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Dr. Yunasfi, a Lecturer at the Faculty of Forestry, Universitas Sumatera Utara (USU). He has been teaching since 2001. He completed his undergraduate education at Andalas University and graduated with a Bachelor of Agriculture (S.P.) in 1991. He then continued his studies at the Bogor Agricultural Institute (IPB) and graduated in 1998. At the same university, he continued his doctoral studies with a focus on mangrove ecology and graduated in 2006. With his knowledge of plant pests and diseases and the basics of forest protection, this man, born on November 19, 1967, joined the USU Faculty of Forestry Department of Forest Cultivation. As a lecturer, Dr. Yunasfi is actively involved in the Tri Dharma of Higher Education, which includes education, research, and community service, and publishes his work in various reputable journals and proceedings. In between his busy schedule, Dr. Yunasfi is also actively involved in various research and community service activities in mangrove ecosystems as a manifestation of his love for the environment, especially mangrove ecosystems. To date, he has written various scientific publications on mangrove ecosystems and has become a reference for the development of science.

Publications

2026

Prosiding seminar internasional

Fungal diversity associated with *Avicennia marina* under contrasting mangrove conditions in North Sumatra

BUDI UTOMO , YUNASFI , MUHDI

2026

Jurnal internasional bereputasi

Biodiversity and Spatial Distribution of Hornbills in Pondok Buluh Educational Forest, North Sumatra, Indonesia

MOHAMMAD BASYUNI , YUNASFI , BUDI UTOMO

2025

Prosiding seminar internasional

Effectiveness of various types of manure on seedling growth *Rhizophora apiculata* on the coast of Pulau Sembilan Village, Pangkalan Susu, North Sumatra

YUNASFI , IPANNA ENGGAR SUSETYA , AMANATUL FADHILAH

2025

Prosiding seminar internasional

Response of *Rhizophora apiculata* Seed Growth to Application of Various Types of Fertilizer in Lubuk Kertang Village, Pangkalan Brandan Barat, North Sumatra

YUNASFI , MOHAMMAD BASYUNI

2025

Jurnal internasional bereputasi

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

YUNASFI , MOHAMMAD BASYUNI

2025
Prosiding seminar internasional

Diversity species of leaf litter decomposer fungi *Avicennia marina* at a salinity 11-20 ppt in The downstream of The Deli Belawan River

YUNASFI

2025
Prosiding seminar internasional

Identification of fungi in *Avicennia marina* leaf litter decomposition in the estuary of the Deli River, Belawan District

YUNASFI

2025
Prosiding seminar internasional

Identification of microplastics in the digestive tract of Great Egret (*Egretta alba*) in Percut Sei Tuan, North Sumatra

ERNI JUMILAWATY , YUNASFI , ERMAN MUNIR , ASTRID FAUZIA DEWINTA

2024
Artikel ilmiah

Identification of microplastics in the digestive tract of Great Egret (*Egretta alba*) in Percut Sei Tuan, North Sumatra

ERNI JUMILAWATY , YUNASFI , ERMAN MUNIR , ASTRID FAUZIA DEWINTA

2024
Prosiding seminar internasional

The growth of *Rhizophora apiculata* with various spacing from the beach

DESRITA , YUNASFI

2024
Jurnal nasional

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

ORANG KAYA HASNANDA SYAHPUTRA , YUNASFI

2023
Jurnal internasional

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

YUNASFI , ORANG KAYA HASNANDA SYAHPUTRA

2023
Jurnal nasional

Pemberian Fungi *Aspergillus* sp 1. Pada Serasah Daun *A. marina* Terhadap Pertumbuhan Ikan Bandeng Di Belawan

YUNASFI

2023
Prosiding seminar internasional

Response of *Rhizophora apiculata* Seed Growth to Application of Various Types of Fertilizer in Lubuk Kertang Village, Pangkalan Brandan Barat, North Sumatra

YUNASFI , MOHAMMAD BASYUNI

2023
Prosiding seminar internasional

The Effect of Plant Distance on Mangrove Plant (*Rhizophora Apiculata*) in Selected Coastal Coast in Indonesia

YUNASFI , IPANNA ENGGAR SUSETYA

2022
Prosiding seminar internasional

Analysis of the effect of seed growth (*Rhizophora apiculata*) on the distance of land from the beach in of Pulau Sembilan Pangkalan Susu District Langkat Regency

AMANATUL FADHILAH , YUNASFI

2022

Prosiding seminar internasional

Effectiveness of various types of manure on seedling growth *Rhizophora apiculata* on the coast of Pulau Sembilan Village, Pangkalan Susu, North Sumatra

YUNASFI , IPANNA ENGGAR SUSETYA , AMANATUL FADHILAH

2022

Prosiding seminar internasional

The effect of planting distance on seeds *Rhizophora apiculata* from the coast to the northeast on Pulau Sembilan, Pangkalan Susu District, Langkat Regency

YUNASFI

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

2021

Prosiding seminar internasional

Diversity of fungi in decomposition process the *Avicennia marina* leaf litter at various level of salinity

YUNASFI

2021

Prosiding seminar nasional

Logam Berat Tembaga (Cu) Dan Timbal (Pb) Pada Mangrove *Avicennia marina* Dan Pengaruhnya Terhadap Kualitas Air Laut Di Kawasan Pesisir Belawan Sumatera Utara

BUDI UTOMO , YUNASFI

2021

Prosiding seminar nasional

Aplikasi Fungi *Aspergillus niger*, *Aspergillus* sp. 1, *Aspergillus* sp. 2 Untuk Meningkatkan Pertumbuhan *Rhizophora apiculata* Di Kecamatan Pangkalan Susukabupaten Langkat

YUNASFI , BUDI UTOMO

2021

Prosiding seminar internasional

Diversity of Fungi in Decomposition Process the *Avicennia Marina* Leaf Litter at Various Level of Salinity

YUNASFI , DESRITA , IPANNA ENGGAR SUSETYA , RUSDI LEIDONALD

2021

Prosiding seminar nasional

Analisis Kandungan Tembaga (Cu) Dan Timbal (Pb) Pada Mangrove *Rhizophora mucronata* Di Kawasan Pesisir Belawan Sumatera Utara

YUNASFI

2021

Prosiding seminar nasional

Pengaplikasian Berbagai Jenis Fungi dalam Meningkatkan Pertumbuhan Bibit *Rhizophora stylosa* di Desa Pulau Sembilan Kecamatan Pangkalan Susu Kabupaten Langkat

YUNASFI

2021

Prosiding seminar nasional

Aplikasi Fungi Terhadap Tanaman Bakau *Rhizophora mucronata* Di Pesisir Pantai Pulau Sembilan Kecamatan Pangkalan Susu Kabupaten Langkat

BUDI UTOMO , YUNASFI

2021

Prosiding seminar internasional

Application of fungi *Aspergillus* sp. From leaf litter *Rhizophora mucronata* Lamk. From accelerate decomposition on various salinity levels in Belawan

YUNASFI

2021

Prosiding seminar internasional

Application of *Aspergillus fumigatus* from *Rhizophora mucronata* leaves that have decomposition in various salinity levels in Belawan

YUNASFI

2021

Prosiding seminar internasional

Impact of different salt levels on the seedling growth and root development of *Bruguiera sexangula* for the regeneration of mangroves

YUNASFI

2021

Prosiding seminar internasional

Application of *Trichoderma* sp. To leaf litter decomposition (*Rhizophora mucronata*) on various salinity levels in Belawan

YUNASFI

2021

Prosiding seminar internasional

Application of different various species of fungi to increase growth of *Avicennia marina* 300 m from the coastline in Belawan and Pulau Sembilan

YUNASFI

2020

Prosiding seminar nasional

Aplikasi Fungi *Aspergillus niger*, *Aspergillus* sp. 1, *Aspergillus* sp. 2 Untuk Meningkatkan Pertumbuhan *Rhizophora apiculata* Di Kecamatan Pangkalan Susukabupaten Langkat

YUNASFI , BUDI UTOMO

2020

Prosiding seminar nasional

Logam Berat Tembaga (Cu) Dan Timbal (Pb) Pada Mangrove *Avicennia marina* Dan Pengaruhnya Terhadap Kualitas Air Laut Di Kawasan Pesisir Belawan Sumatera Utara

BUDI UTOMO , YUNASFI

2020

Prosiding seminar nasional

Aplikasi Fungi Pada Semai *Rhizophora apiculata* Di Pesisir Pantai Pulau Sembilan Kecamatan Pangkalan Susu

YUNASFI , BUDI UTOMO

2020

Prosiding seminar nasional

Aplikasi Fungi Pada Semai *Rhizophora apiculata* Di Pesisir Pantai Pulau Sembilan Kecamatan Pangkalan Susu

BUDI UTOMO , YUNASFI

2020

Jurnal internasional bereputasi

THE EFFECT OF PARANET SHADE ON THE GROWTH AND MORPHOLOGICAL CHARACTERISTICS IN SIX SPECIES OF MANGROVE SEEDLING

YUNASFI , MOHAMMAD BASYUNI

2019

Jurnal internasional bereputasi

The heavy metal of cuprum (Cu) and lead(Pb) content in *Avicennia marina* and *Rhizophora mucronata*

2019

Jurnal internasional bereputasi

The heavy metal of cuprum (Cu) and lead(Pb) content in Avicennia marina and Rhizophora mucranata

DESRITA , YUNASFI

2018

Jurnal internasional bereputasi

Abundance and Ponderal Index of White Shrimp (Penaeus merguensis) in Estuary Water

YUNASFI , MISWAR BUDI MULYA

2017

Jurnal nasional terakreditasi

Dekomposisi serasah daun mangrove Rhizophora apiculata di Desa Bagan Asahan, Kecamatan Tanjungbalai, Kabupaten Asahan, Provinsi Sumatera Utara

YUNASFI

2017

Jurnal nasional terakreditasi

Morfometri dan Daya Tampung Beban Pencemaran Danau Pondok Lapan di Kabupaten Langkat, Sumatra Utara

YUNASFI , AHMAD MUHTADI

2017

Jurnal nasional

KEANEKARAGAMAN MAKROZOOBENTOS SEBAGAI BIOINDIKATOR DI PERAIRAN ESTUARI SUAKA MARGASATWA KARANG GADING KABUPATEN DELI SERDANG (The diversity of macrozoobenthos as a bioindicator&A ...

YUNASFI , MISWAR BUDI MULYA

2017

Jurnal internasional bereputasi

A study of potential control of watermold saprolegnia Sp. of Gouramy (Osphonemus gouramy) eggs by bacterial Isolates

ERMAN MUNIR , DWI SURYANTO , YUNASFI

2017

Jurnal nasional terakreditasi

Kelimpahan dan pola pertumbuhan kepiting bakau (Scylla serrata) di hutan mangrove Kelurahan Belawan Sicanang, Kecamatan Medan Belawan, Provinsi Sumatera Utara The abundance and growth pattern of mangrove crab (Scylla serrata) in mangrove forest, Village of Belawan Sicanang, District of Medan Belawan, Province of North Sumatera

DESRITA , YUNASFI

2016

Jurnal internasional bereputasi

A Study of Potential Control of Watermold Saprolegnia Sp. of Gouramy (Osphonemus gouramy) Eggs by Bacterial Isolates

DWI SURYANTO , YUNASFI , ERMAN MUNIR

2016

Jurnal nasional terakreditasi

Identifikasi dan Tipe Habitat Ikan Gelodok (Famili: Gobiidae) di Pantai Bali Kabupaten Batu Bara Provinsi Sumatera Utara

AHMAD MUHTADI , YUNASFI

2016

Jurnal nasional

Uji Toksisitas Letal dan Subletal Logam Berat Merkuri (Hg) Terhadap Ikan Nilem (Osteochilus hasselti)

2016

Jurnal nasional terakreditasi

Uji Toksisitas Letal dan Subletal Logam Berat Merkuri (Hg) Terhadap Ikan Nilem (*Osteochilus hasselti*)

ASRUL SIREGAR , YUNASFI

2016

Jurnal nasional terakreditasi

Status Limnologis Danau Siombak, Kota Medan Provinsi Sumatera Utara

RUSDI LEIDONALD , YUNASFI , AHMAD MUHTADI

2015

Jurnal nasional terakreditasi

Pola pengelolaan ekowisata mangrove di Pantai Bali Desa Mesjid Lama Kecamatan Talawi Kabupaten Batu Bara Provinsi Sumatera Utara

YUNASFI , AHMAD MUHTADI

2015

Jurnal nasional terakreditasi

Struktur komunitas biologi di Danau Pondok Lapan, Kabupaten Langkat Provinsi Sumatera Utara Biological community structure of Pondok Lapan Lake, Langkat Regency, North Sumatera Province

AHMAD MUHTADI , YUNASFI

2026

Jurnal nasional

FUNGSI FISIK MANGROVE SEBAGAI PENAHAN ABRASI DI PESISIR KOTA MEDAN PROVINSI SUMATERA UTARA (Physical Function of Mangrove as Retaining Abrasion at the Coastal of Medan, North

YUNASFI , ZULHAM APANDY HARAHAHAP

Researches

2025

Penelitian Dana Lokal Perguruan Tinggi

PEMANFAATAN *Aspergillus* sp. 1 PADA SERASAH DAUN *Rhizophora apiculata* SEBAGAI SUMBER PAKAN IKAN BANDENG DI EKOSISTEM MANGROVE

BUDI UTOMO , IPANNA ENGGAR SUSETYA , YUNASFI

2024

Penelitian Unggulan Perguruan Tinggi

Optimasi Ekstraksi Natural Deep Eutectic Solvent (NADES) dan Formulasi Nanoemulsi dari Ekstrak Bakau Abu-Abu (*Avicennia marina*) sebagai Pengobatan Alopecia androgenic dan Perawatan Rambut

JULIA REVENY , BAYU EKO PRASETYO , HAFID SYAHPUTRA , YUNASFI

2023

Penelitian Fundamental

Dekomposisi serasah daun *Rhizophora mucronata* dan *Avicennia marina* oleh fungi pada berbagai tingkat salinitas dan penyedia pakan perairan Belawan

BUDI UTOMO , IPANNA ENGGAR SUSETYA , YUNASFI

2023

Penelitian Fundamental

ANALISIS DAN IDENTIFIKASI MIKROPLASTIK PADA BURUNG KUNTUL (*EGRETTA* SPP) DI PERCUT SEI TUAN

ERNI JUMILAWATY , ASTRID FAUZIA DEWINTA , ERMAN MUNIR , YUNASFI

2026

Ipteks Bagi Masyarakat

Penanaman mangrove sebagai upaya pencegahan kerusakan lingkungan pesisir dengan menggunakan berbagai macam jenis fungi di Desa Pulau Sembilan, Kecamatan Pangkalan Susu, Kabupaten Langkat

AMANATUL FADHILAH , IPANNA ENGGAR SUSETYA , YUNASFI

2025

Ipteks Bagi Masyarakat

PENGUNAAN Trichoderma virens, Trichoderma harzianum DAN Aspergillus sp. UNTUK PENANAMAN MANGROVE Rhizophora apiculata DI PULAU SEMBILAN KECAMATAN PANGKALAN SUSU KABUPATEN LANGKAT

AMANATUL FADHILAH , IPANNA ENGGAR SUSETYA , YUNASFI

2025

Ipteks Bagi Masyarakat

PENGUNAAN Trichoderma virens, Trichoderma harzianum DAN Aspergillus sp. UNTUK PENANAMAN MANGROVE Rhizophora apiculata DI PULAU SEMBILAN KECAMATAN PANGKALAN SUSU KABUPATEN LANGKAT

AMANATUL FADHILAH , IPANNA ENGGAR SUSETYA , YUNASFI

2023

Ipteks Bagi Masyarakat

PENANAMAN MANGROVE Rhizophora apiculata DENGAN APLIKASI BERBAGAI JENIS JAMUR DI PULAU SEMBILAN KECAMATAN PANGKALAN SUSU KABUPATEN LANGKAT

IPANNA ENGGAR SUSETYA , YUNASFI

2023

Ipteks Bagi Masyarakat

PENANAMAN MANGROVE Rhizophora apiculata DENGAN APLIKASI BERBAGAI JENIS JAMUR DI PULAU SEMBILAN KECAMATAN PANGKALAN SUSU KABUPATEN LANGKAT

IPANNA ENGGAR SUSETYA , YUNASFI

2023

Ipteks Bagi Masyarakat

KEGIATAN PROGRAM DESA BINAAN DI DESA BAGAN KUALA KECAMATAN TANJUNG BERINGIN KABUPATEN SERDANG BEDAGAI

MOHAMMAD BASYUNI , YUNASFI

2022

Ipteks Bagi Masyarakat

PENGUNAAN Aspergillus sp. 1, Trichoderma harzianum DAN Curvularia lunata UNTUK PENANAMAN MANGROVE Rhizophora apiculata DI PULAU SEMBILAN KECAMATAN PANGKALAN SUSU KABUPATEN LANGKAT

IPANNA ENGGAR SUSETYA , YUNASFI

2019

Aplikasi Fungi Terhadap Tanaman Bakau Rhizophora mucronata Di Pesisir Pantai Pulau Sembilan Kecamatan Pangkalan Susu Kabupaten Langkat

BUDI UTOMO , YUNASFI

2019

Pengaplikasian Berbagai Jenis Fungi dalam Meningkatkan Pertumbuhan Bibit Rhizophora stylosa di Desa Pulau Sembilan Kecamatan Pangkalan Susu Kabupaten Langkat

YUNASFI

2026

Paten nasional

**SEDIAAN NANOEMULSI HAIR TONIC YANG MENGANDUNG EKSTRAK
ETANOL BATANG TERAS BAKAU API-API (Avicennia Marina (Forssk.) Vierh)
SEBAGAI PENUMBUH RAMBUT**

HAFID SYAHPUTRA , YUNASFI , JULIA REVENY , BAYU EKO PRASETYO