

Prof. Ir. T. Sabrina, M.Agr.Sc., Ph.D

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Prof. Ir. T. Sabrina, M.Agr.Sc., Ph.D. was born in Medan on June 20, 1964. She is a lecturer in Agrotechnology at Universitas Sumatera Utara. She completed a Doctoral Program in Microbiology at UPM in 2007.

Publications

2015

Jurnal nasional

Pengaruh Berbagai Komposisi Kompos Tea Terhadap Produksi Dan Kualitas Sawi (*Brassica juncea* L.)

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

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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

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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

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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

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Jurnal nasional terakreditasi

Karakteristik Tanah Dan Perbandingan Produksi Kelapa Sawit (*Elaeis Guineensis* Jacq.) Dengan Metode Tanam Lubang Besar Dan Parit Drainase 2: 1 Pada Lahan Spodosol Di Kabupaten

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2020

Jurnal internasional bereputasi

Precocious 19th century soil carbon science

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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

2005

Jurnal internasional bereputasi

Purification and characterization of NAD-dependent formate dehydrogenase from the white-rot fungus *Ceriporiopsis subvermispora* and a possible role of the enzyme in oxalate metabolism

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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

2016

Jurnal internasional bereputasi

Effect of *Burkholderia cepacia* and SP36 on available phosphate and potato production on Andisol impacted by Mount Sinabung Eruption, North Sumatera, Indonesia

MARIANI BR SEMBIRING , T SABRINA , DENI ELFIATI

2026

Jurnal nasional

Aplikasi Jerami dan Paket Pemupukan terhadap Pertumbuhan dan Produksi Padi pada Pola Penanaman Intensif Applications of Paddy Straw and Fertilizer Package On Rice Growth and

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Book chapter internasional

Advances in Agronomy

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

2009

Jurnal internasional bereputasi

Earthworm Populations and Cast Properties in the Soils of Oil Palm Plantations

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2021

Jurnal internasional

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

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2026

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*

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2026

Jurnal nasional terakreditasi

Analisis Peremajaan Kawasan Kumuh Kelurahan Kampung Aur Kecamatan Medan Maimun Kota Medan

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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

2021

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

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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

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Jurnal nasional

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

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Effect of mixed organic-inorganic fertilizer on growth and phosphorus uptake of setaria grass (*Setaria splendida*)

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The Potential Test of Vascular Arbuskula Mychorryza (VAM) Type on The Growth of Corn Plant (*Zea mays* L.) on Inceptisol

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

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Purification and characterization of NAD-dependent formate dehydrogenase from the white-rot fungus *Ceriporiopsis subvermispora* and a possible role of the enzyme in oxalate

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Oil palm empty-fruit bunch application effects on the earthworm population and phenol contents under field conditions

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Jurnal internasional bereputasi

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

ZULKIFLI , DHIMAS WIRATMOKO , T SABRINA

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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, & #8230;

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Jurnal internasional

Potential of Several Biomass as Biochar for Heavy Metal Adsorbent

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Population dynamics of Azotobacter sp., Azospirillum sp., Bacillus subtilis, Talaromyces pinophilus, Trichoderma asperellum, and Syncephalastrum racemosum in the medium with, & #8230;

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Geoderma Regional

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Pemetaan C-Organik Di Lahan Sawah Daerah Irigasi Pantoan Kecamatan Siantar Kabupaten Simalungun: Mapping C-Organic in Paddy Land at Pantoan Irrigation Area Subdistrict of, & #8230;

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Respon Pertumbuhan Tanaman Tembakau (Nicotiana tabaccum L.) Terhadap Perlakuan Perbandingan Media Tanam Top Soil, Abu Vulkanik, dan Tandan Kosong Kelapa Sawit (TKKS): The, & #8230;

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The increasing role of Indonesian women in soil science: Current & future challenges

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

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The Influence Of Easy Business Licensing Through The Implementation Of Online Single Submission (OSS) Applications On Increasing Investment In North Sumatra Province (Mid Large

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Book chapter internasional

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

T SABRINA , HOTNIDA SINAGA

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Jurnal internasional

Increasing the productivity of a few varieties of onion (*Allium ascalonicum* L.) with the application of ameliorant

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Toba Highland Peatlands: Exploring a Unique Ecosystem and its Environmental Significance

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

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

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The evaluation of soil chemistry and soil physic on understudied of camphor

trees (*Dryobalanops aromatica* Colebr)

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Vermicomposting of Oil Palm Empty Fruit Bunch And its Potential in Supplying of Nutrients For Crop Growth

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POTENTIAL OF SEVERAL BIOMASS AS BIOCHAR FOR HEAVY METAL ADSORBENT

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Effects of earthworms, arbuscular mycorrhizae, and phosphate rock on setaria grass (*Setaria Splendida*) and phosphorus availability in soil

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Potensi bakteri azotobacter dan hijauan mucuna bracteata dalam meningkatkan hara nitrogen kompos tandan kosong kelapa sawit

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

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Perbaikan Sifat Kimia Tanah Inceptisol Serta Pertumbuhan Kedelai Akibat Pemberian Kompos Diperkaya Cangkang Telur Dan Zeolit: Improvement of Inceptisol Soil Chemistry andÃ …

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Pemanfaatan jamur pelarut fosfat dan mikoriza untuk meningkatkan ketersediaan dan serapan P tanaman jagung pada tanah alkalin

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

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

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

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

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

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Pengaruh Pemberian Mva (Mikoriza Vesicular Arbuskular) Terhadap Pertumbuhan Stump Karet Klon Pb 260 (Hevea Brasiliensis Muell Arg.) Dan Serapan Hara Pada Berbagai Kadar Air

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

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Effect of mixed organic-inorganic fertilizer on growth and phosphorus uptake of setaria grass (Setaria splendida)

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Jurnal internasional bereputasi

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

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Jurnal nasional

Pengaruh Mikoriza Arbuskular terhadap Pertumbuhan Tanaman Mucuna pruriens pada Tanah yang Dicemari Logam Berat Pb dan Cd

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2015

Jurnal internasional bereputasi

Effect of Talaromyces pinophilus and SP36 on phosphate available and potato (Solanum tuberosum L.) production on Andisol impacted by Mount Sinabung eruption, North Sumatera

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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

2015

Jurnal nasional

Peningkatan Ketersediaan Fosfat Dan Produksi Tanaman Kentang (*Solanum Tuberosum* L) Dengan Menggunakan *Talaromyces Pinophilus* Indigenous Dan Pupuk Sp36 Pada Andisol Terdampak

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Precocious 19th century soil carbon science

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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

2026

Jurnal nasional

Peningkatan Kesuburan Tanah Inseptisol serta Pertumbuhan dan Produksi Kedelai Akibat Pemberian Kompos Diperkaya Cangkang Telur Ayam dan Mikroba Bermanfaat: Increased Inceptisol

T SABRINA

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Prosiding seminar nasional

APLIKASI SUPPORT VECTOR MACHINE PADA DETEKSI PENYAKIT BUSUK PANGKAL BATANG GANODERMA TANAMAN KELAPA SAWIT

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2015

Jurnal nasional

Evaluasi Sifat Biologi Tanah Tanaman Kopi Arabika (*Coffea arabica* L.) pada Beberapa Kecamatan di Kabupaten Mandailing Natal

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Jurnal nasional terakreditasi

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

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Jurnal internasional bereputasi

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

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Prosiding seminar internasional

Carbon Dioxide Emissions at the Peatland in Oil Palm Plantations: Groundwater, Subsidence, and Climate

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Jurnal internasional

Effect of *Talaromyces pinophilus* and SP36 on phosphate available and potato (*Solanum tuberosum* L.) production on Andisol impacted by Mount Sinabung eruption, North Sumatera

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Purification and characterization of NAD-dependent formate dehydrogenase from the white-rot fungus *Ceriporiopsis subvermispora* and a possible role of the enzyme in oxalate

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Halal Literacy on Islamic Branding and Advertising in The Interest of Halal Product Consumption in High School Student Society

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Utilization of Actinomycetes to increase phosphate availability at different soil moisture conditions in Andisols Namanteran, North Sumatera

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Evaluation of Nutrients Released from Phosphorus-Enriched Empty Oil Palm Fruit Bunches As Growing Media Using *Setaria splendida*

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PENINGKATAN KETERSEDIAAN FOSFAT DAN PRODUKSI TANAMAN KENTANG (*Solanum tuberosum* L) DENGAN MENGGUNAKAN TALAROMYCES PINOPHIL...

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Uji Efektifitas Beberapa Jenis Dekomposer Pada Beberapa Jenis Bahan Kompos

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Prosiding seminar internasional

A resistance test of oil palm varieties (*elaeis guineensis* jacq.) In the saline soil with an adduction of humic acid

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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

2017

Jurnal nasional

Perkembangan Cacing Pontoscolex corethrusus Pada Media Kultur Dengan Berbagai Jenis Tekstur Tanah dan Bahan Organik: Growth of Pontoscolex corethrusus on Culture Media With

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

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

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Increased Inceptisol Soil Fertility as well as Growth and Production of Soybeans due to Compost Enriched Eggshells and Beneficial Microbes

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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

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Effects of earthworms, arbuscular mycorrhizae, and phosphate rock on setaria grass (Setaria splendida) and phosphorus availability in soil

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2009

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Performance evaluation of potent phosphate solubilizing bacteria in potato rhizosphere.

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

DIANA SOFIA HANAFIAH , T SABRINA

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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

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Identification of heavy metal resistance genes using bioinformatics in mangrove sediment bacteria

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

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Peningkatan Ketersediaan Fosfat, Pertumbuhan dan Produksi Tanaman Kentang (*Solanum tuberosum L*) dengan Menggunakan Jamur Pelarut Fosfat dan Dosis Pupuk P pada Andisol Terdampak, …

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Perkembangan Cacing *Pontoscolex corethrurus* Pada Media Kultur Dengan Berbagai Jenis Bahan Organik dan Tekstur Tanah

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Test of effectiveness decomposers on some types of compost material

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Prediksi Tingkat Bahaya Erosi dengan Metode USLE di Perkebunan Kelapa Sawit di Desa Balian Kecamatan Mesuji Raya Kabupaten Ogan Komering Ilir.

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

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Respon Sifat Kimia, Bio-Kimia Tanah Sawah, Serapan Hara Dan Produksi Tanaman Padi (*Oryza Sativa, L*) Terhadap Pemberian Jerami Pada Sistem Tanam Budid...

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Effect of *Talaromyces pinophilus* and SP36 on Phosphate Available and Potato (*Solanum tuberosum L*) Production on Andisol Impacted by Mount Sinabung Eruption, North Sumatera, Indonesia.

MARIANI BR SEMBIRING , DENI ELFIATI , T SABRINA

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A Role of Formate Dehydrogenase in the Oxalate Metabolism in the Wood-destroying Basidiomycete Ceriporiopsis subvermispora

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Jurnal nasional

The Effect of Composition Between Top Soil, Sinabung Volcanic Ash and Oil Palm Empty Fruit Bunches Compost as a Growing Medium on the Growth of Deli Tobacco (Nicotiana tabacum L.)

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Jurnal nasional

Perbaikan Beberapa Sifat Fisika Tanah Sawah Ditanami Semangka Melalui

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Prosiding seminar internasional

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

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

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Prosiding seminar internasional

The role of phosphate solubilizing fungi from the shallot rhizosphere on increasing the growth and yield of shallot on Andisol

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Jurnal internasional bereputasi

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

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P status in Andisol and P content in arabica coffee seedling leaves due to the application of phosphate providing microorganisms and organic matters in Bener Meriah

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Jurnal nasional

Survei Pemetaan P-Potensial Dan P-Tersedia Terhadap Produksi Tanaman Kelapa Sawit (Elaeis Guinensis Jacq.) Di Perkebunan Pt. Buana Estate Kabupaten Langkat

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2026

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Upaya Pencegahan Cacingan Melalui Edukasi dan Praktik Kebersihan Tangan dan Kuku

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

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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

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

2025

Jurnal internasional

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

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Jurnal internasional bereputasi

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

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2021

Jurnal nasional

PENGARUH PENGGUNAAN BIOCHAR BIOMASSA KELAPA SAWIT TERHADAP

AKTIVITAS MIKROORGANISME PADA TANAH ULTISOL

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Jurnal nasional terakreditasi

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

T SABRINA

2005

Jurnal internasional bereputasi

Purification and characterization of NAD-dependent formate dehydrogenase from the white-rot fungus *Ceriporiopsis subvermispora* and a possible role of the enzyme in oxalate metabolism;

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2026

Jurnal nasional

The Effects of Azolla and Phosphate Solubilizing Bacteria on Growth and Production Of Paddy (*Oryza sativa* L.) on acid sulphate soil

T SABRINA

2017

Jurnal nasional

Pemanfaatan Mikroorganisme Penyedia Fosfat dan Bahan Organik untuk Meningkatkan Ketersediaan P-tanah Andisol dan Pertumbuhan Bibit Kopi Arabika di Kabupaten Bener Meriah

T SABRINA

2013

Jurnal internasional bereputasi

Phosphate-Solubilizing Fungi: Impact on Growth and Development of Economically Important Plants.

T SABRINA

2026

Jurnal nasional terakreditasi

Peningkatan Ketersediaan Fosfat Dan Produksi Tanaman Kentang (*Solanum Tuberosum* L) Dengan Menggunakan *Talaromyces Pinophilus* Indigenous Dan Pupuk Sp36 Pada Andisol Terdampak;

T SABRINA

2015

Jurnal internasional

Biochar application to temperate soils: Effects on soil fertility and crop growth under greenhouse conditions.

T SABRINA

2003

Jurnal internasional

A role of formate dehydrogenase in the oxalate metabolism in the wood-destroying basidiomycete *Ceriporiopsis subvermispora*

T SABRINA

2014

Jurnal nasional

Campuran Tulang Sapi Dengan Asam Organik Untuk Meningkatkan PTersedia dan Pertumbuhan Tanaman Jagung di Inceptisol

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2026

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

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Jurnal nasional

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

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

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

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

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

2019

Jurnal internasional bereputasi

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

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

2023

Prosiding seminar internasional

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

T SABRINA

2025

Book chapter internasional

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

T SABRINA , HOTNIDA SINAGA

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

2016

Jurnal nasional

Populasi Bakteri Tanah pada Piringan Tanaman Kelapa Sawit Akibat Pemberian Pupuk NPK Komplit: Population of Soil Bacterial in The Oil

Palm Weeded Circle Applied with NPK in Weeded Circle

T SABRINA

2018

Prosiding seminar internasional

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

T SABRINA

2011

Jurnal internasional bereputasi

Evaluation of Nutrients Released from Phosphorus-Enriched Empty Oil Palm Fruit Bunches As Growing Media Using *Setaria splendida*

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

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

2026

Prosiding seminar internasional

THE GROWTH OF OIL PALM VARIETIES (*ELAEIS GUINEENSIS* JACQ.) ON SUBSOIL MEDIA TREATED WITH SEVERAL DOSAGES OF NITROGEN FERTILIZER

T SABRINA

2020

Jurnal internasional bereputasi

Precocious 19th century soil carbon science

T SABRINA

2019

Prosiding seminar internasional

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

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

2021

Jurnal internasional bereputasi

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

T SABRINA

2020

Jurnal nasional

Soil Macrofauna as Bioindicator on Aek Loba Palm Oil Plantation Land

T SABRINA

2005

Jurnal internasional

Purification and characterization of NAD-dependent formate dehydrogenase

from the white-rot fungus *Ceriporiopsis subvermispora* and a possible role of the enzyme in oxalate

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2026

Jurnal nasional

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

2026

Buku referensi

J., Rusman, B., & Wawan.(2016)

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2025

Jurnal internasional bereputasi

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

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

2022

Prosiding seminar internasional

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

T SABRINA

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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

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Prosiding seminar internasional

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

T SABRINA

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Jurnal internasional bereputasi

Effect *Burkholderia cepacia* and SP36 on Available Phosphate and Potato (*Solanum tuberosum* L.) production on andisol impacted by Mount Sinabung eruption, North Sumatera, Indonesia

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2019

Prosiding seminar internasional

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

T SABRINA

2013

Jurnal internasional bereputasi

Effects of earthworms, arbuscular mycorrhizae, and phosphate rock on setaria grass (*'Setaria splendida'*) and phosphorus availability in soil

T SABRINA

2023
Prosiding seminar internasional

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

ABDUL RAUF , T SABRINA

2026
Book chapter internasional

Advances in Agronomy

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

2026
Jurnal nasional terakreditasi

Description of Macrofaunal Communities at Different Thickness of Sinabung Volcanic Ash on Andisol Soil in Karo Regency

T SABRINA

2015
Jurnal nasional terakreditasi

PENGARUH PEMBERIAN MVA (MIKORIZA VESICULAR ARBUSKULAR) TERHADAP PERTUMBUHAN STUMP KARET KLON PB 260 (Hevea Brasiliensis Muell Ar...

T SABRINA

2026
Jurnal internasional

The soil macrofauna diversity in Negeri Lama; Oil palm plantation area, Indonesia

T SABRINA

Researches

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

2021
Penelitian Dosen Pemula

Kajian Kualitas Pupuk Hayati Bio-Vermigot (Vermikompos dan Kasgot)

NINI RAHMAWATI , NUR ULINA WARNISYAH SEBAYANG , 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

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

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

2023

Penelitian Unggulan Perguruan Tinggi

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

MARIANI BR SEMBIRING , T SABRINA

Community Services

2019

Ipteks Bagi Masyarakat

PENINGKATAN DAYA DUKUNG LAHAN JAGUNG MELALUI APLIKASI TEKNOLOGI TERPADU

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

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

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

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Paten nasional

penelitian dan pengabdian

T SABRINA

2026

Paten nasional

Sistem Informasi Pemupukan

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

2026

Paten nasional

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

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2026

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

2026
Paten nasional

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

T SABRINA , MARIANI BR SEMBIRING

2026
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

2026
Hasil penelitian/pemikiran yang tidak dipublikasikan

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

T SABRINA

2026
Paten nasional

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

MARIANI BR SEMBIRING , T SABRINA
