Prof. Dr.Ir. Noverita Sprinse Vinolina, M.P.

Lecturer of Undergraduate Program in Agrotechnology Study Program
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Prof. Dr. Ir. Noverita Sprinse Vinolina, M.P., born in Padang Halaban on November 25, 1968, currently serves as an Agrotechnology lecturer at the Universitas Sumatera Utara with expertise in Plant Physiology, Secondary Metabolism, Agronomy, Medicinal Plants, and Plantation Plants.

Education Profile:

- Bachelor's degree from the Universitas Sumatera Utara

- Master's degree from the Universitas Sumatera Utara

- Doctoral degree from the Universitas Sumatera Utara

As a professor, Prof. Dr. Ir. Noverita Sprinse Vinolina has made significant contributions to the development of agrotechnology science. Her expertise covers various aspects, ranging from plant physiology to agronomy, demonstrating the diversity of her knowledge and dedication to agricultural science at the Universitas Sumatera Utara.

Publications

2026
Jurnal internasional bereputasi

Growth and production response of cowpea (Vigna unguiculata L.) to the application of bamboo root PGPR

NOVERITA SPRINSE VINOLINA , MARIATI , POSMA MANGASI PINTARIA MARBUN

2026
Jurnal internasional bereputasi

The effect of empty fruit bunch (EFB) compost and palm oil mill effluent (POME) concentrate on prenursery of palm oil (Elaeis guineensis Jacq.) for sustainable agricultural

NOVERITA SPRINSE VINOLINA

2025
Jurnal internasional bereputasi

Response of Gotu Kola Plants (Centella asiatica (L.) Urban) to Corn Cob Compost and Liquid Organic Fertilizer from Banana Corms and Moringa Leaves

NOVERITA SPRINSE VINOLINA

2025
Jurnal internasional bereputasi

Photosynthetic energy assessment in shallot farming using combining Sentinel-2 data with NetBeat™ in a highland tropical agroecosystem: Case study at food estate Hutajulu, North Sumatra, Indonesia

NOVERITA SPRINSE VINOLINA

2025
Jurnal nasional

Pemangkasan Pucuk dan Pemberian Pupuk NPK untuk Meningkatkan Produksi Tanaman Okra (Abelmoschus esculentusL. Moench)

MEIRIANI , NOVERITA SPRINSE VINOLINA , RATNA ROSANTI LAHAY

2025
Jurnal nasional

Hydroponic Production Training Towards Adiwiyata Schools at Gelora Jaya Nusantara Vocational School Medan

SRI WAHYUNI , MARTALENA BR S KEMBAREN , NOVERITA SPRINSE VINOLINA

2025
Jurnal internasional bereputasi

Comparative Analysis of Biofertilizer and Organic Fertilizer Doses on Pegagan (Centella asiatica L. Urb.) Biomass Accumulation

NOVERITA SPRINSE VINOLINA

2025
Prosiding seminar internasional

Comparative Analysis of Biofertilizer and Organic Fertilizer Doses on Pegagan (Centella asiatica L. Urb.) Biomass Accumulation

POSMA MANGASI PINTARIA MARBUN , MEIRIANI , NOVERITA SPRINSE VINOLINA

2024
Jurnal internasional bereputasi

Effect of Lamtoro Leaf Liquid Organic Fertilizer and Chicken Manure on the Growth and Production of Shallots (Allium ascalonicum L.)

NOVERITA SPRINSE VINOLINA

2024
Prosiding seminar internasional

The effects of applying poultry waste and coconut shell biochar on the growth and production of shallots (Allium ascalonicum L.)

POSMA MANGASI PINTARIA MARBUN , NOVERITA SPRINSE VINOLINA

2024
Jurnal nasional terakreditasi

Growth of Edamame (Glycine max (L.) Merrill) Plants on Coffee Peel Compost and Rice Straw Mulch

NOVERITA SPRINSE VINOLINA

2024
Jurnal nasional terakreditasi

Training on watershed conservation and water filter making as part of the Adiwiyata School program assistance at SMK Swasta Gelora Jaya Nusantara Medan

MARTALENA BR S KEMBAREN , NOVERITA SPRINSE VINOLINA , SRI WAHYUNI

2024
Jurnal nasional terakreditasi

Pelatihan Pengelolaan Sampah Organik dan Anorganik Pembuatan Ecobrick dan Ecoenzyme

NOVERITA SPRINSE VINOLINA , MARTALENA BR S KEMBAREN , SRI WAHYUNI

2024
Jurnal internasional

Processing Solid Waste from Cabbage Vegetables and Cow Rumen Contents into Liquid Organic Fertilizer (LOF) in Semangat Village, Merdeka District, Karo Regency

NOVERITA SPRINSE VINOLINA

2024
Jurnal internasional bereputasi

Various treatments to overcome dormancy of jernang rattan seeds (Daemonorops didymophylla Becc.)

NOVERITA SPRINSE VINOLINA

2023
Jurnal internasional bereputasi

The effect of biological fertilizer and organic fertilizer in growth and biomass

of Pegagan (Centella asiatica (L.) Urban) from Simalungun accession

NOVERITA SPRINSE VINOLINA

2023
Jurnal internasional bereputasi

The effect of biological fertilizer and organic fertilizer in growth and biomass of Pegagan (Centella asiatica (L.) Urban) from Simalungun accession

NOVERITA SPRINSE VINOLINA

2023
Jurnal internasional bereputasi

The Effect of Liquid Organic Fertilizer and Cattle Manure in Increasing the Biomass of Asiatic Pennywort (Centella asiatica L. Urb)

JONIS GINTING , NOVERITA SPRINSE VINOLINA

2023
Jurnal internasional bereputasi

Early detection of local inbred of rice from Aceh to drought stressusing PEG 6000

NOVERITA SPRINSE VINOLINA

2022
Jurnal internasional bereputasi

Growth and Secondary Metabolites Production of Centella asiatica (L.) Urb. Cultivated at Different Phosphate Application Rates in Acid Soil

NOVERITA SPRINSE VINOLINA

2022
Prosiding seminar internasional

Growth Response and Biomass Production of Pegagan (Centella asiatica L(Urb)) from Medan Accession with Phosphorus Application

NOVERITA SPRINSE VINOLINA , MARIATI

2022
Jurnal nasional terakreditasi

Water Conservation and Sanitation HKBP Sidorame Private SMA

MARTHA RIANNA , NOVERITA SPRINSE VINOLINA

2021
Jurnal internasional bereputasi

Centella asiatica tendril growth of Samosir - Indonesia accession

NOVERITA SPRINSE VINOLINA

2021
Jurnal nasional

Pegagan (Centella asiatica L. Urban) dan Metabolit Sekundernya

NOVERITA SPRINSE VINOLINA

2021
Prosiding seminar internasional

Pegagan (Centella asiatica) as a functional food for health with centelloside content

NOVERITA SPRINSE VINOLINA

2021
Jurnal internasional bereputasi

Phytochemical screening and biomass production of Centella asiatica (L.) Urb of Samosir-Indonesia accession cultivated on acid soil with different phosphorus treatments

NOVERITA SPRINSE VINOLINA

2021
Prosiding seminar internasional

Variation in Growth of Centella asiatica of Samosir - Indonesia Accession with Phosphorus Fertilizer Cultivated at Samosir Field

NOVERITA SPRINSE VINOLINA

2021
Buku referensi

Budi Daya Tanaman Sehat Secara Organik

MARULAM MT SIMARMATA , ISMAIL MARZUKI SSI M SI , NOVERITA SPRINSE VINOLINA , ARSI , EVAN PURNAMA RAMDAN , YOGI NIRWANTO , CHEPPY WATI , WASISSA TITI ILHAMI

2020
Book chapter nasional

Teaching from home: Dari belajar merdeka menuju merdeka belajar

NOVERITA SPRINSE VINOLINA

2020
Book chapter nasional

Pandemik COVID-19: Persoalan dan Refleksi di Indonesia

NOVERITA SPRINSE VINOLINA

2020
Book chapter nasional

Belajar dari Covid-19: Perspektif teknologi dan pertanian

NOVERITA SPRINSE VINOLINA

2019
Jurnal internasional bereputasi

Secondary Metabolite Content in Pegagan(Centella asiatica) from North Sumatera

NOVERITA SPRINSE VINOLINA

2019
Jurnal internasional

The Effect of Harvest Time on Bioactive Compounds of Field-Cultivated Centella asiatica (L) Urban

NOVERITA SPRINSE VINOLINA

2018
Prosiding seminar internasional

Centelloside content of cultivated pegagan (Centella asiatica) with application of phosporus fertilizer

NOVERITA SPRINSE VINOLINA

2018
Jurnal internasional bereputasi

Production enhancement technology of Pegagan (Centella asiatica)

NOVERITA SPRINSE VINOLINA

2017
Prosiding seminar nasional

Kandungan Metabolit Sekunder (Centellosida) Pegagan (Centella asiatica) Aksesi Deli Serdang

NOVERITA SPRINSE VINOLINA

2016
Jurnal internasional

Production of Asiaticoside in Pegagan (Centella asiatica) with Phosphorus and Methyl Jasmonate Treatment

NOVERITA SPRINSE VINOLINA

2016
Jurnal internasional

Content of Centelloside in Pegagan (Centella asiatica) Deli Serdang Harvested/Tom Nature

NOVERITA SPRINSE VINOLINA

2014
Jurnal nasional

PENGARUH PEMBERIAN FOSFOR DAN UMUR PANEN TERHADAP PERTUMBUHAN DAN PRODUKSI PEGAGAN (Centella asiatica (L.) Urb.)

NOVERITA SPRINSE VINOLINA

2014
Jurnal nasional

Respons Pertumbuhan Dan Produksi Biomassa Tanaman Obat Pegagan (Centella Asiatica (L.) urb.) Dengan Pemberian Fosfor Dan Metil Jasmonat.

NOVERITA SPRINSE VINOLINA

2013
Prosiding seminar internasional

Analysis of Centelloside of Pegagan (Centella asiatica)

NOVERITA SPRINSE VINOLINA

2013
Jurnal internasional

Centelloside Content of Pegagan (Centella asiatica)

NOVERITA SPRINSE VINOLINA

2012
Prosiding seminar nasional

Kandungan Asiatikosida dan Uji Fitokimia Daun Pegagan

NOVERITA SPRINSE VINOLINA

2012
Prosiding seminar internasional

Morphology of leaves and content of secondary metabolites asiaticoside in some accession of pegagan (Centella asiatica l. Urban) in North Sumatera

NOVERITA SPRINSE VINOLINA

2012
Prosiding seminar internasional

Morphology of leaves and content of secondary metabolites asiaticoside in some accession of pegagan (Centella asiatica l. Urban) in North Sumatera

NOVERITA SPRINSE VINOLINA , LUTHFI AZIZ MAHMUD SIREGAR , JUSTIN A NAPITUPULU

2010
Jurnal nasional

Kandungan Metabolit Sekunder pada Tanaman Pegagan (Centella asiatica L.)

NOVERITA SPRINSE VINOLINA

2009
Prosiding seminar internasional

Response of Pegagan (Centella asiatica) to Compost and Liquid Organic Fertilizer

NOVERITA SPRINSE VINOLINA

2005
Jurnal nasional

PENGARUH PEMBERIAN NITROGEN DAN KOMPOS TERHADAP KOMPONEN PERTUMBUHAN TANAMAN LIDAH BUAYA (Aloe vera)

NOVERITA SPRINSE VINOLINA

2005
Jurnal nasional

Pengaruh Konsentrasi Pupuk Pelengkap Cair Nipkaplus dan Jarak Tanam Terhadap Pertumbuhan dan Produksi Tanaman Baby Kaylan (Brassica oleraceae L.) Secara Vertikultur

NOVERITA SPRINSE VINOLINA

2005
Jurnal nasional

PENGARUH KONSENTRASI PUPUK PELENGKAP CAIR NIPKAPLUS DAN JARAK TANAM TERHADAP PERTUMBUHAN DAN PRODUKSI TANAMAN BABY KAYLAN (Brassica oleraceae L. Var. Acephala DC.) SECARA VERTIKULTUR

NOVERITA SPRINSE VINOLINA

2026
Jurnal internasional

CentellosideContent ofPegagan (Centellaasiatica) in Multiple Access from North Sumatra

NOVERITA SPRINSE VINOLINA

Researches

2025
Penelitian Dana Lokal Perguruan Tinggi

Teknologi Pemanfaatan Limbah Pertanian Sebagai Nutrisi dalam Budidaya Organik Tanaman Pegagan (Centella asiatica)

POSMA MANGASI PINTARIA MARBUN , NOVERITA SPRINSE VINOLINA

2025
Penelitian Dana Lokal Perguruan Tinggi

PENINGKATAN PRODUKTIVITAS BAWANG PUTIH LOKAL AKSESI SIMALUNGUN DENGAN MUTAGEN KIMIA

MARIATI , MEIRIANI , POSMA MANGASI PINTARIA MARBUN , NOVERITA SPRINSE VINOLINA

2024
Penelitian Fundamental

Penelitian Sumber Dana DRTPM KEMDIKBUDRISTEK

MARIATI , POSMA MANGASI PINTARIA MARBUN , NOVILDA ELIZABETH MUSTAMU , NOVERITA SPRINSE VINOLINA

2020
Penelitian Fundamental

Teknologi Peningkatan Kualitas Pegagan (Centella asiatica) Sebagai Tanaman Obat dan Pangan

NOVERITA SPRINSE VINOLINA

2017
Penelitian Fundamental

Budidaya Beberapa Aksesi Pegagan (Centella asiatica)Sumatera Utara dan Kandungan Centellosidanya

NOVERITA SPRINSE VINOLINA

2015
Penelitian Fundamental

Budidaya Beberapa Aksesi Pegagan (Centella asiatica) Sumatera Utara dan Kandungan Centellosidanya

NOVERITA SPRINSE VINOLINA

Community Services

2025

Sarjana Penggerak Pembangunan Indonesia (SPPI) Batch 3

NOVERITA SPRINSE VINOLINA

2024

Pendampingan SMK Swasta Gelora Jaya Nusantara dalam pengembangan sekolah berbasis eco school program untuk Pencapaian Sekolah Adiwiyata

SRI WAHYUNI , MARTALENA BR S KEMBAREN , NOVERITA SPRINSE VINOLINA , EDUAR DANIEL LASE , VINCENCIA SIREGAR , CATHY GHITA SINURAT , PEBRY TRIWANI ARITONANG

2024

Peningkatan Ekonomi Melalui Pengolahan Hasil Panen Sampingan Di Desa Lumban Lobu Kecamatan Bonatua Lunasi Kabupaten Toba

MARIATI , MEIRIANI , POSMA MANGASI PINTARIA MARBUN , RATNA ROSANTI LAHAY , BINTANG , NOVERITA SPRINSE VINOLINA

2024
Ipteks Bagi Masyarakat

Penguatan Kelompok Lapo Sebagai Sumber Gali Ilmu Pertanian Organik yang Berkelanjutan di Kecamatan Bonatua Lunasi Kabupaten Toba

MARIATI , MEIRIANI , POSMA MANGASI PINTARIA MARBUN , RATNA ROSANTI LAHAY , MARYANI CYCCU TOBING , BINTANG , NOVERITA SPRINSE VINOLINA

2023
Ipteks Bagi Masyarakat

Sosialisasi Bertanam Sayur Hidroponik, Desa Paya Bakung, Kecamatan Hamparan Perak Deli Serdang

MARIATI , MEIRIANI , POSMA MANGASI PINTARIA MARBUN , RATNA ROSANTI LAHAY , BINTANG , NOVERITA SPRINSE VINOLINA

2021
Ipteks Bagi Masyarakat

Rancang Bangun Alat Bantu Cuci Tangan menggunakan Teknologi Sederhana SD Swasta HKBP II Pajak Baru Belawan

MARTHA RIANNA , NOVERITA SPRINSE VINOLINA , PERDINAN SINUHAJI

2021
Ipteks Bagi Masyarakat

KONSERVASI AIR DAN SANITASI SMA SWASTA HKBP SIDORAME

MARTHA RIANNA , NOVERITA SPRINSE VINOLINA

2012
Ipteks Bagi Masyarakat

IbM Kelompok Tani Padi Sawah Tadah Hujan di Lubuk Pakam