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Dr. Deni Elfiati, S.P., M.P., was born in Batusangkar on December 14, 1968. She completed her Bachelor of Agriculture degree at the Department of Soil Science, Faculty of Agriculture, Universitas Andalas in 1993, followed by a Master of Agriculture degree in Soil Science from the Universitas Andalas Postgraduate Program in 1998. She then earned her Doctoral degree in Soil Science from Institut Pertanian Bogor in 2004. Since 2002, she has worked as a lecturer at the Forestry Study Program, Faculty of Forestry, Universitas Sumatera Utara, focusing on forest cultivation and forest soil biology research.

Publications

2024
Jurnal internasional bereputasi

Assessing sediment CO<inf>2</inf> effluxes in the coastal ecosystem of North Sumatra, Indonesia

BEJO SLAMET , MOHAMMAD BASYUNI , NURDIN SULISTIYONO , DENI ELFIATI , SALMA SAFRINA HASHILAH , RIZKA AMELIA , YUNTHA BIMANTARA , MIKRAJNI HARAHAP

2024
Jurnal internasional bereputasi

Assessing sediment CO2 effluxes in the coastal ecosystem of North Sumatra, Indonesia

NURDIN SULISTIYONO , DENI ELFIATI , SALMA SAFRINA HASHILAH , MIKRAJNI HARAHAP , BEJO SLAMET , MOHAMMAD BASYUNI

2024
Prosiding seminar internasional

Structure and composition of rehabilitated mangrove in Lubuk Kertang Village, North Sumatra, Indonesia

DENI ELFIATI , MOHAMMAD BASYUNI

2023
Prosiding seminar internasional

Soil Carbon Organic and Cation Exchange Capacity (CEC) on Rubber Agroforestry Land and Rubber Monoculture Land, Simalungun Regency, North Sumatra, Indonesia

DIANA SOFIA HANAFIAH , MUHDI , DENI ELFIATI

2022
Jurnal nasional terakreditasi

Agroforestry-Based Land Management in the Food Estate Area of Ria-Ria Village, Pollung District, Humbang Hasundutan Regency, North Sumatra

DENI ELFIATI , RIDAHATI RAMBEY , DELVIAN

2022
Prosiding seminar internasional

Rice production in North Aceh Regency based on N, P, K and C-organic studies

RAHMAWATY , DENI ELFIATI , ABDUL RAUF

2022
Prosiding seminar internasional

Exploring endophytic fungi from Rhizophora spp leaves for improving plant growth

DENI ELFIATI , DELVIAN

2021
Prosiding seminar internasional

Morphological identification of phosphate solubilizing and cellulolytic fungi from mangrove soil under Rhizophora stylosa stands

ARIDA SUSILOWATI , DENI ELFIATI , DELVIAN

2021
Artikel ilmiah

Morphological identification of phosphate solubilizing and cellulolytic fungi from mangrove soil under Rhizophora stylosa stands

DENI ELFIATI , ARIDA SUSILOWATI

2021
Prosiding seminar internasional

Characterization of phosphate solubilizing and cellulolytic fungi isolated from soil under Eurycoma longifolia stands

ARIDA SUSILOWATI , DENI ELFIATI

2021
Jurnal nasional

Cultivation of Tilapia (Oreochromis niloticus) using the silvofishery method in Tanjungrejo, Percut Sei Tuan, North Sumatra Province

DELVIAN , RIDAHATI RAMBEY , IPANNA ENGGAR SUSETYA , AMANATUL FADHILAH , DENI ELFIATI

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Prosiding seminar internasional

Identification of phosphate solubilizing fungi under Scaphium macropadum stands in Gunung Leuser National Park, North Sumatra

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2021
Jurnal internasional bereputasi

Potential of phosphate solubilizing fungi isolated from peat soils as inoculant biofertilizer

DENI ELFIATI , DELVIAN , HAMIDAH HANUM , ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2021
Lain-lain

Cultivation of Tilapia (Oreochromis niloticus) using the silvofishery method in Tanjungrejo, Percut Sei Tuan, North Sumatra Province

RIDAHATI RAMBEY , IPANNA ENGGAR SUSETYA , DENI ELFIATI , DELVIAN

2020
Jurnal internasional bereputasi

Conservation of tropical tree biodiversity through macropropagation by shoot cutting of raru (Cotylelobium melanoxylon), a highly utilized dipterocarp in North Sumatra, Indonesia

DENI ELFIATI , ARIDA SUSILOWATI , KANSIH SRI HARTINI

2019
Prosiding seminar internasional

Isolation and identification of decomposer fungi from Macaranga indica and Hibiscus macrophyllus leaf litter from restoration area of Gunung Leuser National Park

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2019
Jurnal internasional bereputasi

Morphological and molecular identification of cellulolytic fungi associated with local raru species

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2019
Jurnal nasional

Agroforestry Land Management with the Community of Candi Rejo Village, Biru-Biru District, Deli Serdang, North Sumatra

DENI ELFIATI , DELVIAN , RIDAHATI RAMBEY

2019
Jurnal internasional bereputasi

Impact of soil collar insertion depth on microbial respiration measurements from tropical peat under an oil palm plantation

DENI ELFIATI , ABDUL RAUF , Siti Fatimah Batubara , Fahmuddin Agus

2019
Jurnal internasional bereputasi

The composition and diversity of plant species in pasak bumiÃ¢Â€Â™s (Eurycoma longifolia) habitat in Batang Lubu Sutam Forest, North Sumatra, Indonesia

DENI ELFIATI , ARIDA SUSILOWATI

2017
Jurnal internasional bereputasi

Phosphate solubilization agents in increasing potatoes production on Andisol Sinabung Area

T SABRINA , DENI ELFIATI , MARIANI BR SEMBIRING

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

T SABRINA , MARIANI BR SEMBIRING , DENI ELFIATI

Researches

2023
Penelitian Fundamental

Dampak Transisi Hutan Mangrove Terhadap Jasa Ekosistem dan Tingkat Kesejahteraan Masyarakat

ERNI JUMILAWATY , DENI ELFIATI , NURDIN SULISTIYONO , IPANNA ENGGAR SUSETYA , YUNASFI

2022
Penelitian Unggulan Perguruan Tinggi

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MOHAMMAD BASYUNI , BEJO SLAMET , DENI ELFIATI

Community Services

2026

Transfer Teknologi Ecoprint Berbasis Flora Lokal untuk Penguatan Kapasitas Produksi dan Kewirausahaan Masyarakat Berkelanjutan

ERNI JUMILAWATY , MOHAMMAD BASYUNI , DENI ELFIATI , IWAN RISNASARI , ETTI SARTINA SIREGAR

2025

Pengendalian Erosi di Anak Sungai Svarga Simelir Melalui Kegiatan Penanaman

DENI ELFIATI , KANSIH SRI HARTINI , IWAN RISNASARI , DEANOVA FRESTIANA BR PELAWI , RUDI HARTONO , NELLY ANNA

2025

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DENI ELFIATI , KANSIH SRI HARTINI , IWAN RISNASARI , DEANOVA FRESTIANA BR PELAWI , RUDI HARTONO , NELLY ANNA

2021

Pengelolaan Lahan Berbasis Agroforestry di Wilayah Food Estate Desa Ria-Ria, Kecamatan Pollung, Kabupaten Humbang Hasundutan, Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , DELVIAN

2020
Penelitian Unggulan Perguruan Tinggi

Pengelolaan Ekosistem Mangrove dengan Metode Silvofishery di Desa Tanjung Rejo, Kecamatan Percut Sei Tuan, Provinsi Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , AMANATUL FADHILAH , IPANNA ENGGAR SUSETYA , DELVIAN

2018
Ipteks Bagi Masyarakat

Teknologi Penanaman Avicennia marina pada Lahan Mangrove Pantai Timur Sumatera Utara

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2018
Ipteks Bagi Masyarakat

Teknologi Penanaman Avicennia marina pada Lahan Mangrove Pantai Timur Sumatera Utara

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2018
Ipteks Bagi Masyarakat

Teknologi Penanaman Avicennia marina pada Lahan Mangrove Pantai Timur Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , DELVIAN

2017
Ipteks Bagi Masyarakat

Penanaman Jenis Rhizopora di Hutan Mangrove Percut Sei Tuan Pantai Timur Sumatera Utara

RIDAHATI RAMBEY , DENI ELFIATI , DELVIAN

2014
Penelitian Hibah Bersaing

PENINGKATAN KETAHANAN TANAMAN KARET (Hevea brasiliensis MUELL. Arg) TERHADAP C

Intellectual Property Rights

2020
Paten nasional

MIKROBA PELARUT FOSFAT Talaromyces pinophilus SEBAGAI PUPUK HAYATI PADA TANAH ANDISOL TERDAMPAK ERUPSI GUNUNG SINABUNG

DENI ELFIATI , T SABRINA , MARIANI BR SEMBIRING