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## Publications

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2025

Prosiding seminar internasional

### **Potential of bacteria from mangrove forest sediment in degrading low density polyethylene**

ERMAN MUNIR

2025

Prosiding seminar internasional

### **Decolorization potential of laccase producing fungi isolated from forest floor**

ERMAN MUNIR

2025

Jurnal internasional bereputasi

### **Bioactive Compounds from *Trentepohlia aurea* as Potential Antibacterial Agents Targeting DNA Gyrase: An In Vitro and In Silico Approach**

ERMAN MUNIR, NURSAHARA PASARIBU

2025

Jurnal internasional bereputasi

### **Culturable Waterborne Bacteria from Mangrove Forests and their Decolorization Potential**

ERMAN MUNIR

2025

Prosiding seminar internasional

### **Antimicrobial and antioxidant properties of the lichens *Coccocarpia palmicola*, *Parmotrema clavuliferum* and *Parmotrema tinctorum***

ERMAN MUNIR, OKY KUSUMA ATNI

2024

Jurnal internasional bereputasi

### **Chemical profiling of fungal metabolites via the OSMAC approach: Novel identification of *Brianthein W* from an endophytic fungus, *Hypomontagnella monticulosa* Zg15SU**

ERMAN MUNIR

2024

Jurnal internasional bereputasi

### **Cultivation of Antioxidant-Producing Endophytic Fungus in *Rhizophora apiculata* Mangrove Plants**

DENNY BENDRIANIS, MIFTHAHUL JANNAH, YETRIA RILDA, SITI ZAHARANI ZALAMAH, PUTRA SANTOSO, ERMAN MUNIR

2024

Prosiding seminar internasional

### **Fungi from mangrove forest and their potential for decolorization**

ERMAN MUNIR

2024

## **The Diversity of Fungi in Landfill and their Potential to Degrade Plastic**

ERMAN MUNIR

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2024

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AHMAD FAISAL NASUTION , ERMAN MUNIR

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2024

## **Cultivation of Antioxidant-Producing Endophytic Fungus in Rhizophora apiculata Mangrove Plants**

ERMAN MUNIR

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2024

## **Urease from Vigna umbellata seeds: isolation, partial purification, characterization and antifungal activity**

ERMAN MUNIR

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2024

## **Cultivation of Antioxidant-Producing Endophytic Fungus in Rhizophora apiculata Mangrove Plants**

ERMAN MUNIR

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2024

## **Grasshopper (Oxya chinensis) Gut Bacteria and their Cellulolytic Activity**

ERMAN MUNIR

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2024

## **Grasshopper (Oxya chinensis) Gut Bacteria and their Cellulolytic Activity**

AHMAD FAISAL NASUTION , ERMAN MUNIR

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2023

## **In silico analysis on bioactive properties of Griffithiine, a terpenoid-alkaloid from Zingiber griffithii Baker**

ERMAN MUNIR

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2022

## **Occurrence of microbial community on plastic wastes in Terjun Landfill, North Sumatra**

ERMAN MUNIR

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2022

## **Potential of cellulolytic fungi isolated from the intestine of Asiatic rhinoceros beetle ( Oryctes rhinoceros)**

ERMAN MUNIR

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2022

## **Potential of landfill microbes in hydrocarbon degradation**

ERMAN MUNIR

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2022

## **Molecular docking analysis of Allium chinense compounds as Secreted Aspartyl Proteinase-5 (SAP5) inhibitor**

ERMAN MUNIR

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2022  
Artikel ilmiah

## **Growth Tolerance of *Trichoderma afroharzianum* JRE 1A, a Zingiberaceous Root Fungal Endophyte to Profenofos and $\gamma$ -Cyhalothrin**

ERMAN MUNIR

2021  
Prosiding seminar internasional

## **Isolation and screening of local cellulolytic fungi from the digestive tract larvae of *Oryctes rhinoceros* L., North Sumatra**

ERMAN MUNIR

2021  
Jurnal internasional bereputasi

## **Physicochemical characteristics, nutrients, and fish production in different types of mangrove forests in North Sumatra and the Aceh Provinces of Indonesia**

ERMAN MUNIR

2021  
Jurnal internasional bereputasi

## **Antagonistic Activity of Endophytic Fungi Isolated from *Globba patens* Miq. Rhizome against Human Pathogenic Bacteria.**

ERMAN MUNIR

2021  
Jurnal internasional bereputasi

## **Microsatellite analysis to evaluate the seedling and mature of oil palm populations (*Elaeis guineensis* Jacq.) to *Ganoderma boninense* resistance**

ERMAN MUNIR

2021  
Artikel ilmiah

## **Antifungal activity and IAA production by endophytic fungi isolated from *Elettaria* sp**

ERMAN MUNIR

2021  
Jurnal internasional bereputasi

## **HOUSEHOLD WASTE MANAGEMENT STRATEGY TOWARD ZERO WASTE CITY: A CASE STUDY OF BANDA ACEH**

ERMAN MUNIR

2021  
Jurnal internasional bereputasi

## **Analysis of the composition of household waste from the community within the framework of a waste prevention and reduction strategy**

ERMAN MUNIR

2020  
Jurnal internasional bereputasi

## **Colonization of *Trichoderma* spp. in rhizome of five zingiberaceous species from north Sumatra, Indonesia.**

ERMAN MUNIR

2020  
Jurnal internasional bereputasi

## **Molecular identification of endophytic fungi from torch ginger (*Etlingera elatior*) antagonist to phytopathogenic fungi**

ERMAN MUNIR

2020  
Jurnal internasional bereputasi

## **Promoting keratinase activity from newly identified strain *strenotrophomonas maltophilia* b6 through optimization and characterization**

ERMAN MUNIR

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2020  
Jurnal internasional bereputasi

**Keratinase activity of a newly keratinolytic bacteria, azotobacter chroococcum B4**

ERMAN MUNIR

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2020  
Artikel ilmiah

**Assessment of oil palm plantation in South Tapanuli using remote sensing and geographic information system in the last three decades**

ERMAN MUNIR

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2019  
Artikel ilmiah

**Microbe population in biofertilizer with vermicompost as a carrier during the process and storage**

ERMAN MUNIR

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2018  
Jurnal internasional bereputasi

**Landscape planning and economic valuation of mangrove ecotourism using gis and google earth image**

ERMAN MUNIR

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2017  
Jurnal internasional

**BACTERIA EXTRACT ACTIVITY ASSOCIATED WITH SPONGES *Haliclona* sp.2 AND *Axinellid* sp. AS ANTIBACTERIAL**

ERMAN MUNIR

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## Researches

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2023

**Kajian Etnobotani, Potensial Distribusi Geografis Dan Konservasi Genetik Durian Langka Indigenous Sumatera (*Durio Graveolens* Becc.) Serta Pemanfaatannya Secara Berkelanjutan**

VAUZIA , ERMAN MUNIR , SYAMSUARDI

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2022

**PEMURNIAN DAN KARAKTERISASI SELULASE DARI KUMBANG TANDUK DAN KEMAMPUAN SELULOLITIKNYA**

ERMAN MUNIR

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2022  
Penelitian Disertasi Doktor

**Karakterisasi Biosurfaktan dari Dua Isolat Lokal Sumatera Utara Pengurai Pestisida**

ERMAN MUNIR

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2021

**Potensi antioksidan dan antikanker dari metabolit jamur endofit asal *Amomum centrocephalum***

ERMAN MUNIR

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## Community Services

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2022

**Pengenalan IPTEK bekorsa secara aseptis pada petani jamur tiram Kota Medan**

ERMAN MUNIR

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2021

**PENINGKATAN PEMASARAN JAMUR TANKOS KELAPA SAWIT DI DESA TANDUKEN RAGA KABUPATEN DELI SERDANG**

ERMAN MUNIR

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2020

**PEMANFAATAN LIMBAH TANDAN KOSONG KELAPA SAWIT SEBAGAI MEDIA PERTUMBUHAN JAMUR MERANG**

ERMAN MUNIR

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## **Intellectual Property Rights**

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2022

Paten nasional

**Senyawa scalaradial hasil ekstraksi biomas jamur endofit (*hypomontagnella meticulosa*) sebagai antikanker kolon**

ERMAN MUNIR

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