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Diana Sofia Hanafiah, born in Medan on August 30, 1974, is a Lecturer at the Faculty of Agriculture, Universitas Sumatera Utara (USU). She completed her Bachelor of Agriculture at the Department of Plant Breeding, Faculty of Agriculture USU in 1997, Master of Agriculture at the USU Postgraduate Program in 2001, and Doctoral Program at the Plant Breeding and Biotechnology Study Program, IPB Graduate School in 2012. Her areas of expertise are Plant Breeding and Mutation.

Diana Sofia Hanafiah's achievements include being awarded the Twenty-Fourth Best Paper Writer in the Accredited National Periodical Category at the National Seminar of the Indonesian Breeding Science Association (PERIPI) in Bogor in 2012. She also received the 10-year Satya Lancana Karya Satya Award from the President of Indonesia in 2014 and the 20-year Satyalancana Karya Satya Award from the President of Indonesia in 2020. Her profile reflects her dedication to plant breeding science and recognizes her ongoing contributions to the field.

Publications

2026
Prosiding seminar internasional

Evaluation of promising F6 soybean lines for yield and agronomic traits derived from three way crosses

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2026
Jurnal internasional bereputasi

Eco-friendly farming management and molecular surveillance of the pepper yellow leaf curl virus in purple-stem chili

MARIATI , DIANA SOFIA HANAFIAH , Rasiska Tarigan , Dr. Ir. Bagus Kukuh Udiarto, MS , Sutanto , Wiwin Setiawati , Ifa Manzila , Amelia Sebayang , D.W., Utami , Rini Murtiningsih , Agustina E. Marpaung , Imelda S. Marpaung , Atman , Riska , Sortha Simatupang

2026
Jurnal internasional bereputasi

Genetic Diversity of The M-2 Mutant Population Resulting From Gamma Ray Irradiation of The Arias Putih Upland Rice Genotype

DOLLY SOJUANGAN SIREGAR , DIANA SOFIA HANAFIAH , ROSMAYATI , Khairunnisa Lubis

2026
Prosiding seminar internasional

Morphological performance and genetic paramaters in the pruning of F3 generation from a three-parent cross of soybean varities (Glycine max [L.] Merrill)

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2024
Jurnal internasional bereputasi

MANAGEMENT OF GLYPHOSATE ISOPROPYLAMINE-RESISTANT GOOSEGRASS (Eleusine indica) BIOTYPES THROUGH PRE- AND POST-EMERGENCE HERBICIDES

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2024

Jurnal internasional bereputasi

Impact of Pest and Diseases on Mangrove Forest Rehabilitation in Indonesia: A Review

SITI HALIMAH LAREKENG , DIANA SOFIA HANAFIAH , MOHAMMAD BASYUNI

2024
Jurnal internasional

Initial vegetative growth and determination of the lethal dose of local rice arias putih at various doses of gamma irradiation

DOLLY SOJUANGAN SIREGAR , ROSMAYATI , DIANA SOFIA HANAFIAH , Khairunnisa Lubis

2024
Jurnal internasional bereputasi

Optimalisation of in vitro sterilisation methods for North Sumatra local garlic (Allium Sativum L.)

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2024
Prosiding seminar internasional

Initial vegetative growth and determination of the lethal dose of local rice arias putih at various doses of gamma irradiation

Khairunnisa Lubis , DIANA SOFIA HANAFIAH , ROSMAYATI , DOLLY SOJUANGAN SIREGAR

2024
Artikel ilmiah

Response of M-1 Generation Rice Plants of the Local Aceh Cultivar Arias Putih (Oryza sativa L.) to Gamma Irradiation

DOLLY SOJUANGAN SIREGAR , ROSMAYATI , DIANA SOFIA HANAFIAH , Khairunnisa Lubis

2024
Jurnal internasional bereputasi

Exploration and identification of morphological characters of local Samosir shallot (Allium ascalonicum L.) accessions for sustainable agriculture

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2024
Jurnal internasional bereputasi

Effects of noise intensity on concentration levels of chainsaw operators and harvesting workers in industrial forest plantation, North Sumatera, Indonesia

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2024
Prosiding seminar internasional

Genotype and phenotype diversity of the F2 population three-way cross soybean (Glycine max [L.] Merrill) results

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2024
Prosiding seminar internasional

Identification of loval cultivars of red chilli (Capsicum annuum L.) in Lubuk Cuik village, Batu Bara district

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2024
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Histological characteristics of the Indigofera zollingeriana mutant 2 (M2) population resulting from gamma-ray irradiation grown in saline soil

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2023
Jurnal nasional terakreditasi

Product Diversification in The Furniture Industry in Tanjung Anom Village, Deli Serdang

MUHDI , DIANA SOFIA HANAFIAH

2023

Jurnal internasional bereputasi

Genotype by environment analysis on multi-canopy cropping system towards harvest in soybean

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Prosiding seminar internasional

Soil carbon organic and cation exchange capacity (CEC) on rubber agroforestry land and rubber Monoculture land, Simalungun Regency, North Sumatra, Indonesia

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The effect of occupational health and safety to employee performance in the sawmills industries in Langkat, North Sumatra, Indonesia

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2021
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The phenotypic of durian plant (Durio zibethinus Murr.) in Tapanuli Tengah Regency, North Sumatra, Indonesia

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Timber transportation using two types of trucks in industrial plantation forests, North Sumatra, Indonesia

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Jurnal internasional bereputasi

The Effect of Topical Application of 3% Binahong (Anredera cordifolia (Ten) Steenis) Leaves Extract Gel on the Radiographic Bone Density in Post-Extraction Socket.

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Effects of 3% binahong (Anredera cordifolia) leaf extract gel on alveolar bone healing in post-extraction tooth socket wound in Wistar rats (Rattus norvegicus)

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GENETIC ANALYSIS OF SOYBEAN MUTANT LINES RESISTANCE TO STEM ROT DISEASE (Athelia rolfsii Curzi).

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2021
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Mitigation of Food Crisis and Increasing Productivity of Rice Fields for Communities Around the Taman Asoka Asri Housing Amid the Covid-19 Pandemic

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2021
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Radiosensitivity and effect of gamma ray irradiation on upland rice CV. Sidikalang

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Effect of Paclobutrazol concentration on initial formation stolon in potato plants by in vitro at different temperature conditions

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Identification of morphological characters and kinship of coconut genotypes (Cocos nucifera L.) in Aceh Tamiang District, Aceh

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Radio-sensitivity test of gamma irradiation of local chilli pepper seeds (Capsicum annum L.)

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Effect of sulphate reducing bacteria and ameliorants on nutrient status of N and P in acid sulphate soil

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Effect of salinity on phenothypic soybean mutant character (Glycine max (L.) Merr)

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Estimation of litter carbon stocks in rubber agroforestry in Simalungun District, Indonesia

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Evaluation of maize hybrids resistance to northern corn leaf blight in Karo Highland

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Morphological characterization of soybean (Glycine max L. Merril) in drought stress condition and P fertilizer application

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Germination and seedling growth of Kipas Putih soybean (Glycine max [L.] Merril) in various dosage of gamma rays irradiation

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Genetic analysis of soybean mutant lines resistance to stem rot disease (Athelia rolfsii curzi)

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Resistance level of several soybean lines of m<inf>6</inf> generation to stem rot disease athelia rolfsii

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Diversity, biomass, and carbon stock of understorey plants in the rubber agroforestry and rubber monoculture systems in central Tapanuli district, North Sumatra, Indonesia

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Individual selection of roselle plant m4 generation (Hibiscus sabdariffa l.) based on anthocyanin, vitamin c and water content

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KARAKTERISASI MORFOLOGIS DAN HUBUNGAN KEKERABATAN TANAMAN NANAS (ananas comosus (L.) MERR.) DI KABUPATEN KAMPAR DAN SIAK PROVINSI RIAU: MORPHOLOGICAL CHARACTERIZATION ANDÃƒâ€šÃ‚Â …

DIANA SOFIA HANAFIAH

2020
Jurnal nasional

Karakterisasi Morfologis dan Hubungan Kekerabatan Tanaman Nanas (Ananas comosus (L.) Merr.) Di Kabupaten Kampar dan Siak Provinsi Riau

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Resistance level of several soybean lines of M6 generation to stem rot disease Athelia rolfsii

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Analysis of biomass and carbon potential on eucalyptus stand in industrial plantation forest, North Sumatra, Indonesia

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Stress susceptibility index and heritability of tomato varieties to aluminum-treatment with nutrient culture media

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Characterization of Soybean [Glycine max (L.) Merr.] Mutant Lines

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Karakter Vegetatif berbagai Varietas Tomat terhadap Pemberian Aluminium pada Media Kultur Hara

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Protein Content Analysis of Soybean [Glycine Max (L.) Merr.] Lines Results from the Crossing between Detam-2 Varieties with Grobogan

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Physiological Tests on Soybean Mutant Lines against Stem Rot Disease Athelia Rolfsii Curzi

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Pengamatan Karakter Agronomi dan Parameter Genetik Populasi 150 Gy pada Generasi M3 Rosella (Hibiscus sabdariffa L.)

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Chainsaw Operators Perception on Occupational Health and Safety (OHS) in Industrial Plantation Forest, North Sumatra, Indonesia

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Logging waste of Eukaliptus ind 61 clone in industrial plantation forest, North Sumatra, Indonesia

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Pengamatan Parameter Genetik Kedelai [Glycine max (L.) Merril] Generasi M4 Pada Kondisi Optimum dan Cekaman Kekeringan

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Akibat Pemanenan Kayu dengan Teknik Reduced Impact Timber Harvesting

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The genotype selection of M3 generation of Kipas Putih soybean with gamma-rays irradiation on agronomic characters, early maturity and high yielding mutants.

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Identification Genetic of Soybean Mutant (Glycine max L. Merril) Based on Fatty Acid Characters Using Simple Sequence Repeat (SSR) Markers

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Utilization of organic waste and soil microorganisms in compost making and its application in hybrid corn cultivation in the middle school environment in Medan City

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Database of Eleusine indica from NCBI

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Bioinformatics approach of predicted polyprenol reductase in Durian (Durio zibethinus Murr.)

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Glyphosate resistance of Eleusine indica populations from North Sumatra, Indonesia

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DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Karakter Morfologis dan Hubungan Kekerabatan Beberapa Genotipe Kelapa (Cocos nucifera L.) di Kecamatan Silau Laut Kabupaten Asahan: Morphological Characteristics andÃƒâ€šÃ‚Â …

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Pengaruh Kolkisin terhadap Keragaman Morfologi dan Jumlah Kromosom Tanaman Aglaonema Varietas Dud Unjamanee: Effect of colchicines on the morphological differences and theÃƒâ€šÃ‚Â …

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Perubahan Keragaman Morfologi Bawang Merah (Allium ascalonicumL.) Akibat Pemberian Kolkisin dan Iradiasi Sinar Gamma: Changes in

morphological variability of shallot (AlliumÃƒâ€šÃ‚Â …

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2018

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DIANA SOFIA HANAFIAH

Researches

2023

Perbaikan Genetik Kultivar Padi Gogo Lokal Aceh Timur melalui Iradiasi Sinar Gamma dalam Upaya Perakitan Padi Gogo Unggul

ROSMAYATI , DIANA SOFIA HANAFIAH , Khairunnisa Lubis , DOLLY SOJUANGAN SIREGAR

2023

Penelitian Fundamental

Perbaikan Bawang Putih Lokal Sumatera Utara dengan Teknik Induksi Poliploidi In-Vitro Menggunakan Oryzalin

MARIATI , DIANA SOFIA HANAFIAH

2022

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DIANA SOFIA HANAFIAH , HARYATI , CHAIRANI HANUM L

2021

Perbaikan Bawang Putih Lokal Sumatera Utara dengan Teknik Induksi Poliploidi In-Vitro Menggunakan Oryzalin

MARIATI , DIANA SOFIA HANAFIAH

2021

Penelitian Unggulan Perguruan Tinggi

Perakitan Varietas Kedelai Unggul Melalui Hibridisasi

DIANA SOFIA HANAFIAH , Khairunnisa Lubis , HARYATI

2020

Penelitian Fundamental

Induksi poliploidi tomat dengan oryzalin untuk meningkatkan produktivitas dan mutu buah

MARIATI , DIANA SOFIA HANAFIAH

2018

Ipteks Bagi Wilayah

peneltian topik khusus

DIANA SOFIA HANAFIAH , MARTHA ADIWATY SIHALOHO

2016

Penelitian Fundamental

Evaluasi Karakter Agronomi dan Kandungan Quercetin pada Genotip Mutan Bawang Samosir

MARIATI , DIANA SOFIA HANAFIAH

2015

Penelitian Disertasi Doktor

Pengembangan Varietas Bawang Merah Lokal Samosir dengan Induksi Mutasi Menggunakan Iradiasi Sinar Gamma

ROSMAYATI , MARIATI , DIANA SOFIA HANAFIAH

Community Services

2022
Ipteks

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DIANA SOFIA HANAFIAH , HARYATI , CHAIRANI HANUM L

2020

Pemanfaatan Sampah Plastik Dalam Pembuatan Batu Bata Dari Plastik (Babastik) Sebagai Upaya Pengembangan Masyarakat dan ekonomi Kreatif Di Desa Sidodadi Kecamatan Batang Kuis

DIANA SOFIA HANAFIAH , ROHANI GANIE , ZURNI ZAHARA SAMOSIR

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2024
Hak cipta nasional

Pemuliaan Cekaman Kekeringan pada Kedelai

DIANA SOFIA HANAFIAH

2023
Paten nasional

Metode Penanaman 4 Kultivar Kedelai Hitam [(Glycine max (L.) Merriil] dengan menggunakan Sistem Tanam Multikanopi

DIANA SOFIA HANAFIAH , ISNAINI NURWAHYUNI , ELIMASNI

2022
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METODE MENGINDUKSI TOMAT POLIPLOID DENGAN ORYZALIN

MARIATI , DIANA SOFIA HANAFIAH

2022
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GROWTH RESPONSE OF BLACK SOYBEAN (GLYCINE MAX L. MERRIL) WITH A MULTI CANOPY CROPPING SYSTEM ON MEASUREMENT CHLOROPHYLL AND LEAF AREA INDEX

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2022
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DIANA SOFIA HANAFIAH , MARIATI

2020
Paten nasional

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