

Antonio Marro Sipayung, SP., M.Agr

Lecturer of Undergraduate Program in Agrotechnology Study Program
Faculty of Agriculture
Universitas Sumatera Utara

✉ sipayungantonio.marro@usu.ac.id

🏢 USU Faculty of Agriculture

🌐 fp.usu.ac.id/en/lecturer/antonio-marro-sipayung

Antonio Marro Sipayung, S.P., M.Agr, was born in Medan on March 28, 1988, and currently serves as an Agrotechnology lecturer at the Universitas Sumatera Utara with expertise in Agronomy, Horticulture, and Plant Propagation.

Education Profile:

- Bachelor's Degree from Universitas Sumatera Utara (USU)

- Master's Degree from Universitas Sumatera Utara (USU)

With a strong educational background, Antonio Marro Sipayung has made important contributions to the development of agrotechnology science, especially in agronomy, horticulture, and plant propagation. His dedication to research and teaching reflects a commitment to the advancement of agricultural science at the Universitas Sumatera Utara.

Publications

2024

Jurnal internasional

The effect of different harvest times on the quality of red chili seeds for sustainable agriculture

HARYATI , YAYA HASANAH , MARIATI , MARIANI BR SEMBIRING , ANTONIO MARRO SIPAYUNG

2025

Artikel ilmiah

Pelatihan Good Agricultural Practice Cabai di Desa Lubuk Cuik

YAYA HASANAH , HARYATI , MARIATI , MARIANI BR SEMBIRING , ELISA JULIANTI , ANTONIO MARRO SIPAYUNG , NINI RAHMAWATI

2024

Prosiding seminar internasional

The effect of different harvest times on the quality of red chili seeds for sustainable agriculture

ANTONIO MARRO SIPAYUNG , MUHAMMAD FARHAN LUBIS , MARIANI BR SEMBIRING , HARYATI , MARIATI , YAYA HASANAH

2026

Prosiding seminar internasional

The effectiveness of eco-fertilizer from frass *Hermentia* larvae with quail manure on mustard green and chemical of Ultisol

NUR ULINA WARNISYAH SEBAYANG , SENDI PUSPA SARI , BENNY HIDAYAT , JAMILAH , KEMALA SARI LUBIS , ANTONIO MARRO SIPAYUNG , KARTIKA UTAMI

2024

Prosiding seminar internasional

The response to various concentrations of IBA hormone and transplanting time of potato plantlets cultivar of medians

REVANDY I M DAMANIK , ANTONIO MARRO SIPAYUNG

2025

Jurnal nasional terakreditasi

Cultivation of Horticultural Plants Based on Hydroponic NFT System using a

Portable Greenhouse in Sidomulyo Village, Langkat

NUR ULINA WARNISYAH SEBAYANG , ANTONIO MARRO SIPAYUNG , KARINA NOLA SINAMO , BENNY HIDAYAT

2023

Jurnal nasional terakreditasi

Manifestating the Sub-District of Sri Padang Resilient Disaster Focuses on the Village Resilience Assessment Component in 2022

ANTONIO MARRO SIPAYUNG

2025

Artikel ilmiah

Pelatihan Good Agricultural Practice Cabai di Desa Lubuk Cuik

NINI RAHMAWATI , MARIANI BR SEMBIRING , MARIATI , HARYATI , ELISA JULIANTI , ANTONIO MARRO SIPAYUNG , YAYA HASANAH

2022

Jurnal nasional terakreditasi

Empowerment of Farmer Group in Bioconversion of Organic Waste Management with Utilization of Black Soldier Fly Larvae Become Organic Fertilizer "Kasgot"

NUR ULINA WARNISYAH SEBAYANG , KARINA NOLA SINAMO , PUTRI CHANDRA AYU , ANTONIO MARRO SIPAYUNG

2023

Jurnal nasional

Pengaruh pemberian pupuk NPK dan jarak tanam terhadap produksi tanaman kedelai Edamame varietas Ryoko

PATRICIUS SIPAYUNG , ANTONIO MARRO SIPAYUNG

2022

Prosiding seminar internasional

The response of paddy with biochar application and legowo planting system at Tanjung Garbus Kampung Village

ANTONIO MARRO SIPAYUNG , REVANDY I M DAMANIK

2022

Prosiding seminar internasional

The Influence of Biochar with pH, CEC, C Organic on Paddy Field

REVANDY I M DAMANIK , ANTONIO MARRO SIPAYUNG

2022

Jurnal nasional terakreditasi

Empowerment of Farmer Group in The Processing of Cow Animal Waste into Liquid Organic Fertilizer in Paddy Field

ANTONIO MARRO SIPAYUNG , MAY HANA BILQIS RANGKUTI , NUR ULINA WARNISYAH SEBAYANG

2021

Jurnal nasional terakreditasi

Reforestation of "Village Forest"™ to Improve Sustainability Creative Industries in Desa Siponjot

NOVERITA SPRINSE VINOLINA , ANTONIO MARRO SIPAYUNG , SONDANG PINTAULI , DARDANILA

2023

Jurnal nasional terakreditasi

Penguatan Kelembagaan Kelompok Tani Melalui Pengembangan Organisasi Dan Pelatihan Hasil Pertanian Di Kabupaten Humbang Hasundutan

ANTONIO MARRO SIPAYUNG , YUNI LESTARI BR SITEPU , MALINDA SARI SEMBIRING , RITHA F DALIMUNTHE

2022

Prosiding seminar internasional

Value Chain Analysis of Palm Oil in Indonesia (Case Study in East Borneo Province)

ANTONIO MARRO SIPAYUNG

Researches

2023

Ipteks Bagi Wilayah Antara PT-CSR / PT-PEMDA-CSR

Pengaruh Perbedaan Waktu Panen Terhadap Viabilitas Benih Cabai Merah (Capsicum annum L)

NINI RAHMAWATI , YAYA HASANAH , MARIANI BR SEMBIRING , MARIATI , DIANA SOFIA HANAFIAH , HARYATI , RAHMATIKA ALFI , ANTONIO MARRO SIPAYUNG , IRDA SAFNI

Community Services

2024

Ipteks Bagi Masyarakat

PENERAPAN GREENHOUSE PORTABLE PADA TANAMAN HORTIKULTURA BERBASIS HIDROPONIK SEBAGAI UPAYA MENGATASI KETERBATASAN LAHAN PERTANIAN DAN MENINGKATKAN PEREKONOMIAN DI KELOMPOK TANI SEJATI

NUR ULINA WARNISYAH SEBAYANG , KARINA NOLA SINAMO , ANTONIO MARRO SIPAYUNG

2020

PEMBERDAYAAN MASYARAKAT TANI DI KELURAHAN KWALA BINGAI KECAMATAN STABAT KABUPATEN LANGKAT PROVINSI SUMATERA UTARA UNTUK MEMBUDIDAYAKAN SAYURAN BERBASIS ORGANIK MENGGUNAKAN PUPUK RAMAH LINGKUNGAN

NUR ULINA WARNISYAH SEBAYANG , HAFNES WAHYUNI , JULIA SYAHRANI HASIBUAN , ANTONIO MARRO SIPAYUNG

2021

Ipteks Bagi Masyarakat

PEMBERDAYAAN KELOMPOK TANI DALAM BIOKONVERSI LIMBAH ORGANIK DENGAN PEMANFAATAN LARVA BLACK SOLDIER FLY (MAGGOT) MENJADI PUPUK ORGANIK KASGOT

NUR ULINA WARNISYAH SEBAYANG , PUTRI CHANDRA AYU , KARINA NOLA SINAMO , ANTONIO MARRO SIPAYUNG

2024

Ipteks Bagi Masyarakat

Produksi Kompos dari Kotoran Kambing kepada Kelompok Ibu IKBI Afdeling 4 Kebun Merbau Selatan PTPN IV

NUR ULINA WARNISYAH SEBAYANG , PUTRI CHANDRA AYU , BENNY HIDAYAT , JAMILAH , AMANATUL FADHILAH , ANTONIO MARRO SIPAYUNG

2023

PEMBERDAYAAN KELOMPOK TANI DALAM PENGOLAHAN LIMBAH PERTANIAN MENJADI PUPUK KOMPOS DI DESA TANJUNG GARBUS KAMPUNG

NUR ULINA WARNISYAH SEBAYANG , MALINDA SARI SEMBIRING , ANTONIO MARRO SIPAYUNG

2021

Penelitian Dosen Pemula

"Pemberdayaan Kelompok Tani dalam Pengolahan Limbah Kotoran Sapi menjadi Pupuk Organik Cair pada Tanaman Padi Sawah"

NUR ULINA WARNISYAH SEBAYANG , MAY HANA BILQIS RANGKUTI , ANTONIO MARRO SIPAYUNG

2023

Pelatihan Good Agricultural Practice Cabai di Desa Lubuk Cuik

NINI RAHMAWATI , YAYA HASANAH , MARIANI BR SEMBIRING , MARIATI , HARYATI , ELISA JULIANTI , ANTONIO MARRO SIPAYUNG

2020

Ipteks Bagi Masyarakat

Drum Vermikomposting Skala Rumah Tangga Sebagai Sumber Pendapatan Tambahan Petani pada Masa Pandemi Covid-19 di Kelurahan Sidomulyo Kecamatan Stabat Kabupaten Langkat Provinsi Sumatera Utara.

NUR ULINA WARNISYAH SEBAYANG , HAFNES WAHYUNI , KHAIRUNNISA , SAWITANIA CHRISTIANY DWI UTAMI BORU

Intellectual Property Rights

2022
Hak cipta nasional

Greenhouse Portable Solusi Budidaya Hidroponik Sistem Wick dan DFT di Lahan Pertanian Sempit

BENNY HIDAYAT , ANTONIO MARRO SIPAYUNG , KARINA NOLA SINAMO , NUR ULINA WARNISYAH SEBAYANG
