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*Prof. Dr. Ir. Noverita Sprinse Vinolina, M.P., lahir di Padang Halaban pada 25 November 1968, saat ini menjabat sebagai dosen Agroteknologi di Universitas Sumatera Utara dengan keahlian di bidang Fisiologi Tumbuhan, Metabolisme Sekunder, Agronomi, Tanaman Obat, dan Tanaman Perkebunan.*

*Profil Pendidikan:*

- Lulusan S1 dari Universitas Sumatera Utara

- Lulusan S2 dari Universitas Sumatera Utara

- Lulusan S3 dari Universitas Sumatera Utara

*Sebagai seorang profesor, Prof. Dr. Ir. Noverita Sprinse Vinolina telah memberikan kontribusi yang signifikan dalam pengembangan ilmu agroteknologi. Keahliannya mencakup berbagai aspek, mulai dari fisiologi tumbuhan hingga agronomi, menunjukkan keragaman pengetahuan dan dedikasinya terhadap ilmu pertanian di Universitas Sumatera Utara.*

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## Publications

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2024

Jurnal internasional bereputasi

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

NOVERITA SPRINSE VINOLINA

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2016

Jurnal internasional

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

NOVERITA SPRINSE VINOLINA

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2023

Jurnal internasional bereputasi

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

NOVERITA SPRINSE VINOLINA

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2025

Book chapter internasional

### **Book Chapter - Natural Resources, Environment, and Food and Energy Security Updates in North Sumatra**

NOVERITA SPRINSE VINOLINA , TAVI SUPRIANA

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2020

Book chapter nasional

### **Pandemik COVID-19: Persoalan dan Refleksi di Indonesia**

NOVERITA SPRINSE VINOLINA

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2022

Jurnal internasional bereputasi

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

2022

Jurnal internasional

**Analyses of Bioactive Compounds of Pegagan (Centella Asiatica (L.) Urb) from Samosir “ Indonesia Accession**

NOVERITA SPRINSE VINOLINA , RISWANTI SIGALINGGING

2019

Jurnal internasional bereputasi

**Effect of harvest time on bioactive compounds of field-cultivated Centella asiatica (L) urban.**

LUTHFI AZIZ MAHMUD SIREGAR , 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

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

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

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

2013

Jurnal internasional

**Centelloside Content of Pegagan (Centella asiatica)**

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

2010

Jurnal nasional

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

NOVERITA SPRINSE VINOLINA

2024

Jurnal internasional bereputasi

**Modelling of energy demand prediction system in potato using deep learning method. Res**

RISWANTI SIGALINGGING , NOVERITA SPRINSE VINOLINA , LUKMAN ADLIN HARAHAP , NASHA PUTRI SEBAYANG

2023

Jurnal internasional bereputasi

**Life cycle assessment of shallot farming in Food Estate Hutajulu, North**

## Sumatra, Indonesia

LUKMAN ADLIN HARAHAP , RISWANTI SIGALINGGING , NOVERITA SPRINSE VINOLINA

2019

Jurnal internasional bereputasi

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

NOVERITA SPRINSE VINOLINA

2016

Jurnal internasional

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

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

### **Centella asiatica tendril growth of Samosir Indonesia accession**

NOVERITA SPRINSE VINOLINA , RISWANTI SIGALINGGING

2025

Jurnal internasional bereputasi

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

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

2026

Jurnal internasional

### **CentellosideContent ofPegagan (Centellaasiatica) in Multiple Access from North Sumatra**

NOVERITA SPRINSE VINOLINA

2018

Prosiding seminar internasional

### **Centelloside content of cultivated pegagan (Centella asiatica) with application of phosphorus fertilizer**

NOVERITA SPRINSE VINOLINA

2020

Book chapter nasional

### **Belajar dari Covid-19: Perspektif teknologi dan pertanian**

NOVERITA SPRINSE VINOLINA

2021

Prosiding seminar internasional

### **Centella asiatica tendril growth of Samosir Indonesia accession**

NOVERITA SPRINSE VINOLINA , RISWANTI SIGALINGGING

2012

Prosiding seminar nasional

### **Kandungan Asiatikosida dan Uji Fitokimia Daun Pegagan**

NOVERITA SPRINSE VINOLINA

2021  
Jurnal nasional

## **Pegagan (*Centella asiatica* L. Urban) dan Metabolit Sekundernya**

NOVERITA SPRINSE VINOLINA

2017  
Prosiding seminar nasional

## **Kandungan Metabolit Sekunder (Centellosida) Pegagan (*Centella asiatica*) Aksesinya Deli Serdang**

NOVERITA SPRINSE VINOLINA

2014  
Jurnal nasional

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

NOVERITA SPRINSE VINOLINA

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

2021  
Prosiding seminar internasional

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

NOVERITA SPRINSE VINOLINA

2021  
Jurnal internasional bereputasi

## ***Centella asiatica* tendril growth of Samosir - Indonesia accession**

NOVERITA SPRINSE VINOLINA

2020  
Book chapter nasional

## **Teaching from home: Dari belajar merdeka menuju merdeka belajar**

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

2024  
Jurnal nasional terakreditasi

## **Pelatihan Pengelolaan Sampah Organik dan Anorganik Pembuatan Ecobrick dan Ecoenzyme**

NOVERITA SPRINSE VINOLINA , MARTALENA BR S KEMBAREN , SRI WAHYUNI

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

2013  
Prosiding seminar internasional

## **Analysis of Centelloside of Pegagan (*Centella asiatica*)**

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

2009

Prosiding seminar internasional

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

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

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

2019

Jurnal internasional

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

NOVERITA SPRINSE VINOLINA

2023

Prosiding seminar internasional

### **Analysis of energy used on shallot farming in Food Estate, Hutajulu, North Sumatra**

RISWANTI SIGALINGGING , NOVERITA SPRINSE VINOLINA , CANDRA SIGALINGGING

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

2005

Jurnal nasional

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

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

2014

Jurnal nasional

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

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

2023  
Prosiding seminar internasional

## **Modelling of energy productivity prediction systems of shallots classification growth phase system using convolutional neural network**

LUKMAN ADLIN HARAHAP , RISWANTI SIGALINGGING , 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

2018  
Jurnal internasional bereputasi

## **Production enhancement technology of Pegagan (Centella asiatica)**

NOVERITA SPRINSE VINOLINA

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

## **Researches**

2020  
Penelitian Fundamental

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

NOVERITA SPRINSE VINOLINA

2022  
Penelitian Fundamental

## **Life Cycle Assessment Untuk Analisis Energi pada Sistem Digital Farming Food Estate di Desa Hutajulu, Kabupaten Tapanuli Utara, Sumatera Utara**

LUKMAN ADLIN HARAHAP , RISWANTI SIGALINGGING , NOVERITA SPRINSE VINOLINA

2021  
Penelitian Fundamental

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

RISWANTI SIGALINGGING , NOVERITA SPRINSE VINOLINA

2017  
Penelitian Fundamental

## **Budidaya Beberapa Aksesori Pegagan (Centella asiatica) Sumatera Utara dan Kandungan Centellosidanya**

NOVERITA SPRINSE VINOLINA

2015  
Penelitian Fundamental

## **Budidaya Beberapa Aksesori Pegagan (Centella asiatica) Sumatera Utara dan Kandungan Centellosidanya**

NOVERITA SPRINSE VINOLINA

## **Community Services**

2025

## **Sarjana Penggerak Pembangunan Indonesia (SPPI) Batch 3**

NOVERITA SPRINSE VINOLINA

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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

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2012

Ipteks Bagi Masyarakat

**IbM Kelompok Tani Padi Sawah Tadah Hujan di Lubuk Pakam**

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