

Afifuddin Dalimunthe,, SP., MP.

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

📍 Bekala Campus 2 USU, Simalingkar A, Pancur Batu, Deli Serdang, 20353, North Sumatra, Indonesia

🌐 fhut.usu.ac.id/en/lecturer/afifuddin-dalimunthe,-sp.-mp

Afifuddin Dalimunthe, S.P., M.P is one of the teaching staff at the Faculty of Forestry, Universitas Sumatera Utara since 2002. Mr. Afif, as he is familiarly called, was born on November 5, 1973. He pursued his undergraduate education at the Faculty of Agriculture, Universitas Sumatera Utara. After successfully completing his undergraduate studies in 1999, he continued his education at the same campus and graduated in 2004 with a Master of Science (M.Si) degree. During his career as a lecturer, Afifuddin has conducted various research and community service activities and published them in various scientific works such as journals and proceedings.

Publications

2026

Prosiding seminar internasional

Application of Trichoderma sp. 1 on Rhizophora mucronata leaf litter and its effect on milkfish feed in Belawan Sicanang, North Sumatra2

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE , AMANATUL FADHILAH , IPANNA ENGGAR SUSETYA

2025

Prosiding seminar internasional

Application of Various Manures to the Growth of Rhizophora apiculata Seedlings in Pulau Sembilan, Pangkalan Susu, North Sumatra

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2025

Prosiding seminar internasional

The influence of ZnCl₂ activation on the activated charcoal properties made from indonesian sugar palm (Arenga longipes) fronds

LUTHFI HAKIM , AFIFUDDIN DALIMUNTHE , JULIANA , ULFA ZAHARA HASIBUAN , Yunida Syafriani Lubis , Jayusman

2025

Prosiding seminar internasional

Seedling growth of Rhizophora stylosa regarding the use of various types of fertilizer in Dusun II Pulau Sembilan Village, Pangkalan Susu District, Langkat Regency, North Sumatra

BUDI UTOMO , AFIFUDDIN DALIMUNTHE , YUNASFI

2025

Prosiding seminar internasional

Application of fungi Aspergillus sp. on decomposition leaf litter Avicennia marina as a source of milkfish feed in Sicanang Belawan

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2025

Prosiding seminar internasional

Organic fertilizer application to increase growth Rhizophora stylosa in Dusun IV, Sembilan Island Village, Pengkalan Susu District, Langkat Regency

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2025

Jurnal nasional

APLIKASI BERBAGAI JENIS FUNGI UNTUK MENINGKATKAN

PERTUMBUHAN BIBIT RHIZOPHORA APICULATA DI DESA PULAU SEMBILAN KECAMATAN PANGKALAN SUSU KABUPATEN LANGKAT

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2025

Prosiding seminar internasional

Avicennia marina leaf litter decomposition rate and its impact on milkfish growth in Sicanang Belawan Medan

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2025

Jurnal internasional bereputasi

Diversity of fungal species and decomposition of Rhizophora mucronata leaf litter in the Deli Belawan River Estuary, North Sumatra, Indonesia

YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE , IPANNA ENGGAR SUSETYA , AMANATUL FADHILAH

2025

Prosiding seminar internasional

Growth response of Parapat mango growing in critical land catchment area of Lake Toba with input of compost briquettes and additional NPK fertiliser

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2024

Prosiding seminar internasional

Diversity of Fungi that Play a Role in Decomposing Rhizophora mucronata Leaf Litter in the Lower Deli River

YUNASFI , AFIFUDDIN DALIMUNTHE

2024

Prosiding seminar internasional

Identification of Fungi that Decompose Avicennia marina Leaf Litter at 21-30 ppt Salinity Level to Improve Sustainability of Mangrove Ecosystem

BUDI UTOMO , AFIFUDDIN DALIMUNTHE , YUNASFI

2024

Prosiding seminar internasional

Forest composition and carbon reserves in Bukit Barisan Forest Park, Dolat Rayat Village, Karo District

LUTHFI HAKIM , BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2024

Prosiding seminar internasional

Decomposition rate of Rhizophora mucronata leaf litter and identification of fungi in mangrove ecosystems in Pulau Sembilan, Pangkalan Susu District, Langkat Regency

AMANATUL FADHILAH , YUNASFI , AFIFUDDIN DALIMUNTHE , ZULHERI NOER

2024

Prosiding seminar internasional

Diversity of fungi species that decompose Ceriops tagal leaf litter on Pulau Sembilan, Langkat Regency

AFIFUDDIN DALIMUNTHE , AMANATUL FADHILAH , YUNASFI , ZULHERI NOER

2024

Jurnal internasional bereputasi

Diversity of MPTS (Multi Purpose Tree Species) in the Forest Area with Special Purpose (KHDTK)

BUDI UTOMO , AFIFUDDIN DALIMUNTHE , MOHAMMAD BASYUNI

2024

Jurnal nasional terakreditasi

RESPONSE OF RHIZOPHORA APICULATA SEEDLING GROWTH TO THE APPLICATION OF SEVERAL TYPES OF FERTILIZERS IN PULAU SEMBILAN, PANGKALAN SUSU DISTRICT, LANGKAT REGENCY

AFIFUDDIN DALIMUNTHE , YUNASFI , IPANNA ENGGAR SUSETYA , BUDI UTOMO

2024

Prosiding seminar internasional

The planting distance from the beach and its effect on the growth of *Rhizophora apiculata*

YUNASFI , AFIFUDDIN DALIMUNTHE

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 internasional bereputasi

The usage of various fungi species has allowed the *Avicennia marina* to develop more swiftly in Belawan and Pulau Sembilan

AMANATUL FADHILAH , YUNASFI , BUDI UTOMO , AFIFUDDIN DALIMUNTHE , ANITA ZAITUNAH , IPANNA ENGGAR SUSETYA

2023

Jurnal nasional terakreditasi

Species of fungi involved in the decomposition of *Rhizophora apiculata* leaf litter on Pulau Sembilan

ZULHERI NOER , AMANATUL FADHILAH , AFIFUDDIN DALIMUNTHE , BUDI UTOMO , YUNASFI

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

Prosiding seminar internasional

Species diversity of fungi decomposer of *Rhizophora stylosa* leaf litter in mangrove ecosystem Pulau Sembilan Langkat Regency

ZULHERI NOER , AMANATUL FADHILAH , AFIFUDDIN DALIMUNTHE , YUNASFI

2023

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

2023

Jurnal nasional terakreditasi

The Fungal Development During The Leaf Litter Process Decomposition of *Avicennia marina*

YUNASFI , AFIFUDDIN DALIMUNTHE

2022

Prosiding seminar internasional

Analysis of methyl compounds variation in the crude *Pongamia pinnata* oil from Banten, West Java and North Java populations

LUTHFI HAKIM , AFIFUDDIN DALIMUNTHE

2022

Prosiding seminar internasional

Season, basal media and plant growth regulators effect in wood plant in vitro propagation: a comprehensive review

LUTHFI HAKIM , AFIFUDDIN DALIMUNTHE

2022

Prosiding seminar internasional

The effect of distance planting of red mangrove (*Rhizophora apiculata*) on Pulau Sembilan, PangkalanSusu District, Langkat Regency

YUNASFI , AFIFUDDIN DALIMUNTHE

2022
Prosiding seminar internasional

The use of chicken manure, lowland peat and highland peat briquettes on the growth of *Macadamia integrifolia* in an arid area of Pematang Tambun Village, Simalungun Regency

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2022
Prosiding seminar internasional

The use of oil palm fruits waste bricks and manure in relationship as groundwater resistance materials to increase plant growth in critical land

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2022
Prosiding seminar internasional

***Rhizophora Apiculata* on Copper and Lead Heavy Metal Substances and Their Effect on Water Quality in Belawan**

RUSDI LEIDONALD , YUNASFI , AFIFUDDIN DALIMUNTHE

2021
Jurnal internasional

Utilization of low plants peat bricks for macadamia (*Macadamia integrifolia*) planting

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2021
Prosiding seminar internasional

***Rhizophora stylosa* as a protector against overwhelming copper (Cu) and lead (Pb) metal substances and how they affect on Belawan's water quality**

YUNASFI , AFIFUDDIN DALIMUNTHE , RUSDI LEIDONALD

Researches

2025
Penelitian Dana Lokal Perguruan Tinggi

UPAYA PENINGKATAN KEBERHASILAN PROGRAM REHABILITASI DTA DANAU TOBA DENGAN MEMPELAJARI DAN MEMANFAATKAN SPECIES-SPECIES POHON ADAPTIF

LILY FAUZIA , BUDI UTOMO , AFIFUDDIN DALIMUNTHE , YUNASFI

2024
Penelitian Dana Lokal Perguruan Tinggi

PEMANFAATAN FUNGI UNTUK DEKOMPOSISI SERASAH DAUN MANGROVE *Rhizophora mucronata* SEBAGAI SUMBER PAKAN ORGANISME DI EKOSITEM MANGROVE TAHUN KE-2

ZULHERI NOER , AMANATUL FADHILAH , AFIFUDDIN DALIMUNTHE , YUNASFI

2023
Penelitian Dana Lokal Perguruan Tinggi

PEMANFAATAN FUNGI UNTUK DEKOMPOSISI SERASAH DAUN MANGROVE *Rhizophora mucronata* SEBAGAI SUMBER PAKAN ORGANISME DI EKOSITEM MANGROVE

AMANATUL FADHILAH , AFIFUDDIN DALIMUNTHE , YUNASFI

2021
Penelitian Dana Lokal Perguruan Tinggi

LOGAM BERAT TEMBAGA (Cu) DAN TIMBAL (Pb) PADA MANGROVE *Rhizophora stylosa* DAN *Rhizophora apiculata* DAN PENGARUHNYA TERHADAP KUALITAS AIR DI BELAWAN

AFIFUDDIN DALIMUNTHE , YUNASFI , RUSDI LEIDONALD

Community Services

2025

INISIASI PUSAT LOKASI USAHA KECIL DAN MENENGAH MASYARAKAT DESA MENGGUNAKAN KIOS MODERN DI DESA TUNTUNGAN II, KECAMATAN PANCUR BATU, KABUPATEN DELI SERDANG

MARHENI , LILY FAUZIA , AFIFUDDIN DALIMUNTHE

2024

IPTEK Pengamanan Kawasan Mesjid Desa Menggunakan Perangkat Lunak CCTV Dan Penerangan Berbasis Listrik Tenaga Surya

LILY FAUZIA , AFIFUDDIN DALIMUNTHE

2023

PENGEMBANGAN DESTINASI WISATA DALAM UPAYA MENINGKATKAN PEREKONOMIAN MASYARAKAT DESA PARDOMUAN AJIBATA KECAMATAN AJIBATA KABUPATEN TOBA

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2023

IPTEK PENERANGAN JALAN UMUM UNTUK MENCIPTAKAN KEAMANAN BAGI WARGA DESA TUNTUNGAN II KECAMATAN PANCUR BATU

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2023

IPTEK PEMBUATAN MESIN PEMIPIL JAGUNG SEBAGAI UPAYA MENINGKATKAN PRODUKTIVITAS PETANI DESA PANSUR NAPITU KECAMATAN SIATAS BARITA KABUPATEN TAPANULI UTARA

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2022

Ipteks Bagi Masyarakat

Iptek Pembuatan Mesin Pemipil Jagung Sebagai Upaya Meningkatkan Produktivitas Petani Desa Pansur Napitu Kecamatan Siatas Barita Kabupaten Tapanuli Utara

BUDI UTOMO , AFIFUDDIN DALIMUNTHE

2014

Penelitian Hibah Bersaing

Penggunaan Berbagai Media Penahan Air dalam Rangka Meningkatkan Keberhasilan Tumbu

2014

Ipteks Bagi Masyarakat

Model Penerapan Ipteks Pembuatan Kompos Untuk Mengatasi Kerusakan Lingkungan Aki

2013

Ipteks Bagi Masyarakat

Penerapan Iptek Pembuatan Kompos untuk Mengatasi Kerusakan Lingkungan Akibat Pem

2013

Penelitian Hibah Bersaing

PENINGKATAN KETAHANAN TANAMAN KARET Hevea brasiliensis MUELL. Arg) TERHADAP CEKA

2013

Penelitian Hibah Bersaing

Penggunaan Berbagai Media Penahan Air dalam Rangka Meningkatkan Keberhasilan Tumbu

