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🌐 fp.usu.ac.id/en/lecturer/nini-rahmawati

Mrs. Nini Rahmawati was born in Medan, February 15, 1972. Her career as a lecturer at the Universitas Sumatera Utara Faculty of Agriculture began in 2001. Until now, she has graduated 75 undergraduate program students and 8 master's program students.

She is actively involved in research and community service. She has published 39 articles in journals or proceedings, both national and international. In addition, she has also produced 2 simple patents and 2 copyrights.

Education:

Undergraduate degree at the Faculty of Agriculture, USU (1991-1995)

Master's degree at the Faculty of Natural Resources and Environmental Management, USU (1996-1999)

Doctoral degree at the Faculty of Agriculture, USU (2009-2015)

Publications

2026

Monograf

Pengaruh Jarak Tanam dan Waktu Penyiangan Gulma Terhadap Pertumbuhan dan Produksi Tanaman Bawang Merah (*Allium Ascalonicum* L.) Varietas Medan The Effect of Plant Spacing and Weeding on Growth and Production of Red Onion (*Allium Ascalonicum* L.) Variety Medan

NINI RAHMAWATI

2024

Prosiding seminar internasional

Foliar application of SiO₂ nanoparticles to increase shallot production under water stress as an effort to mitigate climate change

NINI RAHMAWATI

2024

Prosiding seminar internasional

Growth in The Various Ecotypes from Vetiver Plant at Different Salinity Levels

NINI RAHMAWATI

2005

Monograf

Upaya Penyediaan Hara Nitrogen Pada Pertanian Organik

NINI RAHMAWATI

2026

Jurnal nasional

Pengaruh Konsentrasi dan Interval Waktu Pemberian Kitosan terhadap Pertumbuhan dan Produksi Bawang Merah (*Allium ascalonicum* L.) pada Wilayah Iklim Kering

NINI RAHMAWATI

2017

Jurnal nasional

Respon pertumbuhan dan produksi ubi jalar (*Ipomoea batatas* L.) terhadap tinggi bedengan dan dosis pupuk kandang ayam

NINI RAHMAWATI

2026

Jurnal nasional terakreditasi

Analysis of Organic and Conventional Lowland Rice (*Oryza Sativa* L) Cultivation Systems in Supporting Environmentally Friendly Agriculture in Beringin District, Deli Serdang Regency

NINI RAHMAWATI

2023

Prosiding seminar nasional

Analisis Produksi Tiga Genotipe Ubi Jalar Lokal Terhadap dengan Pemberian Zat Pengatur Tumbuh Retardan

NINI RAHMAWATI

2017

Jurnal nasional

Respons Pertumbuhan Dan Produksi Kedelai (*Glycine max* (L. Merril) Terhadap Pemberian Biochar Sekam Padi Dan Pupuk P

NINI RAHMAWATI

2015

Jurnal nasional

Pengaruh Pemberian Mikoriza Dan Komposisi Media Tanam Pada Pembibitan Kelapa Sawit di Pre Nursery

NINI RAHMAWATI

2026

Jurnal nasional terakreditasi

Growth and biochemical responses of red chili (*Capsicum annum* L) under drought conditions with 6-Benzylaminopurine application

NINI RAHMAWATI

2019

Jurnal nasional terakreditasi

Growth And Production Response of Two Varieties of Lettuce (*Lactuca sativa* L.) on Application of Various Sources of Nitrogen

NINI RAHMAWATI

2014

Jurnal nasional terakreditasi

Produksi dan fisiologi kedelai pada kondisi cekaman kekeringan dengan aplikasi *Bradyrhizobium japonicum* yang diberi penginduksi genistein

YAYA HASANAH , NINI RAHMAWATI

2026

Monograf

GROWTH AND YIELD RESPONSES OF GINGER (*Zingiber officinale* Rosc.) TO SOLID ORGANIC FERTILIZER AND COMPOSITION OF PLANTING MEDIA

NINI RAHMAWATI

2026

Prosiding seminar internasional

The effect of planting material and organic fertilizer on growth of elephant foot yam (*Amorphophallus oncophyllus* Prain.)

NINI RAHMAWATI

2025

Jurnal nasional

Exploration of the Potential of Local Cassava Genotypes to Support Food Security in the Highlands of Toba Regency

NINI RAHMAWATI

2026

Jurnal nasional

Pengaruh Zat Pengatur Tumbuh dan Komposisi Media Tanam Terhadap

Pertumbuhan Okulasi Ubi Kayu: Effect of Plant Growth Regulator and Media Composition on Growth Budding Planting

NINI RAHMAWATI

2023

Jurnal nasional terakreditasi

Analysis of Shallot Growth and Production With Organic Fertilizer and Zeolite in Beach Sand Media

NINI RAHMAWATI

2024

Prosiding seminar nasional

Aplikasi Fitosan untuk Meningkatkan Produksi Tiga Varietas Bawang Merah Asal True Shallot Seed

NINI RAHMAWATI

2022

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

T SABRINA , NINI RAHMAWATI , NUR ULINA WARNISYAH SEBAYANG

2024

Prosiding seminar internasional

Increasing shallot production with chitosan application to support food resilience in dry climate areas

NINI RAHMAWATI

2026

Prosiding seminar internasional

Potential of refugia plants as microhabitat for predator *Sycanus sp*

NINI RAHMAWATI

2023

Prosiding seminar internasional

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

NURSIANI LUBIS , NINI RAHMAWATI , T SABRINA , NUR ULINA WARNISYAH SEBAYANG

2026

Jurnal nasional

Pertumbuhan dan Hasil Mentimun Jepang terhadap Pemberian Pupuk Organik Cair

NINI RAHMAWATI

2022

Jurnal internasional bereputasi

Utilization of rice straw waste compost to increase growth and production of local sweet potatoes

NINI RAHMAWATI

2014

Jurnal nasional

Peran Fungi Mikoriza Arbuskula dan Pupuk Rock Fosfat Terhadap Pertumbuhan dan Produksi Kedelai (*Glycine max (L.) Merrill*)

YAYA HASANAH , NINI RAHMAWATI

2026

Jurnal nasional

Respons Pertumbuhan dan Produksi Ubi Jalar (*Ipomoea batatas L.*) Terhadap Tinggi Bedengan dan Dosis Pupuk Kandang Ayam: Response in growth and production of sweet potatoes

NINI RAHMAWATI

2026
Jurnal nasional terakreditasi

Introduksi Teknologi Pertanian Ramah Lingkungan Berbasis Reuse, Reduce Dan Recycle (3r) Dalam Meningkatkan Pendapatan Petani Jamur Tiram Di Desa Sei Beluru Kabupaten Asahan

NINI RAHMAWATI

2017
Jurnal nasional

Respons Pertumbuhan dan Produksi Berbagai Varietas Ubi Jalar(Ipomoea batatas(L.) Lam) Terhadap Pemberian Kompos Jerami Padi

NINI RAHMAWATI

2024
Prosiding seminar internasional

Reactions of Drought-Affected Oil Palm Variety Seedlings during the Nursery Phase: Bud and Root Responses

NINI RAHMAWATI

2017
Jurnal nasional

Respons Pertumbuhan dan Produksi Tiga Varietas Ubi Jalar Ungu (Ipomoea batatasL.) Terhadap Pemberian Berbagai Dosis Bokashi Jerami Padi

NINI RAHMAWATI

2026
Prosiding seminar internasional

Effect of foliar application of α -tocopherol on vegetative growth and some biochemical constituents of two soybean genotypes under salt stress

NINI RAHMAWATI

2021
Prosiding seminar internasional

Invigoration of expired chilli plant (*Capsicum frutescens* L.) seeds with various concentrations and soaking duration of bean sprout extract

RATNA ROSANTI LAHAY , NINI RAHMAWATI

2021
Prosiding seminar internasional

The response of morphological characteristics of some Soybean Varieties (*Glycine max* (L.) Merrill) a vegetative phase in waterlogging condition

NINI RAHMAWATI , REVANDY I M DAMANIK

2018
Prosiding seminar internasional

Effect of foliar application of α -tocopherol on vegetative growth and some biochemical constituents of two soybean genotypes under salt stress

NINI RAHMAWATI , REVANDY I M DAMANIK

2023
Prosiding seminar internasional

Morphology of Oil Palm (*Elaeis guineensis* Jacq.) Seedlings Under Drought Stress with Oil Palm Shell Ash and *Aspergillus niger* treatment

NINI RAHMAWATI , CHAIRANI HANUM L

2018
Jurnal nasional

Pengendalian Rumput Belulang (*Eleusine indica* L.) dengan Berbagai Herbisida pada Tanaman Karet Belum Menghasilkan di Kebun Rambutan PTPN 3: Weeds Control (*Eleusine indica*) With ...

NINI RAHMAWATI

2018
Prosiding seminar internasional

Effect of foliar application of α -tocopherol on vegetative growth and some biochemical constituents of two soybean genotypes under salt stress

2026

Prosiding seminar internasional

Application of mycorrhizae and salicylic acid to increase antioxidative enzyme activity and relative water content in shallots under drought stress

NINI RAHMAWATI

2026

Jurnal nasional

Pengaruh Konsentrasi Air Kelapadan Lama Waktu Penyimpanan Batang Bawah Terhadap Persentase Keberhasilan Okulasi dan Pertumbuhan Ubi kayu Mukibat: The influence of coconut water& #8230;

NINI RAHMAWATI

2026

Prosiding seminar internasional

Increasing the growth of elephant foot yam (*Amorphophallus oncophyllus* Prain) bulbil with various compositions of planting media and gibberellin as a sustainable cultivation strategy

NINI RAHMAWATI

2026

Prosiding seminar internasional

Analysis of changes in morphological characteristics of leaves and stems in some sweet potato cultivars (*Ipomoea batatas* L.) from Simalungun and Dairi highlands planting in the& #8230;

NINI RAHMAWATI

2018

Jurnal nasional terakreditasi

Respons Pertumbuhan dan Produksi Tanaman Jagung Manis Terhadap Aplikasi Biochar

NINI RAHMAWATI

2018

Jurnal nasional

Physiologys Response Two Genotypes of Soybean on Giving α -Tocopherol in Saline Lands

NINI RAHMAWATI

2026

Prosiding seminar nasional

Peningkatan produksi bengkuang (*Pachyrhizus erosus* L.) sebagai pangan alternatif melalui pemberian pupuk bokasih dan kalium

NINI RAHMAWATI

2018

Jurnal nasional terakreditasi

The Growth Response of Madeira Vine (*Anredera cordifolia* (Ten.) Steenis) on Different Levels of Shade and Application of Fertilizer and Biochar

YAYA HASANAH , NINI RAHMAWATI

2023

Prosiding seminar internasional

Morphology of Oil Palm (*Elaeis guineensis* Jacq.) Seedlings under Drought Stress with Oil Palm Shell Ash and *Aspergillus niger* treatment

NINI RAHMAWATI , CHAIRANI HANUM L

2022

Prosiding seminar nasional

Aplikasi Cocopeat untuk Meningkatkan Pertumbuhan dan Produksi Bawang Merah Varietas Medan pada Cekaman Kekeringan

RATNA ROSANTI LAHAY , NINI RAHMAWATI

2012

Jurnal nasional

Pertumbuhan Dan Produksi Beberapa Varietas Kedelai (*Glycine max L. merill.*) Pada Berbagai Kondisi Air Tanah

YAYA HASANAH , NINI RAHMAWATI

2026

Prosiding seminar nasional

Pemberdayaan Kelompok PKK Dalam Pembuatan Jahe Merah Instan Dari Budidaya Tanaman Obat Keluarga (TOGA) Pada Program Kolaborasi Sosial Membangun Masyarakat Di Desa Bentok

NINI RAHMAWATI

2019

Prosiding seminar internasional

Growth and Production Response of Several Local Sweet Potatoes (*Ipomoea batatas L.*) Clones on Multiple Trimming Levels

NINI RAHMAWATI

2023

Jurnal nasional terakreditasi

Analysis of Shallot Growth and Production With Organic Fertilizer and Zeolite in Beach Sand Media

NINI RAHMAWATI

2024

Prosiding seminar internasional

Improvement in physio-biochemical characteristics of shallot plants with nano silica at several levels of drought stress

NINI RAHMAWATI

2023

Prosiding seminar internasional

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

NINI RAHMAWATI , T SABRINA , NUR ULINA WARNISYAH SEBAYANG

2022

Prosiding seminar nasional

The analysis of decomposition rate of Vermigot fertilizer (vermicompost and kasgot) by utilizing of Black Soldier Fly larvae and earthworms with and without technique feeding

T SABRINA , NINI RAHMAWATI , NUR ULINA WARNISYAH SEBAYANG

2026

Monograf

Waktu dan Jarak Tanam Tanaman Jagung (*Zea mays L.*) Terhadap Pertumbuhan dan produksi Kacang Tanah (*Arachis hypogea L.*).

NINI RAHMAWATI

2026

Monograf

Respons Pertumbuhan dan Produksi Jahe (*Zingiber officinale Rosc.*) Sistem Keranjang terhadap Pemberian Pupuk Organik Padat dan Komposisi Media Tanam

NINI RAHMAWATI

2026

Jurnal nasional

Pertumbuhan dan Produksi Tomat Cherry pada Konsentrasi Nutrisi yang Berbeda dengan Sistem Hidroponik

NINI RAHMAWATI

2026

Jurnal nasional terakreditasi

Respons Pertumbuhan Binahong (*Anredera cordifolia (Ten.) Steenis*)

Terhadap Beberapa

NINI RAHMAWATI

2025

Jurnal nasional terakreditasi

Organic Fertilizer and Oligochitosan to Increase The Growth of Elephant Foot Yam (*Amorphophallus muelleri* Blume) Plants

NINI RAHMAWATI

2023

Prosiding seminar internasional

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

NINI RAHMAWATI , T SABRINA , NUR ULINA WARNISYAH SEBAYANG

2020

Jurnal internasional bereputasi

Analysis of physiological characters and yield quality of several sweet potato (*Ipomoea batatas* L.) genotypes at various watering levels in rainfed paddy field

RATNA ROSANTI LAHAY , NINI RAHMAWATI

2019

Jurnal nasional

Pertumbuhan dan Hasil Produksi Jagung Manis Terhadap Pola Tumpangsari Serta Pemupukan NPK

NINI RAHMAWATI

2025

Jurnal internasional bereputasi

REFUGIA PLANTS WITH VOLATILE COMPOUNDS IN OIL PALM PLANTATION AREAS USING GC-MS ANALYSIS

NINI RAHMAWATI

2026

Prosiding seminar internasional

Comparative study several feed formulation based on agro-industrial by-product on production performance and in vivo digestibility of beef cattle

NINI RAHMAWATI

2024

Prosiding seminar internasional

Optimization of golden snail egg liquid organic fertilizer in sweet potato cultivation: towards sustainable agriculture and increased production

NINI RAHMAWATI

2026

Jurnal nasional

Pertumbuhan dan Produksi Tomat Cherry pada Konsentrasi Nutrisi yang Berbeda dengan Sistem Hidroponik: The Growth and Production of Cherry Tomato at Different Concentrations of

NINI RAHMAWATI

2023

Prosiding seminar internasional

The effect of planting material and organic fertilizer on growth of elephant foot yam (*Amorphophallus oncophyllus* Prain.)

EMMY HARSO KARDHINATA , NINI RAHMAWATI

Researches

2021

Penelitian Dana Lokal Perguruan Tinggi

Respon Varietas Kedelai (Glycine max L. Merrill) Toleran Genangan pada Lahan Rawa dan Pasang Surut

NINI RAHMAWATI , REVANDY I M DAMANIK

2019

Analisis Aktivitas Enzim Antioksidan dan Kualitas Hasil Ubi Jalar Lokal pada Kondisi Stress Kekeringan di Lahan Sawah Tadah Hujan

NINI RAHMAWATI

2017

Kajian Morfofisiologi Kedelai Tahan Cekaman Salinitas dengan Aplikasi Antioksidan

NINI RAHMAWATI

2013

Penelitian Disertasi Doktor

Peran Fungi Mikoriza Arbuskular Indigenus untuk Mengatasi Stres Osmotik dan Def

NINI RAHMAWATI

Community Services

2023

KKN Pembelajaran Pemberdayaan Masyarakat

Surat tugas DPL dan peserta program magang mitra USU MBKM

NINI RAHMAWATI

Intellectual Property Rights

2023

Paten nasional

Penggunaan Asam Askorbat untuk Meningkatkan Produksi Kedelai di Tanah Salin

NINI RAHMAWATI

2023

Hak cipta nasional

Response On Growth And Production Of Vetiver (Vetiveria Zizanioides L.) On Gibberelin Under Salinity Stress Conditions

NINI RAHMAWATI

2023

Hak cipta nasional

The Effect Of Gibberellin In Salin Soil On Growth Of Vetiver (Vetiveria Zizanioides L.)

NINI RAHMAWATI

2023

Paten nasional

METODE MEDAN LISTRIK UNTUK PEMATAHAN DORMANSI DAN PENINGKATAN GERMINASI BIJI ANDALIMAN

NINI RAHMAWATI