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## Publications

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2024

Prosiding seminar internasional

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

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

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

2022

Jurnal internasional

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

DELVIAN, T ALIEF ATHTHORICK

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

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### **Types of lichen at Tenggulun Restoration Station, Leuser Ecosystem Area (LEA), Aceh Tamiang, Aceh Province, Indonesia**

ETTI SARTINA SIREGAR, T ALIEF ATHTHORICK

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

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 nasional terakreditasi

### **Identification of Factors and Variables in Orangutan Habitat Conservation in Central Tapanuli Using DPSIR Approach**

2022

Jurnal nasional terakreditasi

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

DELVIAN , T ALIEF ATHTHORICK

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

2026

Jurnal internasional bereputasi

## **Land suitability assessment for mangrove-based silvofishery in North Sumatra, Indonesia**

MOHAMMAD BASYUNI , T ALIEF ATHTHORICK

2025

Jurnal nasional

## **Spatial Analysis of the Distribution of Heavy Metals Pb and Cb in Well Water Around Terjun Landfill in Medan City**

T SABRINA , T ALIEF ATHTHORICK , BEJO SLAMET , RAHMAWATY , RAIHAN ULIYA

2025

Jurnal internasional

## **Management strategies for natural tourism and non-timber forest products support the protection of The Gunung Leuser National Park Buffer Area in mitigating climate change**

R. HAMDANI HARAHAP , RAHMAWATY , T ALIEF ATHTHORICK , ABDUL RAUF , Peter Aning Tedong , Takahiro Fujiwara , Mohd Hasmadi Ismail

2018

Artikel ilmiah

## **Stand structure and carbon stock of tree vegetation in Deleng Macik Taman Hutan Raya Bukit Barisan Karo District, North Sumatra, Indonesia**

T ALIEF ATHTHORICK , NURSAHARA PASARIBU

2023

Jurnal nasional terakreditasi

## **Kajian Risiko Multi Ancaman Bencana Alam di Kecamatan Tanah Pinem Kabupaten Dairi**

ABDUL RAUF , T ALIEF ATHTHORICK

2013

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## **Taxonomic Study of Pandanus (Pandanaceae) in Swamp Area, Aceh Singkil**

T ALIEF ATHTHORICK , NURSAHARA PASARIBU

2019

Artikel ilmiah

## **Ethnobotanical Study of Fodder Plant Species used by the Batak Parmalim Communities in Toba Samosir, Indonesia**

T ALIEF ATHTHORICK , R. HAMDANI HARAHAP , NURSAHARA PASARIBU

2022

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## **Ethnobiological study of Hare, a traditional food in the Parmalim community, North Sumatra, Indonesia**

NURSAHARA PASARIBU , T ALIEF ATHTHORICK

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

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### **Community Perception and Participation in the Initiation of the Tapanuli Orangutan Corridor (Pongo tapanuliensis Nater, 2017) in Hutaimbaru, Luat Lombang Village, Sipirok District, South Tapanuli Regency**

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### **Land Suitability for Seasonal Crops: Limiting Factors and SDG-Aligned Management Strategies**

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2024

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### **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

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### **Analisis Kesesuaian Habitat, Struktur, Komposisi Dan Keanekaragaman Pohon Pada Habitat Orangutan Tapanuli Di Koridor Hutaimbaru**

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### **Analysis of land cover and potential habitat conservation for tapanuli orangutans (Pongo tapanuliensis) in South Tapanuli, Indonesia**

MA RIFATIN ZAHRAH , T ALIEF ATHTHORICK , HESTY TRIANI

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### **Vegetation Composition and Carbon Storage Potential at Tree and Pole Levels in the Gunung Leuser National Park Area, Bukit Lawang, Bahorok District, Langkat Regency, North Sumatra**

ETTI SARTINA SIREGAR , T ALIEF ATHTHORICK , OKY KUSUMA ATNI , AHMAD LUTHFI ABDILLAH NASUTION , PUTRI AMELIA LUBIS , SINTA R PARDOSI , HERMANSYAH , SAFIRA MUSTAQILLA , SITI MARDHATILLAH

2021

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### **Scientific Writing Coaching Class for Teachers in Sibolga City**

T ALIEF ATHTHORICK , SOVIA LENNY , SAHARMAN GEA , YUAN ALFINSYAH SIHOMBING

2024

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### **Habitat preferences of Amorphophallus sp. Silaiya village, Sayur Matinggi District, North Sumatra, Indonesia**

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

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### **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

# Researches

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2022

Penelitian Disertasi Doktor

## **Model Pengelolaan Tumbuhan Biopestisida di TNBG Mandailing Natal Sumatera Utara**

RAHMAWATY , ABDUL RAUF , T ALIEF ATHTHORICK , YUNUS AFIFUDDIN

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# Community Services

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2013

Penelitian Hibah Bersaing

## **Nilai Kepentingan Budaya dan Analisis Vegetasi Hasil Hutan Bukan Kayu untuk Kon**

2020

Ipteks Bagi Masyarakat

## **Penulisan Karya Ilmiah bagi Guru-Guru di Kota Sibolga**

SAHARMAN GEA , YUAN ALFINSYAH SIHOMBING , T ALIEF ATHTHORICK , SOVIA LENNY

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2021

Ipteks Bagi Inovasi Kreativitas Kampus

## **PENINGKATAN KEMAMPUAN MELAKUKAN PENELITIAN BERBASIS KEARIFAN LOKAL**

SAHARMAN GEA , T ALIEF ATHTHORICK , TAUFIQ BIN NUR

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2018

## **Pembuatan Suplemen Pakan Ternak dan Obat Alami untuk Meningkatkan Produksi dan Mengurangi Tingkat Kematian Ayam Potong di Desa Namorih Pancur Batu Deli Serdang**

HESTI WAHYUNINGSIH , T ALIEF ATHTHORICK

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2022

Ipteks Bagi Masyarakat

## **Diversifikasi produk sebagai strategi pengembangan usaha pengolahan green bean dan roast bean pada umkm Rooster koffie**

T ALIEF ATHTHORICK , HOTNIDA SINAGA , HAMIDAH HARAHAP

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2024

Ipteks Bagi Masyarakat

## **Pengolahan Kulit Buah Durian Menjadi Lotion Anti Nyamuk Alami untuk pencegahan Demam Berdarah dalam mencapai Kehidupan Sehat di Desa Bandar Setia Kecamatan Percut Sei Tuan Kabupaten Deli Serdang**

T ALIEF ATHTHORICK , MIMMY SARI SYAH PUTRI , MISWAR BUDI MULYA , EVI PUSPITA SARI , PRISKILA BR TALAUMBANUA , FITRI RAHMADHANI SIREGAR

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2014

Penelitian Unggulan Perguruan Tinggi

## **Model Pengelolaan Taman Wisata Alam Sicikeh-cikeh untuk Pelestarian Tumbuhan Dil**

2013

Penelitian Hibah Bersaing

## **Nilai Kepentingan Budaya dan Analisis Vegetasi Hasil Hutan Bukan Kayu untuk Kon**

2025

Ipteks Bagi Masyarakat

## **Pemanfaatan Eco-Enzym Sebagai Pestisida Nabati Untuk Mencegah Serangan Hama Lalat Buah dan Ulat Daun di Kecamatan Medan Tuntungan Sumatera Utara**

T ALIEF ATHTHORICK , MIMMY SARI SYAH PUTRI , MISWAR BUDI MULYA , EVI PUSPITA SARI , FITRI RAHMADHANI

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### **Penyuluhan, Pelatihan Dan Pengaplikasian Pengolahan Kulit Buah Durian Menjadi Lotion Anti Nyamuk Alami Untuk Pencegahan Demam Berdarah Dalam Mencapai Kehidupan Sehat Di Desa Bandar Setia Kecamatan Percut Sei Tuan Kabupaten Deli Serdang**

EVI PUSPITA SARI, PRISKILA BR TALAUMBANUA, FITRI RAHMADHANI SIREGAR, T ALIEF ATHTHORICK, MIMMY SARI SYAH PUTRI, MISWAR BUDI MULYA

2024

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### **Etnobotani Dan Etnoekologi Masyarakat Parmalim Di Kabupaten Samosir Dan Toba Sumatera Utara**

NURSAHARA PASARIBU, R. HAMDANI HARAHAP, T ALIEF ATHTHORICK