

Sabrina

Dosen Program Studi S1 Agroteknologi
Fakultas Pertanian
Universitas Sumatera Utara

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Prof. Ir. T. Sabrina, M.Agr.Sc., Ph.D., lahir di Medan pada tanggal 20 Juni 1964, adalah seorang dosen Agroteknologi di Universitas Sumatera Utara yang ahli dalam bidang ilmu tanah.

Profil Pendidikan:

- Gelar Sarjana (S1) dari Universitas Sumatera Utara (USU)

- Gelar Magister (S2) di bidang Land Resource Management dari Universiti Putra Malaysia (UPM)

- Gelar Ph.D (S3) di bidang Land Resource Management dari Universiti Putra Malaysia (UPM)

Sebagai seorang profesor, Prof. Ir. T. Sabrina telah memberikan kontribusi berharga dalam pengembangan ilmu agroteknologi, terutama dalam pemahaman dan manajemen ilmu tanah. Dedikasinya terhadap pendidikan, penelitian, dan pengabdian pada masyarakat mencerminkan komitmen terhadap peningkatan keberlanjutan pertanian di Universitas Sumatera Utara.

Publications

2026

Book chapter internasional

Advances in Agronomy

T SABRINA , DIAN FIANTIS , FRISA IRAWAN GINTING , Budiman Minasny

2026

Book chapter internasional

Advances in Agronomy

T SABRINA , DIAN FIANTIS , FRISA IRAWAN GINTING , Budiman Minasny

2026

Jurnal internasional bereputasi

Impacts of agrivoltaic systems on soil properties and pedogenesis: A review

FRISA IRAWAN GINTING , DIAN FIANTIS , AFFAN CHAHYAHUSNA , DYAH RETNO PANUJU , BAMBANG HENDRO TRISASONGKO , T SABRINA , Rudiyanto , Budiman Minasny

2025

Jurnal internasional bereputasi

Soil Tillage and Application of Organic Materials on Oil Palm Plant Disc and Their Effects on Soil Properties

T SABRINA

2025

Jurnal internasional bereputasi

Soil Tillage and Application of Organic Materials on Oil Palm Plant Disc and Their Effects on Soil Properties

T SABRINA

2025

Jurnal internasional bereputasi

Using the Soil-Adjustment Vegetation Index from Landsat-8 Imagery for Estimating the Nutrient Content of Oil Palm Leaves for Optimized Fertilizer Application

T SABRINA

2025

Jurnal internasional bereputasi

Using the Soil-Adjustment Vegetation Index from Landsat-8 Imagery for Estimating the Nutrient Content of Oil Palm Leaves for Optimized Fertilizer Application

T SABRINA , ZULKIFLI , DHIMAS WIRATMOKO , Budiman Minasny

2025

Prosiding seminar internasional

Earthworm Population and Diversity in Smallholder Oil Palm Plantations under Conventional and Semi-Organic Systems in Labuhan Batu Regency

T SABRINA , MARIANI BR SEMBIRING , ANDRI ABDI

2025

Jurnal internasional bereputasi

Optimization of Leaf Nutrient Mapping in Oil Palm A Geospatial Comparison for Site-Specific Management

ZULKIFLI , DHIMAS WIRATMOKO , T SABRINA

2025

Jurnal internasional bereputasi

Optimization of Leaf Nutrient Mapping in Oil Palm A Geospatial Comparison for Site-Specific Managemen

T SABRINA , ZULKIFLI , DHIMAS WIRATMOKO , Budiman Minasny

2025

Book chapter internasional

The contribution of oil palm plantations to prosperity and a circular economy in North Sumatera

T SABRINA , HOTNIDA SINAGA

2025

Jurnal internasional bereputasi

Cultural Tourism as a Catalyst for Rural Development: A Spatial-Econometric Study of a Tourism Village in North Sumatra, Indonesia

T SABRINA

2025

Artikel ilmiah

Earthworm Population and Diversity in Smallholder Oil Palm Plantations under Conventional and Semi-Organic Systems in Labuhan Batu Regency

T SABRINA , MARIANI BR SEMBIRING

2025

Prosiding seminar internasional

Farmers' Behavior in Using Fertilizer and Its Effects on The Presence of Root Nodes and Soybean Production (Glycine max (L.) Merr.)

T SABRINA

2025

Prosiding seminar internasional

Farmers' Behavior in Using Fertilizer and Its Effects on The Presence of Root Nodes and Soybean Production (Glycine max (L.) Merr.)

T SABRINA

2025

Prosiding seminar internasional

Farmers' Behavior in Using Fertilizer and Its Effects on The Presence of Root Nodes and Soybean Production (Glycine max (L.) Merr.)

T SABRINA

2025

Jurnal internasional

Farmers' Behavior in Using Fertilizer and Its Effects on The Presence of Root Nodes and Soybean Production (Glycine max (L.) Merr.)

T SABRINA

2025

Book chapter internasional

Natural Resources, Environment, and Food and Energy Security Updates in North Sumatra

T SABRINA , HOTNIDA SINAGA

2025

Jurnal internasional

The contribution of oil palm plantations to prosperity and a circular economy in North Sumatra

T SABRINA

2025

Jurnal internasional bereputasi

Potential of phosphate solubilizing microbes from Andisol in qualitatively dissolving P at various pH

T SABRINA

2024

Jurnal internasional bereputasi

Functional diversity of bacteria in various saline soil plant vegetations around Sialang Buah Coast, North Sumatra, Indonesia

MARIANI BR SEMBIRING , T SABRINA , LUTHFI AZIZ MAHMUD SIREGAR

2024

Jurnal nasional

MENGUBAH SAMPAH MENJADI PELUANG: MENDAUR ULANG PLASTIK DAN MENGOLAH SAMPAH RUMAH TANGGA

T SABRINA

2023

Jurnal internasional bereputasi

Isolation and identification of phosphate solubilizing microbes in the rhizosphere of maize by sound exposure

ASRITANARNI MUNAR , MARIANI BR SEMBIRING , PROF DR IR AHMAD RAFIQI TANTAWI. MS , T SABRINA

2023

Jurnal internasional

Isolation and identification of phosphate solubilizing microbes in the rhizosphere of maize by sound exposure

PROF DR IR AHMAD RAFIQI TANTAWI. MS , MARIANI BR SEMBIRING , T SABRINA , ASRITANARNI MUNAR

2023

Prosiding seminar internasional

The effect of dispensing biochar of palm oil empty bunches and palm oil fronds on the population of soil organisms

T SABRINA , BENNY HIDAYAT

2023

Prosiding seminar internasional

Application of Vermicompost, Kasgot (BSF Compost), and Vermigot for growth and production of Pakchoy (Brassica rapa L.) in Ultisol

T SABRINA

2023

Prosiding seminar internasional

Chemical characteristics of Bio-Vermigot (vermicompost and kasgot) fertilizer with the combination of Black Soldier Fly larvae and earthworm by using cow manure and banana stem

NUR ULINA WARNISYAH SEBAYANG , T SABRINA

2023

Prosiding seminar internasional

Chemical Characteristics and Plant Growth Regulators of Organic Waste as

Liquid Organic Fertilizer

MARIANI BR SEMBIRING , T SABRINA , FERLIST RIO SIAHAAN , YAYA HASANAH

2023

Prosiding seminar internasional

The role of rhizosphere microbes as phosphate solubilizing bio fertilizers in shallot: a review

ABDUL RAUF , T SABRINA

2023

Prosiding seminar internasional

Application of Vermicompost, Kasgot (BSF Compost), and Vermigot for growth and production of Pakchoy (Brassica rapa L.) in Ultisol

T SABRINA

2023

Prosiding seminar internasional

Chemical Characteristics and Plant Growth Regulators of Organic Waste as Liquid Organic Fertilizer

T SABRINA

2023

Prosiding seminar internasional

Analysis of Vegetation Index of Oil Palm Plants infected with Ganoderma Disease

T SABRINA

2022

Prosiding seminar internasional

Analysis the nutrient of bio-vermicompost with different techniques applications of some microbes and earthworms

T SABRINA , NUR ULINA WARNISYAH SEBAYANG

2022

Prosiding seminar internasional

The nutrient content of N, P, K in Andisols and Arabica coffee leaves in Bener Meriah Regency, Indonesia

T SABRINA

2022

Jurnal internasional bereputasi

Diversity of potassium solvng microbes on andisol soil affected by the eruption of Mount Sinabung, North Sumatra, Indonesia

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2022

Prosiding seminar internasional

Assessment of aromatic plant resistance to cadmium heavymetal through analysis of growth and physiology

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2022

Prosiding seminar internasional

Challenge in the Identification of Water Loss, Aromatic Sense, and Preference of Chili Paste During Ozone Water Controlled Handling

T SABRINA

2022

Jurnal internasional bereputasi

Study of Aromatic Plants on Cadmium Exposure Through Anatomical Structure, Shoot Root Ratio, Essential Oil and Heavy Metals

T SABRINA

2021

Jurnal internasional bereputasi

Diversity of non-symbiotic nitrogen-fixing bacteria and their potential n

andisols affected by the eruption of Mount Sinabung, North Sumatra, Indonesia

T SABRINA , MARIANI BR SEMBIRING

2021

Jurnal internasional bereputasi

Diversity of non-symbiotic nitrogen-fixing bacteria and their potential in andisols affected by the eruption of mount sinabung, north sumatra, indonesia

T SABRINA

2021

Jurnal nasional

The Impact of Compost Dose and SP36 Fertilizer Application on Soil Chemical Properties and Growth of Corn Plants (*Zea mays* L.) in Ultisol Soils

T SABRINA

2021

Jurnal nasional

PENGARUH PENGGUNAAN BIOCHAR BIOMASSA KELAPA SAWIT TERHADAP AKTIVITAS MIKROORGANISME PADA TANAH ULTISOL

T SABRINA

2021

Jurnal internasional bereputasi

Macrofauna diversity in andisol soil after eight years affected by the eruption of Mount Sinabung, North Sumatra, Indonesia

T SABRINA

2021

Prosiding seminar internasional

The role of dolomite and vermicompost in nutrient uptake and production of sweet potato (*Ipomoea batatas* L) on acid soil

T SABRINA

2021

Prosiding seminar internasional

Potential test of non-symbiotic nitrogen-fixing bacteria in increasing nitrogen in Andisol soil

T SABRINA

2021

Jurnal internasional bereputasi

Effect of giving triple super phosphate and dolomite fertilizer on mushroom media (baglog) on production of white oyster mushroom (*Pleurotus ostreatus*)

BINTANG , T SABRINA

2021

Jurnal internasional bereputasi

Effect of giving triple super phosphate and dolomite fertilizer on mushroom media (baglog) on production of white oyster mushroom (*Pleurotus ostreatus*)

T SABRINA , BINTANG

2021

Jurnal internasional bereputasi

Effect of giving triple super phosphate and dolomite fertilizer on mushroom media (baglog) on production of white oyster mushroom (*Pleurotus ostreatus*)

BINTANG , T SABRINA

2021

Jurnal internasional bereputasi

Potential of *syncephalastrum racemosum* and *rhizopus arrhizus* isolated from oil palm trunks produce chitosans that inhibit the growth of *ganoderma boninense*

T SABRINA

2021
Jurnal internasional

Effect of soil conditioner enriched with biofertilizers to improve soil fertility and maize (*Zea mays* L.) growth on andisols Sinabung area

T SABRINA

2021
Jurnal internasional bereputasi

Soil macrofauna diversity in andisol after eight years of Mount Sinabung eruption in Sumatra, Indonesia

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2021
Jurnal internasional bereputasi

Soil macrofauna diversity in andisol after eight years of mount sinabung eruption in Sumatra, Indonesia

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2020
Jurnal internasional bereputasi

Precocious 19th century soil carbon science

T SABRINA

2020
Jurnal internasional

History and interpretation of early soil and organic matter investigations in Deli, Sumatra, Indonesia

T SABRINA

2020
Jurnal internasional bereputasi

History and interpretation of early soil and organic matter investigations in Deli, Sumatra, Indonesia

T SABRINA

2020
Jurnal internasional bereputasi

Earthworms as a vector of *aspergillus niger* dispersal to enhance the decomposition of oil palm trunks

T SABRINA

2020
Jurnal nasional terakreditasi

Peran aplikasi pembenah tanah terhadap sifat kimia tanah pada tanaman bawang merah

T SABRINA

2020
Jurnal nasional

Soil Macrofauna as Bioindicator on Aek Loba Palm Oil Plantation Land

T SABRINA

2020
Jurnal internasional bereputasi

Precocious 19th century soil carbon science

T SABRINA

2020
Jurnal nasional terakreditasi

Growth and production response of mung bean (*Vigna radiata* L) by application of mycorrhiza and *Penicillium* sp in paddy lands

T SABRINA

2020
Prosiding seminar internasional

A resistance test of oil palm varieties (*elaeis guineensis* jacq.) In the saline

soil with an adduction of humic acid

T SABRINA

2020

Jurnal internasional bereputasi

Precocious 19th century soil carbon science

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2020

Prosiding seminar internasional

Effect of sound treatment on phosphate solubilizing microbial activity

T SABRINA

2020

Prosiding seminar internasional

Exploration and effectiveness test of the potassium solvent bacteria originating from limestone mountain of Bahorok Langkat

T SABRINA

2020

Prosiding seminar internasional

P status of Andisol and Its correlation with P content of Arabica coffee leaves in Bener Meriah District

T SABRINA

2020

Jurnal internasional bereputasi

Phosphate solubilizing microbes and coffee skin compost to increase robusta coffee plant growth in andisol of mount sinabung area

T SABRINA

2019

Prosiding seminar internasional

Soil fauna diversity on the area with several treatments on the oil palm trunk

T SABRINA

2019

Prosiding seminar internasional

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

T SABRINA

2019

Jurnal nasional

Uji Potensi Beberapa Jenis Jamur Mikoriza Vesikular Arbuskular (MVA) terhadap Pertumbuhan Tanaman Jagung (Zea mays L.) di Tanah Inseptisol: The Potential Test of Vesicular & Arbuscular;

T SABRINA

2019

Jurnal nasional

Relation between C, N, C/N and K Soil and Production of Shallots in Lake Toba Catchment Area

T SABRINA

2019

Jurnal nasional terakreditasi

Test of effectiveness decomposers on some types of compost material

T SABRINA

2019

Jurnal nasional

Uji Potensi Beberapa Jenis Jamur Mikoriza Vesikular Arbuskular (MVA) terhadap Pertumbuhan Tanaman Jagung (Zea mays L.) di Tanah Inseptisol: The Potential Test of Vesicular & Arbuscular;

T SABRINA

2019

Jurnal internasional

Prospects for Sugar palm (*Arenga pinnata* MERR) Development for Food and Energy Security

T SABRINA

2019

Jurnal nasional terakreditasi

PENGARUH METODE KONSERVASI PADA TANAMAN KELAPA SAWIT (*Elaeis gueneensis* Jacq) TERHADAP STATUS UNSUR HARA N, P, K DAN C-ORGANIK TANAH

T SABRINA

2019

Prosiding seminar internasional

Isolation, Purification and Potential Test of Actinomycetes in Increasing Phosphate Availability

T SABRINA

2019

Tulisan ilmiah

Hubungan Sifat Kimia Tanah (C, N, C/N dan K) dan Produksi Bawang Merah (*Alliumascalonicum* L.) di Daerah Tangkapan Air Danau Toba

T SABRINA

2019

Jurnal nasional

Uji Potensi Beberapa Jenis Jamur Mikoriza Vesikular Arbuskular (MVA) terhadap Pertumbuhan Tanaman Jagung (*Zea mays* L.) di Tanah Inseptisol

T SABRINA

2019

Prosiding seminar internasional

Utilization of Oil Palm Empty Fruit Bunch (EFB) as Spodosol Soil Ameliorant for Increasing Oil Palm Root Growth

T SABRINA

2019

Prosiding seminar internasional

The growth and yield of sweet corn (*Zea mays saccharata* Sturt.) with anorganic and organo-bio fertilizer

T SABRINA

2019

Jurnal nasional

The evaluation of soil chemistry and soil physic on understudied of camphor trees (*Dryobalanops aromatica* Colebr)

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2019

Jurnal internasional bereputasi

The evaluation of soil chemistry and soil physic on understudied of camphor trees (*Dryobalanops aromatica* Colebr)

T SABRINA

2018

Prosiding seminar internasional

The influence of the composition of biodiversal fertilizers plant vegetative soybean plant (*Glycine max* (L.) Merrill) in inceptisol

T SABRINA

2018

Prosiding seminar internasional

The yield paddy of red rice and black rice on jajar legowo planting system with application of several nitrogen sources

2018

Jurnal internasional bereputasi

POTENTIAL OF SEVERAL BIOMASS AS BIOCHAR FOR HEAVY METAL ADSORBENT

T SABRINA , ABDUL RAUF

2018

Prosiding seminar internasional

Biochar application for the improving soil fertility and paddy production on two systems of planting

T SABRINA

2018

Jurnal internasional

Potential of Several Biomass as Biochar for Heavy Metal Adsorbent

T SABRINA

2018

Prosiding seminar internasional

Population dynamics of Azotobacter sp., Azospirillum sp., Bacillus subtilis, Talaromyces pinophilus, Trichoderma asperellum, and Syncephalastrum racemosum in the medium with

T SABRINA

2018

Prosiding seminar internasional

Population dynamics of Azotobacter sp., Azospirillum sp., Bacillus subtilis, Talaromyces pinophilus, Trichoderma asperellum, and Syncephalastrum racemosum in the medium with

T SABRINA

2018

Jurnal nasional terakreditasi

Deskripsi Makrofauna pada Tanah Andisol di Kabupaten Karo dengan Berbagai Ketebalan Abu Vulkanik Gunung Sinabung

T SABRINA

2018

Jurnal internasional bereputasi

The application of microorganisms of phosphate providers and organic matters to improve the growth of Arabica coffee seedlings at Andisol in Bener Meriah Regency

T SABRINA

2018

Jurnal internasional bereputasi

INCREASING THE PRODUCTIVITY OF A FEW VARIETIES OF ONION (ALLIUM ASCALONICUM L.) WITH THE APLICATION OF AMELIORANT

DIANA SOFIA HANAFIAH , T SABRINA

2017

Jurnal nasional

Dinamika Populasi Mesofauna Tanah Akibat Pemberian Beberapa Jenis dan Cara Aplikasi Bahan Organik Pada Piringan Kelapa Sawit: Dynamics of Soil Mesofauna Population Cause by

T SABRINA

2017

Prosiding seminar internasional

Evaluation Content of Pb in Phase Vegetative and Generative of Paddy by Application Azolla and Husk Biochar in Contaminated Paddy Field

T SABRINA

2017

Jurnal nasional

Respon Pertumbuhan Tanaman Tembakau (*Nicotiana tabaccum* L.) Terhadap Perlakuan Perbandingan Media Tanam Top Soil, Abu Vulkanik, dan Tandan Kosong Kelapa Sawit (TKKS): The

T SABRINA

2017

Jurnal nasional

Tingkat Perkembangan Tanah Berdasarkan Pola Distribusi Mineral Liat Di Kecamatan Lumbanjulu Kabupaten Toba Samosir: The level of soil development based on the pattern of clay

T SABRINA

2017

Jurnal nasional

Dinamika Populasi Mesofauna Tanah Akibat Pemberian Beberapa Jenis dan Cara Aplikasi Bahan Organik Pada Piringan Kelapa Sawit

T SABRINA

2017

Jurnal nasional

Respon Pertumbuhan Bibit Bud Chip Tebu (*Saccharum officinarum* L.) Terhadap Jarak Antar Pot Tray dan Pemangkasan Daun: Response of Growth Bud Chip Seeds Sugarcane (*Saccharum*)

T SABRINA

2017

Jurnal nasional

Tingkat Perkembangan Tanah Berdasarkan Pola Distribusi Mineral Liat Di Kecamatan Lumbanjulu Kabupaten Toba Samosir: The level of soil development based on the pattern of clay

T SABRINA

2017

Jurnal internasional

MODEL KERAGAAN SAYUR DAN BUAH SEBELUM DAN SESUDAH ERUPSI GUNUNG SINABUNG DI KABUPATEN KARO SUMATERA UTARA

T SABRINA

2017

Jurnal nasional

Respon Pertumbuhan Bibit Bud Chip Tebu (*Saccharum officinarum* L.) Terhadap Jarak Antar Pot Tray dan Pemangkasan Daun: Response of Growth Bud Chip Seeds Sugarcane (*Saccharum*)

T SABRINA

Researches

2023

Penelitian Unggulan Perguruan Tinggi

Potensi limbah pabrik teh sebagai pengganti topsoil untuk media pertumbuhan bibit sawit

MARIANI BR SEMBIRING , T SABRINA

2022

Penelitian Kompetensi

PENGUKURAN POTENSI PUPUK ORGANIK YANG DIPERKAYA MIKROBA UNGGUL PELARUT P, PELARUT KALIUM, PENAMBAT N NON SIMBIOTIK UNTUK MENINGKATKAN KUALITAS TANAH DAN PRODUKSI TANAMAN

BENNY HIDAYAT , MARIANI BR SEMBIRING , T SABRINA

2021

Penelitian Unggulan Perguruan Tinggi

Pengukuran potensi mikroba pelarut fosfat yang bersumber dari Andisol terdampak Erupsi Gunung Sinabung sebagai pupuk hayati

MARIANI BR SEMBIRING , T SABRINA

2020

Penelitian Kompetensi

Eksplorasi Mikroba Penambat Nitrogen dan penghasil hormone tumbuh yang bersumber dari Andisol terdampak Erupsi Gunung Sinabung.

MARIANI BR SEMBIRING , T SABRINA

2020

Penelitian Unggulan Perguruan Tinggi

Pengukuran potensi mikroba pelarut fosfat yang bersumber dari Andisol terdampak Erupsi Gunung Sinabung sebagai pupuk hayati

MARIANI BR SEMBIRING , T SABRINA

2020

Penelitian Kompetensi

Eksplorasi Mikroba Penambat Nitrogen dan penghasil hormone tumbuh yang bersumber dari Andisol terdampak Erupsi Gunung Sinabung.

MARIANI BR SEMBIRING , T SABRINA

Community Services

2024

Edukasi Penerapan Sistem Sertifikasi Halal Pada Usaha Mikro Kecil dan Menengah (UMKM) Menuju Usaha Yang Berkelanjutan dan Kompetitif

T SABRINA

2022

Ipteks Bagi Masyarakat

PEMBERDAYAAN IPTEK DAN PEMANFAATAN JAMUR *Syncephalastrum racemosum* ASAL ISOLAT BATANG SAWIT SEBAGAI CHITOSANES UNTUK MENINGKATKAN TANAMAN BUAH PADA DESA SEI. KOPAS KISARAN

T SABRINA , RINI HARDIYANTI , HARRY AGUSNAR

2019

Ipteks Bagi Masyarakat

PENINGKATAN DAYA DUKUNG LAHAN JAGUNG MELALUI APLIKASI TEKNOLOGI TERPADU

LUTHFI AZIZ MAHMUD SIREGAR , MARIANI BR SEMBIRING , LISA MAWARNI , T SABRINA

2013

DEMPLLOT TEKNIK BUDIDAYA MENTIMUN DAN APLIKASI PUPUK ORGANIK PENINGKATAN KESUBURAN TANAH

LUTHFI AZIZ MAHMUD SIREGAR , BENNY HIDAYAT , LISA MAWARNI , T SABRINA

Intellectual Property Rights

2025

Paten nasional

Sistem Informasi Pemupukan

Budiman Minasny , RETNADI HERU JATMIKO , T SABRINA , RADEN IBNU ROSYADI , DHIMAS WIRATMOKO

2023

Paten nasional

penelitian dan pengabdian

T SABRINA

2021

Paten nasional

TEKNOLOGI UNTUK MENINGKATKAN KESUBURAN TANAH ANDISOL DENGAN MEMANFAATKAN BAKTERI DAN JAMUR PELARUT FOSFAT.

T SABRINA , MARIANI BR SEMBIRING

2021

Paten nasional

Burkholderia cepacia SEBAGAI PUPUK HAYATI PELARUT FOSFAT SPESIFIK LINGKUNGAN PADA TANAH ANDISOL

MARIANI BR SEMBIRING , T SABRINA

2020

Paten nasional

proses perolehan actinomycetes terbaik yang mampu melarutkan fosfat sebagai pupuk hayati untuk meningkatkan kualitas tanah andisol

T SABRINA

2015

Hasil penelitian/pemikiran yang tidak dipublikasikan

Rekayasa Horizon Spodik Tanah Spodosol Sub Group Typic Placorthod pada Budidaya Kelapa Sawit (*Elaeis guineensis* Jacq.) di Kabupaten Barito Timur Propinsi...

T SABRINA

2013

Hasil penelitian/pemikiran yang tidak dipublikasikan

Respon Sifat Kimia, Bio-Kimia Tanah Sawah, Serapan Hara dan Produksi Tanaman Padi (*Oryza Sativa*, L) terhadap Pemberian Jerami pada Sistem Tanam Budidaya Lokal dan Pengelolaan

T SABRINA

2003

Hasil penelitian/pemikiran yang tidak dipublikasikan

Klorofil Daun Angsana dan Mahoni Sebagai Bioindikator Pencemaran Sulfur Dioksida dan Nitrogen Dioksida di Kota Medan

T SABRINA
