Prof. Dr. Diana Sofia Hanafiah, SP., MP

Dosen Program Studi S1 Agroteknologi
Fakultas Pertanian
Universitas Sumatera Utara

diana.hanafiah@usu.ac.id

Fakultas Pertanian USU

fp.usu.ac.id/id/dosen/diana-sofia-hanafiah

Diana Sofia Hanafiah, lahir di Medan pada 30 Agustus 1974, adalah seorang Dosen di Fakultas Pertanian Universitas Sumatera Utara (USU). Beliau menyelesaikan pendidikan Sarjana Pertanian (S1) di Jurusan Pemuliaan Tanaman, Fakultas Pertanian USU pada tahun 1997, Magister Pertanian (S2) di Program Pascasarjana USU pada tahun 2001, dan Program Doktor (S3) di Program Studi Pemuliaan dan Bioteknologi Tanaman, Sekolah Pascasarjana IPB pada tahun 2012. Bidang keahliannya adalah Pemuliaan dan Mutasi Tanaman.

Prestasi yang diraih Diana Sofia Hanafiah meliputi penghargaan sebagai Penulis Dua Puluh Empat Makalah Terbaik Kategori Berkala Nasional Terakreditasi pada Seminar Nasional Perhimpunan Ilmu Pemuliaan Indonesia (PERIPI) di Bogor pada tahun 2012. Beliau juga mendapatkan Penghargaan Satya Lancana Karya Satya 10 Tahun dari Presiden RI pada tahun 2014 dan Satyalancana Karya Satya 20 Tahun dari Presiden RI pada tahun 2020. Profilnya mencerminkan dedikasinya terhadap ilmu pemuliaan tanaman dan pengakuan atas kontribusinya yang berkelanjutan dalam bidangnya.

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

DIANA SOFIA HANAFIAH , EDISON PURBA , Dr. Koko Tampubolon, S.P., M.Agr. , MOHAMMAD BASYUNI

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.)

MARIATI , DIANA SOFIA HANAFIAH

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

DIANA SOFIA HANAFIAH

2024
Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

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
Prosiding seminar internasional

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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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

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2021
Prosiding seminar internasional

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

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2021
Prosiding seminar internasional

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

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2021
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Timber transportation using two types of trucks in industrial plantation forests, North Sumatra, Indonesia

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2021
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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2021
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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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Jurnal internasional bereputasi

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

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Jurnal internasional bereputasi

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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2021
Jurnal nasional terakreditasi

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

Prosiding seminar internasional

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

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2021
Prosiding seminar internasional

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

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2021
Prosiding seminar internasional

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

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Prosiding seminar internasional

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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2021
Jurnal internasional bereputasi

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

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2020

Jurnal internasional bereputasi

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

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2020
Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2020
Prosiding seminar internasional

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

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2020
Jurnal nasional

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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2020
Tulisan ilmiah

Identifikasi Karakter Morfologis Tanaman Nanas (Ananas Comosus (L.) Merr.) di Kabupaten Kampar dan Siak Provinsi Riau

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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 …

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2020
Jurnal internasional bereputasi

Effect of Sulfate Reducing Bacteria and Ameliorants on Soil pH, C-Organic and Height of Corn Plants in Acid Sulfate Soils

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

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2020
Jurnal nasional

UJI POLIMORPIK DAN HETEROZIGOSITAS PADA PROGENI F4 KEDELAI (Glycine max (L.) Merril) TAHAN SALIN DENGAN MENGGUNAKAN MARKA SSR (Simple Sequence Repeats)

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Preliminary Study for identifying Rice Plant Disease Based on Thermal Images

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Individual selection of roselle plant m<inf>4</inf> generation (Hibiscus sabdariffa l.) based on anthocyanin, vitamin c and water content

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The influence of Oryzalin concentrations on the plant growth of two tomato (Solanum lycopersicum L.) varieties

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Application of monosodium methyl arsenate with diuron herbicide to control the characteristics of glyphosate-resistant Eleusine indica at oil palm plantations

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

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Jurnal internasional bereputasi

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

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Jurnal nasional terakreditasi

Seleksi Individu Terpilih pada Generasi F5 Kedelai (Glycine max L. Merrill) Berdasarkan Karakter Produksi Tinggi: Individual Selection on F5 Soybean Generation (Glycine max LÃƒâ€šÃ‚Â â€¦

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Agronomic characteristic, genetic variability and heritability of mutant samosir shallot M1V2 generation irradiated by gamma rays.

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Prosiding seminar internasional

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

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Jurnal nasional

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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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 theÃƒâ€šÃ‚Â …

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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 theÃƒâ€šÃ‚Â …

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Inventarisasi dan Identifikasi Jenis Tanaman Talas-Talasan dari Genus Colocasia dan Xanthosoma di Kabupaten Deli Serdang dan Serdang Bedagai

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Parameter Genetik Generasi F4 Persilangan Kedelai Detam-2 Dan Groboga: The Parameter Genetic of the generation crossed F4 Soybean Detam-2 and Grobogan

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Appearance of Agronomic Characters and Genetic Parameters Estimation on M3 Population of Roselle [Hibiscus sabdariffa L.]

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Jurnal nasional

Seleksi Individu Terpilih pada Generasi F5 Kedelai (Glycine max L. Merrill) Berdasarkan Karakter Produksi Tinggi

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Inventarisasi dan Identifikasi Jenis Tanaman Talas-Talasan dari Genus Colocasia dan Xanthosoma di Kabupaten Deli Serdang dan Serdang Bedagai: Inventory and identification ofÃƒâ€šÃ‚Â …

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

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Jurnal nasional

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

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Jurnal nasional

Inventarisasi dan Identifikasi Jenis Tanaman Talas-Talasan dari Genus Colocasia dan Xanthosoma di Kabupaten Deli Serdang dan Serdang Bedagai: Inventory and identification ofÃƒâ€šÃ‚Â …

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

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Parameter Genetik Generasi F4 Persilangan Kedelai Detam-2 Dan Groboga

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Respon dan Heritabilitas Kelapa Sawit (Elaeis guineensis Jacq.) Tipe K++ dan K--Terhadap Aplikasi Pupuk KCl di Pembibitan Pre Nursery

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Prosiding seminar internasional

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

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Jurnal nasional

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

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Karakter Komponen Hasil Dan Parameter Genetik Pada Generasi M3 Rosella (Hibiscus sabdariffa L.): Character Components of Result and Genetic Parameters on Generation M3 RoselleÃƒâ€šÃ‚Â …

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Respon dan Heritabilitas Kelapa Sawit (Elaeis guineensis Jacq.) Tipe K++ dan K--Terhadap Aplikasi Pupuk KCl di Pembibitan Pre Nursery: Response and Heritability of Oil PalmÃƒâ€šÃ‚Â …

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2019
Jurnal nasional terakreditasi

Struktur dan Komposisi Jenis Tegakan Semai dan Pancang di Hutan Alam 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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2019
Jurnal nasional

Karakter Komponen Hasil Dan Parameter Genetik Pada Generasi M3 Rosella (Hibiscus sabdariffa L.)

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Prosiding seminar internasional

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

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2019
Jurnal nasional terakreditasi

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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2019
Prosiding seminar internasional

Database of Eleusine indica from NCBI

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Prosiding seminar internasional

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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Prosiding seminar internasional

Appearance of Agronomic Characters and Genetic Parameters Estimation on M<inf>3</inf> Population of Roselle [Hibiscus sabdariffa L.]

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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 lowlands

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2019
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Variability of coconut phenotype based on morphology and content of fatty acids in Asahan District, North Sumatra, Indonesia

DIANA SOFIA HANAFIAH

2019
Jurnal internasional bereputasi

The genotype selection of m3 generation of kipas putih soybean with gamma-rays irradiation on agronomic characters, early maturity and high yielding mutants

DIANA SOFIA HANAFIAH

2019
Jurnal internasional bereputasi

Histological, physiological and agronomic characters of glyphosate-resistant Eleusine indica biotypes

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2019
Jurnal internasional bereputasi

Agronomic characteristic, genetic variability and heritability of mutant samosir shallot m<inf>1</inf> v<inf>2</inf> generation irradiated by gamma rays

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2018
Jurnal nasional

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DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Seleksi Tingkat Tahan Penyakit Busuk Pangkal Batang Athelia rolfsii (Curzi) Beberapa Galur Kedelai (Glycine maxL. Merrill) dan Produksi Tinggi PadaGenerasi M5: Selection toÃƒâ€šÃ‚Â …

DIANA SOFIA HANAFIAH

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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 …

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Identifikasi Karakter Morfologis Durian (Durio Zibethinus Murr) di Kecamatan Tigalingga dan Pegagan Hilir Kabupaten Dairi Sumatera Utara: Identification of morphologicalÃƒâ€šÃ‚Â …

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

Pertumbuhan dan Hasil Padi Gogo Melalui Rekayasa Pemupukan pada Wilayah Iklim Kering-E

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

Inovasi Sistem Budidaya Padi, Sayur dan Palawija Melalui Kalender Tanam, Pemilihan Varietas dan Teknologi Mikrob Di UMKM Melati, Kelurahan Binjai Timur, Kota Binjai

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
Paten nasional

METODE MENGINDUKSI TOMAT POLIPLOID DENGAN ORYZALIN

MARIATI , DIANA SOFIA HANAFIAH

2022
Hak cipta nasional

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

ELIMASNI , DIANA SOFIA HANAFIAH , ISNAINI NURWAHYUNI

2022
Paten nasional

METODE UNTUK MENETAPKAN LETHAL DOSIS 50 PADA CABAI LOKAL KARO (TEMPER UNGU) TERINFEKSI VIRUS KERITING KUNING MELALUI IRADIASI SINAR GAMMA

DIANA SOFIA HANAFIAH , MARIATI

2020
Paten nasional

METODE UNTUK MENETAPKAN LETHAL DOSES 50 PADA ROSELLA VARIETAS ROSELLINDO 2 MELALUI IRADIASI SINAR GAMMA

DIANA SOFIA HANAFIAH