

# Dr. Ir Ma'rifatin Zahrah, M.Si

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

✉ marifatin@usu.ac.id

📍 Kampus 2 USU Bekala, Simalingkar A, Pancur Batu, Deli Serdang, 20353, Sumatera Utara, Indonesia

☎ 081377090568

🌐 [fhut.usu.ac.id/en/lecturer/ma'rifatin-zahrah](http://fhut.usu.ac.id/en/lecturer/ma'rifatin-zahrah)

*Dr. Ir. Ma'rifatin Zahrah, M.Si., was born in Semarang, Central Java, on May 5, 1964. She is the second of six siblings, born to Mirza Muhammad Muhdi and Siti Fadhlun. She pursued her undergraduate studies at the Department of Forestry, Faculty of Agriculture, Hasanuddin University, Makassar, from 1983 to 1988, with a focus on wildlife conservation. In 1998, she continued her studies at the master's level at the Graduate School of IPB (Bogor Agricultural University), maintaining her consistency in the field of Forestry Science, and completed her degree in 2002.*

*Later, she pursued her Doctoral Program from 2009 to 2014 at the Graduate School of Universitas Sumatera Utara, choosing a program still related to forestry, namely the Natural Resources and Environmental Management (PSL) program. She remained dedicated to the wildlife conservation/ecology field, and her dissertation was titled: "Habitat Suitability Analysis for the Conservation of Sumatran Elephants (*Elephas maximus sumatranus*) by Constructing a Habitat Index."*

*Dr. Ma'rifatin Zahrah began her career as a civil servant lecturer at the Regional Higher Education Coordinating Board (Kopertis Wilayah I) and was stationed at the Pante Kulu Forestry College in Banda Aceh from 1994 to 2017. In 2003, she started teaching at the USU Undergraduate Program in Forestry, albeit initially as an adjunct lecturer. She became a permanent lecturer at the USU Faculty of Forestry in 2018 until now, specializing in Forest Resource Conservation (KSH).*

## Publications

2025

Prosiding seminar internasional

### **Spatial Analysis of The Availability Of Public Green Open Space In Medan Maimun District**

MA RIFATIN ZAHRAH , ANITA ZAITUNAH , MUHAMMAD HUDZAIFAH RIHULJIHAD

2025

Jurnal nasional terakreditasi

### **Sebaran dan Karakteristik Spasial Konflik Gajah Sumatera (*Elephas maximus sumatranus*) di Tiga Desa Penyangga Taman Nasional Gunung Leuser, Indonesia**

MOEHAR MARAGHIY HARAHAAP , MARIAH ULFA , ABDUL AZIS TELAUMBANUA , MA RIFATIN ZAHRAH

2025

Prosiding seminar internasional

### **Analysis of forest area management development strategy at UPT Bukit Barisan Grand Forest Park, Indonesia**

SAMSURI , BEJO SLAMET , SITI LATIFAH , MA RIFATIN ZAHRAH

2024

Prosiding seminar internasional

### **Public perception of the Sumatran elephant conflict in the village buffer region GLNP and economic loss consequence of the conflict**

MA RIFATIN ZAHRAH

2023

Makalah ilmiah

### **Public perception of the Sumatran elephant conflict in the village buffer**

## region GLNP and economic loss consequence conflict

MA RIFATIN ZAHRAH

2023

Jurnal internasional bereputasi

### **Distribution Pattern of Shorea leprosula Miq, Around the Forest Area with Special Purpose (KHDTK) Aek Nauli Indonesia**

MA RIFATIN ZAHRAH , SITI LATIFAH

2022

Jurnal internasional bereputasi

### **Ethnobotanical study and conservation strategy of medicinal plants in the ecotourism area of Kedah Rainforest Lodges in Aceh, Indonesia**

MA RIFATIN ZAHRAH , RAHMAWATY

2022

Prosiding seminar internasional

### **Welfare management of Sumatran Tiger (*Panthera tigris sumatrae*) in Medan Zoo and Siantar Zoo**

MA RIFATIN ZAHRAH , MARIAH ULFA

2022

Jurnal nasional terakreditasi

### **Mammals Abundance in Lingga Isaq Hunting Park Landscape, Aceh**

MA RIFATIN ZAHRAH

2022

Prosiding seminar nasional

### **Persepsi dan Pemahaman Masyarakat dalam Mitigasi Pencegahan Penyebaran Covid-19 (Kompleks Graha Tanjung Sari Kelurahan Tanjungsari Kecamatan Medan Selayang)**

AHMAD BAIQUNI RANGKUTI , MA RIFATIN ZAHRAH

2022

Jurnal internasional bereputasi

### **Can Humans and Elephants Coexist? A Review of the Conflict on Sumatra Island, Indonesia**

MA RIFATIN ZAHRAH

2022

Prosiding seminar internasional

### **Estimation of above ground biomass Shorea spp (Dipterocarpaceae) using allometric models**

SITI LATIFAH , MA RIFATIN ZAHRAH

2021

Prosiding seminar internasional

### **Characteristics of forage garden vegetation of the Sumatran elephant (*Elephas maximus sumatranus*) in Medan Zoo**

MA RIFATIN ZAHRAH , RIDWANTI BATUBARA

2021

Prosiding seminar internasional

### **Potential species from the Dipterocarp family at Mandailing Natal Forest Production Management Unit, North Sumatra, Indonesia**

SITI LATIFAH , MA RIFATIN ZAHRAH

## Researches

2023

### **STRATEGI PENGEMBANGAN HASIL HUTAN DAN WISATA ALAM BERBASIS PARTISIPATIF, KONSERVATIF DAN KEARIFAN LOKAL DI KPH WILAYAH 4 BALIGE**

2021

Penelitian Dana Lokal Perguruan Tinggi

## **Ekplorasi potensi dan ekologi Shorea Sp Pada Kesatuan hutan dengan Tujuan Khusus di Sumatera Utara**

MA RIFATIN ZAHRAH , SITI LATIFAH

2021

## **FAKTOR KESEJAHTERAAN SATWA SPESIES KUNCI PADA BEBERAPA LEMBAGA KONSERVASI DI SUMATERA UTARA**

MARIAH ULFA , MA RIFATIN ZAHRAH

## **Community Services**

2025

## **MITIGASI PEMANASAN GLOBAL DAN EROSI MELALUI REFORESTASI MULTIPURPOSE TREE SPECIES (MPTS) DI KECAMATAN SILAHISABUNGAN KABUPATEN DAIRI PROVINSI SUMATERA UTARA**

MARIAH ULFA , PINDI PATANA , BEJO SLAMET , MA RIFATIN ZAHRAH , MOEHAR MARAGHIY HARAHAP

2025

## **Potensi Multipurpose Tree Species (MPTs) dalam Pola Pertanaman Agroforestry di Pondok Buluh Simalungun**

MARIAH ULFA , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , IWAN RISNASARI , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , TITO SUCIPTO , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , EVALINA HERAWATI , YUNUS AFIFUDDIN , AGUS PURWOKO , SURI FADHILLA , ARIF NURYAWAN , LUTHFI HAKIM , RIDWANTI BATUBARA , NOVITA ANGGRAINI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

2025

## **Pemanfaatan Cabutan Alam untuk Perbanyak Bibit: Solusi Alternatif Pengadaan Bibit dalam Rangka Melestarikan Jenis-Jenis Endemik Sumatera**

MARIAH ULFA , APRI HERI ISWANTO , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , IWAN RISNASARI , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , TITO SUCIPTO , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , EVALINA HERAWATI , YUNUS AFIFUDDIN , AGUS PURWOKO , SURI FADHILLA , ARIF NURYAWAN , LUTHFI HAKIM , RIDWANTI BATUBARA , NOVITA ANGGRAINI , HARISYAH MANURUNG , RUDI HARTONO , ALFAN GUNAWAN AHMAD , NELLY ANNA

2024

## **AKSI TANAM MANGROVE SEBAGAI UPAYA MITIGASI BAHAYA ABRASI PANTAI DALAM MENYELAMATKAN SUMBER KEHIDUPAN WARGA DI DESA PASAR RAWA GEBANG LANGKAT**

MARIAH ULFA , SAMSURI , RIDAHATI RAMBEY , RAHMAWATY , PINDI PATANA , BEJO SLAMET , MUHDI , MA RIFATIN ZAHRAH , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , ORANG KAYA HASNANDA SYAHPUTRA , YUNUS AFIFUDDIN , ANITA ZAITUNAH , AGUS PURWOKO , SURI FADHILLA , SITI LATIFAH , NOVITA ANGGRAINI , ALFAN GUNAWAN AHMAD , ODING AFFANDI , HAFIZAH ARINAH

2024

Ipteks Bagi Masyarakat

## **Pendidikan Sadar Lingkungan untuk Anak-anak sebagai Bentuk Kepedulian Terhadap Hutan Mangrove**

MARIAH ULFA , SAMSURI , RIDAHATI RAMBEY , RAHMAWATY , PINDI PATANA , BEJO SLAMET , MUHDI , MA RIFATIN ZAHRAH , NURDIN SULISTIYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , ORANG KAYA HASNANDA SYAHPUTRA , YUNUS AFIFUDDIN , ANITA ZAITUNAH , AGUS PURWOKO , SURI FADHILLA , SITI LATIFAH , NOVITA ANGGRAINI , ALFAN GUNAWAN AHMAD , ODING AFFANDI , HAFIZAH ARINAH

2024

Ipteks Bagi Masyarakat

## **Pendidikan Sadar Lingkungan Untuk Anak-anak sebagai Bentuk Kepedulian Terhadap Hutan Mangrove**

MA RIFATIN ZAHRAH , NOVITA ANGGRAINI

2022

## **Pemberdayaan Ibu Rumah Tangga pada Kelurahan Harjosari II Melalui Penanaman dan Pemanfaatan TOGA Menjadi Produk Olahan Bernilai Ekonomi**

MARIAH ULFA , MA RIFATIN ZAHRAH , MOEHAR MARAGHIY HARAHAP

---

2022

## **Pembuatan Papan Informasi Objek Ekowisata Aras Napal Kecamatan Besitang Kabupaten Langkat**

MARIAH ULFA , RIDAHATI RAMBEY , PINDI PATANA , MA RIFATIN ZAHRAH , NURDIN SULISTYONO , MOEHAR MARAGHIY HARAHAP , ACHMAD SIDDIK THOHA , DWI ENDAH WIDYASTUTI , YUNUS AFIFUDDIN , SURI FADHILLA , ALFAN GUNAWAN AHMAD

---

2020

## **Mitigasi Pencegahan Penyebaran Covid 19 di Kompleks Graha Tanjung Sari dan Sekitarnya Kecamatan Medan Selayang**

AHMAD BAIQUNI RANGKUTI , RAHMAWATY , MA RIFATIN ZAHRAH , MOEHAR MARAGHIY HARAHAP , SITI LATIFAH

---

2019

## **Pembuatan Dodol Mangrove dengan Koperasi Serba Usaha Muara Baumbai**

AHMAD BAIQUNI RANGKUTI , RAHMAWATY , IRAWATI AZHAR , MA RIFATIN ZAHRAH , IWAN RISNASARI , EVALINA HERAWATI , YUNUS AFIFUDDIN , ANITA ZAITUNAH , AGUS PURWOKO , RIDWANTI BATUBARA

---

2019

Penelitian Dosen Pemula

## **Pendidikan Lingkungan pada Anak Usia Dini Melalui Kegiatan Penanaman Beberapa jenis Tumbuhan di TK Khansa dan TK Al-Furqon Medan**

RAHMAWATY , MA RIFATIN ZAHRAH

---

2017

Ipteks Bagi Masyarakat

## **Dengan Semangat Kemerdekaan Kita Lestarkan Satwa Liar**

MA RIFATIN ZAHRAH , CUT MAILA HANUM

---