYAWAN

2021

Prosiding seminar internasional

The effect of forest land allocation on understory plant species associations

TERNALA ALEXANDER BARUS , BUDI UTOMO , DELVIAN

2021

Jurnal nasional

Cultivation of Tilapia (*Oreochromis niloticus*) using the silvofishery method in Tanjungrejo, Percut Sei Tuan, North Sumatra Province

DELVIAN , RIDAHATI RAMBEY , IPANNA ENGGAR SUSETYA , AMANATUL FADHILAH , DENI ELFIATI

2021

Jurnal internasional bereputasi

Improved Salt Tolerance of Lamtoro (*Leucaena leucocephala*) through the

Application of Indigenous Mycorrhiza

DELVIAN

2021

Prosiding seminar internasional

Utilization of sugar palm (*Arenga pinnata* Merr) by the communities around the PT Toba Pulp Lestari

DELVIAN , AGUSSABTI , ZULKIFLI

2021

Prosiding seminar internasional

Glomus etunicatum improved salt tolerance in *Dalbergia latifolia* Roxb. Through physiological adjustment

DELVIAN

2021

Jurnal internasional bereputasi

Potential of phosphate solubilizing fungi isolated from peat soils as inoculant biofertilizer

DENI ELFIATI , DELVIAN , HAMIDAH HANUM , ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2021

Prosiding seminar internasional

Effect of land use type on arbuscular mycorrhizal fungi diversity in high altitude of Karo Highland

DELVIAN

2021

Lain-lain

Cultivation of Tilapia (*Oreochromis niloticus*) using the silvofishery method in Tanjungrejo, Percut Sei Tuan, North Sumatra Province

RIDAHATI RAMBEY , IPANNA ENGGAR SUSETYA , DENI ELFIATI , DELVIAN

2021

Jurnal internasional bereputasi

Organic Substances Reduction in Palm Oil Mill Effluent (POME) After Cultivation with Locally Isolated Microalgae

HESTI WAHYUNINGSIH , ERMAN MUNIR , DELVIAN

2020

Jurnal internasional bereputasi

THE GROWTH, PRODUCTION OF SORGHUM (*SORGHUM BICOLOR* [L.] MOENCH) AND CHANGES IN CHEMICAL SOIL PROPERTIES DUE TO THE TREATMENT OF MULCH AND ORGANIC FERTILIZER

DELVIAN , T IRMANSYAH , ABDUL RAUF

2020

Jurnal internasional bereputasi

The Growth, Production of Sorghum (*Sorghum bicolor* {L.} Moench) and Changes in Chemical Soil Properties Due To the Treatment of Mulch and Organic Fertilizer

DELVIAN , ABDUL RAUF , T IRMANSYAH

2020

Jurnal internasional bereputasi

SOIL CHARACTERISTICS OF DRY LAND IN INDRAPURI AND BLANG BINTANG SUBDISTRICTS OF ACEH BESAR REGENCY, ACEH PROVINCE, INDONESIA

DELVIAN , T IRMANSYAH , ABDUL RAUF

2020

Jurnal internasional

The Opportunity of Understorey Species to Absorb Secondary Metabolites in the Soil (Case Study in IUPHHK - Industrial Plantation Forests PT. Toba Pulp Lestari, Tbk)

2020

Prosiding seminar internasional

The marketing strategy for sugar palm (*Arenga pinnata*) by people around the protected forest aren HPHTI of Toba Pulp Lestari

DELVIAN , AGUSSABTI , IWAN RISNASARI , ZULKIFLI

2020

Prosiding seminar internasional

The roles of FMA in increasing growth and effectiveness of soybean roots on dry land supporting sustainable agriculture in Deli Serdang District

CHAIRANI HANUM L , DELVIAN

2020

Prosiding seminar internasional

Determination of the most dominant cause factors due to erosion in the farmland of Sibolangit sub-district

DELVIAN , ZULKIFLI , ABDUL RAUF

2019

Prosiding seminar internasional

The distribution of non-timber forest products in the protected areas (case study at PT Toba Pulp Lestari concession)

DELVIAN , ZULKIFLI , AGUSSABTI

2019

Prosiding seminar internasional

Isolation and identification of decomposer fungi from *Macaranga indica* and *Hibiscus macrophyllus* leaf litter from restoration area of Gunung Leuser National Park

DENI ELFIATI , DELVIAN

2019

Prosiding seminar internasional

Characteristics and Morphology of Biodegradable Plastics from Oil Palm Waste for Agricultural and Forestry Applications

DELVIAN , IWAN RISNASARI , ARIF NURYAWAN , RIDWANSYAH

2019

Prosiding seminar internasional

Land cover change analysis of Besitang watershed

BEJO SLAMET , DELVIAN

2019

Jurnal nasional terakreditasi

Growth Rate of *Rhizophora apiculata* Propaguls in Two Sylvofishery Ponds in Tanjung Rejo Village Percut Sei Tuan District

DELVIAN , RIDAHATI RAMBEY

2019

Prosiding seminar internasional

Utilization of plants colonized by mycorrhizal fungi to reduce Lead in the soil: Greenhouse study

DELVIAN

2019

Prosiding seminar internasional

Effect of salinity on spore germination, hyphal length and root colonization of the Arbuscular Mycorrhizal Fungi

DELVIAN , RIDAHATI RAMBEY

2019

Prosiding seminar internasional

Changes in some characters of soybean leaves inoculated with mycorrhiza in salinity stress

2019

Jurnal nasional

Agroforestry Land Management with the Community of Candi Rejo Village, Biru-Biru District, Deli Serdang, North Sumatra

DENI ELFIATI , DELVIAN , RIDAHATI RAMBEY

2019

Prosiding seminar internasional

Effect of salinity on spore germination, hyphal length and root colonization of the Arbuscular Mycorrhizal Fungi

RIDAHATI RAMBEY , DELVIAN

2018

Prosiding seminar internasional

Decomposition rate of Rhizopora stylosa litter in Tanjung Rejo Village, Deli Serdang Regency, North Sumatera Province

DELVIAN , RIDAHATI RAMBEY

2018

Prosiding seminar internasional

Predicting size limit of wild blood python (python brongersmai stull, 1938) harvesting in north sumatera

DELVIAN , ERNI JUMILAWATY

2018

Artikel ilmiah

Growth of locally isolated microalga in POME to produce lipid as alternative energy sources

ERMAN MUNIR , DELVIAN , HESTI WAHYUNINGSIH

2018

Prosiding seminar internasional

Production of Lipid Biomass in Locally Isolated Microalga Cultivated in Palm Oil Mill Effluent (POME)

HESTI WAHYUNINGSIH , DELVIAN , ERMAN MUNIR

2018

Prosiding seminar internasional

Decomposition rate of Rhizopora stylosa litter in Tanjung Rejo Village, Deli Serdang Regency, North Sumatera Province

DELVIAN , RIDAHATI RAMBEY

2017

Jurnal nasional terakreditasi

Degradasi Zat Organik Pada Limbah Cair Industri Kelapa Sawit Oleh Mikroalga Hijau

HESTI WAHYUNINGSIH , ERMAN MUNIR , DELVIAN

2013

Jurnal internasional

Land use change and simulation of hydrological response using integrated NRCS model and base flow for ecohydrological concept at Krueng Peusangan watershedÂ ...

ZULKIFLI , DELVIAN , ICHWANA

Researches

2026

Penelitian Kerjasama Antar Perguruan Tinggi

Strategi Pemulihan Mangrove Melalui Model Pengelolaan Ekowisata Berkelanjutan Berbasis Kearifan Lokal Dalam Mendukung Peningkatan

Perekonomian Masyarakat Pesisir Desa Nelayan Seberang

AULIA PUTRA DAULAY , BEJO SLAMET , HANNA TRESIA SILALAHI , DELVIAN , RATNA SARI

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

2018

Penelitian Dana Lokal Perguruan Tinggi

Komposit Plastik Dengan Pengisi Serat Berlignoselulosa Untuk Polybag Yang Ramah Lingkungan Serta Pengaruhnya Terhadap Pertumbuhan Tanaman

IWAN RISNASARI , ARIF NURYAWAN , DELVIAN

2018

Penelitian Dana Lokal Perguruan Tinggi

Fungi Mikoriza Arbuskula dan Salinitas Tanah Serta Potensi Isolatnya dari Ekosistem Pantai

RIDAHATI RAMBEY , DELVIAN

2017

Penelitian Dana Lokal Perguruan Tinggi

Dinamika Sporulasi Fungi Mikoriza Arbuskula pada Tegakan Casuarina equisetifolia Terkait Perubahan Musim dan Variasi Sifat Tanah

RIDAHATI RAMBEY , DELVIAN

Community Services

2026

Ipteks

Pendampingan Masyarakat Dalam Pemulihan Pendidikan Pasca Banjir Di Langkat Sumatera Utara

SAMSURI , MOHAMMAD BASYUNI , RAHMAWATY , BEJO SLAMET , MUHDI , DENI ELFIATI , KANSIH SRI HARTINI , ARIDA SUSILOWATI , BUDI UTOMO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , ANITA ZAITUNAH , ONRIZAL , AGUS PURWOKO , SITI LATIFAH , DELVIAN , AFIFUDDIN DALIMUNTHE , YUNASFI , ODING AFFANDI , NELLY ANNA , HAFIZAH ARINAH , STEVAN PEDRO SINAGA , DALILAH SALSABILA ZIAWA , ADILVI OKA ARISENA SINABUTAR , WINDY ANGELIKA BR GURUSINGA

2026

Ipteks Bagi Masyarakat

Model Desa Mandiri Peyangguh 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

2025

PEMBUATAN PERSEMAIAN SEBAGAI UPAYA AKLIMATISASI BIBIT POHON LANGKA

AHMAD BAIQUNI RANGKUTI , SAMSURI , MOHAMMAD BASYUNI , RAHMAWATY , BEJO SLAMET , MUHDI , DENI ELFIATI , KANSIH SRI HARTINI , ARIDA SUSILOWATI , ORANG KAYA HASNANDA SYAHPUTRA , BUDI UTOMO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , ANITA ZAITUNAH , ONRIZAL , AGUS PURWOKO , SITI LATIFAH , DELVIAN , AFIFUDDIN DALIMUNTHE , NOVITA ANGGRAINI , YUNASFI , ODING AFFANDI , NELLY ANNA , HAFIZAH ARINAH

2025

Penanaman Pohon Multiguna Sebagai Salah Satu Alternatif Sumber Pangan Dalam Rangka Mendukung Ketahanan Pangan

AHMAD BAIQUNI RANGKUTI , SAMSURI , MOHAMMAD BASYUNI , RAHMAWATY , BEJO SLAMET , MUHDI , DENI ELFIATI , KANSIH SRI HARTINI , ARIDA SUSILOWATI , BUDI UTOMO , FAUJIAH NURHASANAH RITONGA , DEANOVA FRESTIANA BR PELAWI , ANITA ZAITUNAH , ONRIZAL , AGUS PURWOKO , SITI LATIFAH , DELVIAN , AFIFUDDIN DALIMUNTHE , NOVITA ANGGRAINI , YUNASFI , ODING AFFANDI , NELLY ANNA , HAFIZAH ARINAH

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

Ipteks

Penanaman Bambu di Arboretum USU dalam mendukung Pembangunan Taman Koleksi Bambu Dunia di Kampus 2 USU

AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MOHAMMAD BASYUNI , DENI ELFIATI , KANSIH SRI HARTINI , IWAN RISNASARI , ARIDA SUSILOWATI , TITO SUCIPTO , BUDI UTOMO , EVALINA HERAWATI , ONRIZAL , ARIF NURYAWAN , DELVIAN , AFIFUDDIN DALIMUNTHE , LUTHFI HAKIM , RIDWANTI BATUBARA , YUNASFI , HARISYAH MANURUNG , RUDI HARTONO , ODING AFFANDI , NELLY ANNA

2024

Ipteks Bagi Masyarakat

Pembentukan Kompos Centre sebagai Wadah Pengabdian dan Pembelajaran pada Masyarakat di Kecamatan Pantai Labu, Kabupaten Deli Serdang.

SARIFUDDIN , NUR ULINA WARNISYAH SEBAYANG , LUTHFI AZIZ MAHMUD SIREGAR , MARIANI BR SEMBIRING , SATIA NEGARA LUBIS , T SABRINA , DELVIAN , T IRMANSYAH

2024

Peran media Sosial Dalam Mendorong Kesadaran dan Pembelian Produk Halal Dikalangan Generasi Alpha Pada SMP Al-Azhar Medan

TENGKU ERRY NURADI , SATIA NEGARA LUBIS , ZULKIFLI , SURYA HARDI , MUHAMMAD TURMUZI , HAMIDAH HARAHAP , DELVIAN , MUHAMMAD HENDRA S GINTING

2024

PENANAMAN VEGETASI MANGROVE DALAM UPAYA PENCEGAHAN ABRASI DI PANTAI MANGROVE NAGALAWAN

AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MOHAMMAD BASYUNI , DENI ELFIATI , KANSIH SRI HARTINI , IWAN RISNASARI , ARIDA SUSILOWATI , TITO SUCIPTO , BUDI UTOMO , EVALINA HERAWATI , ONRIZAL , ARIF NURYAWAN , DELVIAN , AFIFUDDIN DALIMUNTHE , LUTHFI HAKIM , YUNASFI , HARISYAH MANURUNG , RUDI HARTONO , NELLY ANNA , MEUTIA NAULY

2023

MEMBANGUN SISTEM PENGENDALIAN PERILAKU NYAMPAH PENGUNJUNG TAMAN WISATA MANGROVE KAMPUNG NIPAH MELALUI PENDEKATAN KEBUDAYAAN (EDUKASI, PENGORGANISASIAN DAN PENYEDIAAN SARANA PENAMPUNG SAMPAH)

AGUSTRISNO , FIKARWIN , DELVIAN , ZULKIFLI DRS MA

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

2021

Pengelolaan Lahan Berbasis Agroforestry di Wilayah Food Estate Desa Ria-Ria, Kecamatan Pollung, Kabupaten Humbang Hasundutan, Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , DELVIAN

2020

Penelitian Unggulan Perguruan Tinggi

Pengelolaan Ekosistem Mangrove dengan Metode Silvofishery di Desa Tanjung Rejo, Kecamatan Percut Sei Tuan, Provinsi Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , AMANATUL FADHILAH , IPANNA ENGGAR SUSETYA , DELVIAN

2018

Ipteks Bagi Masyarakat

Teknologi Penanaman Avicennia marina pada Lahan Mangrove Pantai Timur Sumatera Utara

2018

Ipteks Bagi Masyarakat

Teknologi Penanaman Avicennia marina pada Lahan Mangrove Pantai Timur Sumatera Utara

DENI ELFIATI , DELVIAN

2018

Ipteks Bagi Masyarakat

Teknologi Penanaman Avicennia marina pada Lahan Mangrove Pantai Timur Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , DELVIAN

2017

Ipteks Bagi Masyarakat

Penanaman Jenis Rhizopora di Hutan Mangrove Percut Sei Tuan Pantai Timur Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , DELVIAN

2016

Ipteks Bagi Masyarakat

Penerapan Teknologi Silvofishery dalam Pengelolaan Kawasan Mangrove yang Berkelanjutan

RIDAHATI RAMBEY , EDY BATARA MULYA SIREGAR , DELVIAN

2016

Ipteks Bagi Masyarakat

Penerapan Teknologi Silvofishery dalam Pengelolaan Kawasan Mangrove yang Berkelanjutan

EDY BATARA MULYA SIREGAR , DELVIAN

2016

Ipteks Bagi Masyarakat

Pembangunan Kebun Benih Tanaman Gaharu (Aquilaria malaccensis) sebagai Upaya Konservasi dan Penyediaan Bibit Unggul dan Berkualitas

RIDAHATI RAMBEY , EDY BATARA MULYA SIREGAR , DELVIAN

2016

Ipteks Bagi Masyarakat

Penerapan Teknologi Silvofishery dalam Pengelolaan Kawasan Mangrove yang Berkelanjutan

EDY BATARA MULYA SIREGAR , DELVIAN

2024

EDUKASI DAN PELATIHAN PEMBUATAN THE JERUJU DALAM MENINGKATKAN RAGAM USAHA KELOMPOK PERHUTANAN SOSIAL DI DESA PASAR RAWA KECAMATAN GEBANG KABUPATEN LANGKAT

AHMAD BAIQUNI RANGKUTI , APRI HERI ISWANTO , MOHAMMAD BASYUNI , DENI ELFIATI , KANSIH SRI HARTINI , IWAN RISNASARI , ARIDA SUSILOWATI , TITO SUCIPTO , BUDI UTOMO , EVALINA HERAWATI , ONRIZAL , ARIF NURYAWAN , DELVIAN , AFIFUDDIN DALIMUNTHE , LUTHFI HAKIM , RIDWANTI BATUBARA , YUNASFI , HARISYAH MANURUNG , RUDI HARTONO , NELLY ANNA

Intellectual Property Rights

2026

Hasil penelitian/pemikiran yang tidak dipublikasikan

Aplikasi Asam Humik dan Aktivator Orgadec terhadap Pertumbuhan Bibit Suren (Toona Sureni) pada Tanah Pasca Tambang Emas (Kelurahan Simpang Gambir, Kecamatan Lingga Bayu…

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