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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

Tulisan ilmiah

Seleksi individu M3 berdasarkan karakter umur genjah dan produksi tinggi pada tanaman kedelai (Glycine max L. Merrill)

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

EFEK KONSENTRASI HORMON GIBERELIN (GA3) DAN LAMA PERENDAMAN PADA BERBAGAI PEMBELAHAN TERHADAP PERKECAMBAHAN BENIH MANGG...

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

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

DIANA SOFIA HANAFIAH

2018

Prosiding seminar internasional

The soil sulphate effect and maize plant (Zea mays L.) growth of sulphate reducing bacteria (SRB) inoculation in acid sulfate soils with the different soil water condition

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Identifikasi Karakter Morfologis Durian (*Durio Zibethinus* Murr) di Kecamatan Tigalingga dan Pegagan Hilir Kabupaten Dairi Sumatera Utara

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Respon Terbentuknya Tunas Mikro Pada Tanaman Karet (*Hevea brasiliensis* Muell. Arg) Akibat Lama Penyinaran dan GA3

DIANA SOFIA HANAFIAH

2026

Jurnal internasional bereputasi

Assessment of Gene Action for Agronomy Characters in Segregating Generation of Soybean [*Glycine max* (L.) Merr.]

DIANA SOFIA HANAFIAH

2020

Jurnal nasional

KARAKTERISASI MORFOLOGIS DAN HUBUNGAN KEKERABATAN TANAMAN NANAS (*ananas comosus* (L.) MERR.) DI KABUPATEN KAMPAR DAN SIAK PROVINSI RIAU: MORPHOLOGICAL CHARACTERIZATION AND

DIANA SOFIA HANAFIAH

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

DIANA SOFIA HANAFIAH

2014

Jurnal nasional

Kajian Awal: Respon Eksplan Nodus dalam Inisiasi Tunas Mikro Tanaman Karet (*Hevea brasiliensis* Muell. Arg.) dalam Medium WPM

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2019

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

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 Palm

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Seleksi Tingkat Tahan Penyakit Busuk Pangkal Batang *Athelia rolfsii* (Curzi) Beberapa Galur Kedelai (*Glycine max*L. Merrill) dan Produksi Tinggi Pada Generasi M5: Selection to

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Persilangan Genotipe-Genotipe Kedelai (*Glycine max* L. Merrill.) Hasil Seleksi pada Tanah Salin dengan Tetua Betina Varietas Grobogan

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Seleksi Tingkat Tahan Penyakit Busuk Pangkal Batang *Athelia rolfsii* (Curzi) Beberapa Galur Kedelai (*Glycine max*L. Merrill) dan Produksi Tinggi Pada Generasi M5: Selection to

DIANA SOFIA HANAFIAH

2010

Jurnal nasional terakreditasi

Mutasi induksi irradiasi sinar gamma pada varietas kedelai Argomulyo (*Glycine max*)

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 morphological

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal internasional bereputasi

Quantity differences of secondary metabolites (saponins, tannins and flavonoids) from Binahong plant extract (*Anredera cordifolia* (Ten.) Steenis) treated and untreated with

DIANA SOFIA HANAFIAH

2020

Jurnal nasional

KARAKTERISASI MORFOLOGIS DAN HUBUNGAN KEKERABATAN TANAMAN NANAS (*ananas comosus* (L.) MERR.) DI KABUPATEN KAMPAR DAN SIAK PROVINSI RIAU: MORPHOLOGICAL CHARACTERIZATION AND

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Respon GA3 Terhadap Induksi Tunas Mikro Tanaman Karet (*Hevea brasiliensis* (Muell). Arg)

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Pengaruh Kolkisin terhadap Keragaman Morfologi dan Jumlah Kromosom Tanaman Aglaonema Varietas Dud Unjamanee: Effect of colchicines on the morphological differences and the

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 and

DIANA SOFIA HANAFIAH

2026

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Tulisan ilmiah

Perbaikan karakter agronomi dan adaptasi terhadap cekaman kekeringan pada kedelai [Glycine max (L.) Merr.] melalui iradiasi sinar gamma dosis rendah (Disertasi).[Bogor (Indones

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Pendugaan Cadangan Karbon Pada Tanaman Karet (Hevea brasiliensis Muell. Arg.) Umur 10 Tahun di Perkebunan Rakyat Desa Tarean, Kecamatan Silindak, Kab...

DIANA SOFIA HANAFIAH

2026

Tulisan ilmiah

Respons Lima Populasi Eleusine indica L. Gaertn Resisten-Herbisida terhadap Glifosat dan Parakuat

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

Inventarisasi dan Identifikasi Jenis Tanaman Talas-Talasan dari Genus Colocasia dan Xanthosoma di Kabupaten Deli Serdang dan Serdang Bedagai: Inventory and identification of

DIANA SOFIA HANAFIAH

2024

Jurnal internasional bereputasi

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

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 the

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Perubahan Keragaman Morfologi Bawang Merah (*Allium ascalonicum*L.) Akibat Pemberian Kolkisin dan Iradiasi Sinar Gamma: Changes in morphological variability of shallot (*Allium*);

DIANA SOFIA HANAFIAH

2026
Jurnal internasional bereputasi

The effect of gamma rays irradiation to morphological and agronomical character of local Samosir shallot (*Allium cepa* var. *ascalonicum*)

DIANA SOFIA HANAFIAH

2020
Jurnal internasional bereputasi

Preliminary Study for identifying Rice Plant Disease Based on Thermal Images

DIANA SOFIA HANAFIAH

2018
Prosiding seminar internasional

Genetic variability and heritability on Kipas Putih soybean mutant lines using gamma rays irradiation (M3 generation)

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 morphological

DIANA SOFIA HANAFIAH

2026
Jurnal nasional

Morphological Characteristics and Phylogenetic Relationship of Several Genotypes of Coconut (*Cocos nucifera* L.) in Silau Laut District Asahan Regency

DIANA SOFIA HANAFIAH

2019
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Penampilan Fenotipik Buah Durian (*Durio zibethinus* Murr.) Di Kabupaten Dairi, Sumatera Utara

DIANA SOFIA HANAFIAH

2019
Jurnal nasional

Inventarisasi dan Identifikasi Jenis Tanaman Talas-Talasan dari Genus *Colocasia* dan *Xanthosoma* di Kabupaten Deli Serdang dan Serdang Bedagai: Inventory and identification of

DIANA SOFIA HANAFIAH

2018
Jurnal internasional bereputasi

INCREASING THE PRODUCTIVITY OF A FEW VARIETIES OF ONION (*ALLIUM ASCALONICUM* L.) WITH THE APLICATION OF AMELIORANT

DIANA SOFIA HANAFIAH

2017
Jurnal nasional

Pengaruh Kolkisin Terhadap Keragaman Fenotipe Tanaman Sri Rejeki

(*Aglaonema* sp.) var. Yellow Lipstick Secara Setek Batang: Effect of colchicines on the phenotypic variance of

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Effects of Gibberellin (GA3) Concentration and Immersion Time of Various Cuttings On The Germination of Mangosteen Seeds (*Garcinia mangostana* L) MBAHAN BENIH MANGGIS (*Garcinia*)

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Kajian Pertumbuhan Beberapa Genotipe Asam Gelugur (*Garcinia Atroviridis* Griff ex T. Anders) Pada Tahap Pembibitan: Study of Growth of Gandarusa (*Garcinia atroviridis* Griff ex T.)

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

2026

Jurnal nasional

Pengaruh Pemberian Kolkhisin Terhadap Morfologi dan Jumlah Kromosom Tanaman

DIANA SOFIA HANAFIAH

2026

Jurnal nasional terakreditasi

Pengaruh Pemberian Mva (Mikoriza Vesicular Arbuskular) Terhadap Pertumbuhan Stump Karet Klon Pb 260 (*Hevea Brasiliensis* Muell Arg.) Dan Serapan Hara Pada Berbagai Kadar Air

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Growth and Development of Some Genotype of Cassava (*Manihot esculenta* Crantz.)

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Pertumbuhan dan Perkembangan Beberapa Genotip Ubikayu (*Manihot esculenta* Crantz.)

DIANA SOFIA HANAFIAH

2021

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*)

DIANA SOFIA HANAFIAH

2015

Prosiding seminar internasional

Radiosensitivity and the influence of gamma rays irradiation on local Samosir shallots

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Pengaruh Kolkisin Terhadap Keragaman Fenotipe Tanaman Sri Rejeki

(Aglaonema sp.) var. Yellow Lipstick Secara Setek Batang

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Seleksi Individu Terpilih pada Generasi F5 Kedelai (*Glycine max* L. Merrill) Berdasarkan Karakter Produksi Tinggi: Individual Selection on F5 Soybean Generation (*Glycine max* L. Merrill);

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

Parameter Genetik Generasi F4 Persilangan Kedelai Detam-2 Dan Groboga

DIANA SOFIA HANAFIAH

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

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2019

Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Kuantifikasi Biomassa Perkebunan Kelapa Sawit Di Langkat, Sumatera Utara

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2021

Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2025

Jurnal nasional terakreditasi

Morfologi dan Produktivitas Kacang Hijau (*Vigna radiata* L.) pada Cekaman Kekeringan dengan Aplikasi Silika

YAYA HASANAH , DIANA SOFIA HANAFIAH , MUSLIADI

2019

Jurnal nasional

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

2019

Jurnal nasional

Karakter Komponen Hasil Dan Parameter Genetik Pada Generasi M3 Rosella (Hibiscus sabdariffa L.): Character Components of Result and Genetic Parameters on Generation M3 Roselle

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Kajian Pertumbuhan Beberapa Genotipe Asam Gelugur (Garcinia atroviridis Griff ex T. Anders) Pada Tahap Pembibitan: Study of Growth of Gandarusa (Garcinia atroviridis Griff ex T.)

DIANA SOFIA HANAFIAH

2020

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional terakreditasi

Chromosome status and yield characteristics of soybean (Glycine max L. (Merr)) in saline soil as affected by induced mutation

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Keragaan Fenotipe Berdasarkan Karakter Agronomi Pada Generasi F2 Beberapa Varietas Kedelai (Glycine max L. Merril.): The Phenotypic Diversity Based on Agronomic Character of

DIANA SOFIA HANAFIAH

2017

Jurnal internasional bereputasi

Quantity differences of secondary metabolites (saponins, tannins and flavonoids) from Binahong plant extract (Anredera cordifolia (Ten.) Steenis) treated and untreated with

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Karakter Morfologis dan Hubungan Kekerabatan Beberapa Genotipe Kelapa (Cocos nucifera L.) di Kecamatan Silau Laut Kabupaten Asahan

DIANA SOFIA HANAFIAH

2026

Jurnal nasional terakreditasi

THE EFFECT OF REDUCED IMPACT LOGGING TO RESIDUAL STAND DAMAGE IN THE TROPICAL NATURAL FOREST (A Case Study in Forest Concession Areas of PT. Suka Jaya Makmur, West Kalimantan)

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Response and Heritability of Oil Palm Type of Seedling K++ and K

KCl Fertilizer Application in Pre Nursery

DIANA SOFIA HANAFIAH

2012

Tulisan ilmiah

Perbaikan karakter agronomi dan adaptasi terhadap cekaman kekeringan pada kedelai [*Glycine max (L.) Merr.*] melalui iradiasi sinar gamma dosis rendah (Disertasi). [Bogor (Indonesia) & #8230;

DIANA SOFIA HANAFIAH

2017

Prosiding seminar internasional

Variation of morphological characters on m2 generation of roselle (*Hibiscus Sabdariffa L*) induced by gamma irradiation

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Seleksi Individu M3 Berdasarkan Karakter Umur Genjah dan Produksi Tinggi pada Tanaman Kedelai (*GlycinemaxL. Merrill*) Individual Selection of M3 based on the character of time early ripening and high production soybean plant (*Glycine max L. Merrill*)

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Pengamatan Parameter Genetik Pada Generasi M3 Tanaman Kedelai (*Glycine max L.(Merrill.)*) Berdasarkan Tingkat Kehijauan Daun Dan Produksi Tinggi: Observation of the genetic & #8230;

DIANA SOFIA HANAFIAH

2021

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*)

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

KERAGAAN GENERASI KETIGA (M3) KEDELAI HASIL IRADIASI SINAR GAMMA PADA KONDISI OPTIMUM DAN KONDISI CEKAMAN KEKERINGAN

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Response to The Growth And Production of Two lowland Maize Varieties (*Zea mays L.*) to Organic Fertilizer

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

2018

Jurnal nasional terakreditasi

Distribution mapping of glyphosate-resistant *Eleusine indica* in Serdang Bedagai Regency

DIANA SOFIA HANAFIAH

2024

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Pertumbuhan Dan Kandungan N, p, k Bibit Kelapa Sawit (*Elaeis Guineensis* Jacq.) Pada Media Tanam Limbah Pabrik Kelapa Sawit Di Main Nursery

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Perubahan Keragaman Morfologi Bawang Merah (*Allium ascalonicum*L.) Akibat Pemberian Kolkisin dan Iradiasi Sinar Gamma: Changes in morphological variability of shallot (*Allium* …

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Effects of Gibberellin (GA3) Concentration and Immersion Time of Various Cuttings On The Germination of Mangosteen Seeds (*Garcinia mangostana* L) MBAHAN BENIH MANGGIS (*Garcinia* …

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Effects of Gibberellin (GA3) Concentration and Immersion Time of Various Cuttings On The Germination of Mangosteen Seeds (*Garcinia mangostana* L) MBAHAN BENIH MANGGIS (*Garcinia* …

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Inventory and identification of species taro’s from genus *Colocasia* and *Xanthosoma* in Deli Serdang and Serdang Bedagai regency

DIANA SOFIA HANAFIAH

2026

Jurnal internasional bereputasi

Stress Susceptibility Index and Heritability of Tomato Varieties to Aluminum Treatment with Nutrient Culture Media

DIANA SOFIA HANAFIAH

2026

Jurnal internasional bereputasi

Increasing the productivity of a few varieties of onion (*Allium ascalonicum* L.) with the application of ameliorant

DIANA SOFIA HANAFIAH

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

DIANA SOFIA HANAFIAH

2026

Prosiding seminar internasional

Germination and seedling growth of Kipas Putih soybean (*Glycine max*[L.]

Merril) in various dosage of gamma rays irradiation

DIANA SOFIA HANAFIAH

2024

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2019

Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2007

Jurnal nasional terakreditasi

THE EFFECT OF REDUCED IMPACT LOGGING TO RESIDUAL STAND DAMAGE IN THE TROPICAL NATURAL FOREST (A Case Study in Forest Concession Area...

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Eksplorasi dan Karakterisasi Morfologis Durian (Durio zibethinus Murr) di Kecamatan Tigalingga Kabupaten Dairi Sumatera Utara

DIANA SOFIA HANAFIAH

2023

Jurnal nasional terakreditasi

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

MUHDI , DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Pendugaan Cadangan Karbon Tumbuhan Bawah pada Kemiringan Lahan yang Berbeda di Hutan Pendidikan Universitas Sumatera Utara Kabupaten Karo

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Seleksi Individu Berdasarkan Karakter Umur Genjah dan Produksi Tinggi Persilangan Kedelai (Glycine Max L. Merr.) pada Generasi F3

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2020
Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2019
Prosiding seminar internasional

Database of *Eleusine indica* from NCBI

DIANA SOFIA HANAFIAH

2016
Jurnal nasional

Keragaan Fenotipe Berdasarkan Karakter Agronomi Pada Generasi F2 Beberapa Varietas Kedelai (*Glycine max* L. Merrill.): The Phenotypic Diversity Based on Agronomic Character of

DIANA SOFIA HANAFIAH

2019
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

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)

DIANA SOFIA HANAFIAH

2020
Jurnal internasional bereputasi

Resistance level of several soybean lines of m⁶ generation to stem rot disease *athelia rolfsii*

DIANA SOFIA HANAFIAH

2015
Jurnal internasional bereputasi

Effect of soil acidity on some soybean varieties.

DIANA SOFIA HANAFIAH

2026
Jurnal nasional

Karakter Morfologis dan Hubungan Kekerbatan Beberapa Genotipe Kelapa (*Cocos nucifera* L.) di Kecamatan Silau Laut Kabupaten Asahan: Morphological Characteristics and

DIANA SOFIA HANAFIAH

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.

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Pertumbuhan dan Perkembangan Beberapa Genotip Ubikayu (*Manihot esculenta* Crantz.): Growth and Development of Some Genotype of Cassava (*Manihot esculenta* Crantz.)

DIANA SOFIA HANAFIAH

2017
Jurnal internasional

Effect of Gamma Rays Irradiation on M1 Generation of Roselle (*Hibiscus sabdariffa* L.)

DIANA SOFIA HANAFIAH

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

DIANA SOFIA HANAFIAH

2012

Jurnal nasional terakreditasi

Penggunaan Mikro Irradiasi Sinar Gamma untuk Meningkatkan Keragaman Genetik pada Varietas Kedelai Argomulyo [*Glycine max* (L) Merr]

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Kajian Pertumbuhan Beberapa Genotipe Asam Gelugur (*Garcinia atroviridis* Griff ex T. Anders) Pada Tahap Pembibitan: Study of Growth of Gandarusa (*Garcinia atroviridis* Griff ex T. Anders)

DIANA SOFIA HANAFIAH

2018

Prosiding seminar internasional

Selection individual on mutant genotype of soybean (*Glycine max* L. Merrill) in M₅ generation based on resistance of stem rot disease *Athelia rolfsii* (Curzi)

DIANA SOFIA HANAFIAH

2026

Prosiding seminar internasional

Oryzalin delays germination and induces putative polyploidy plants in local North Sumatra garlic (*Allium sativum* L.)

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Keragaan Fenotipe Berdasarkan Karakter Agronomi Pada Generasi F₂ Beberapa Varietas Kedelai (*Glycine max* L. Merrill.)

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Karakter Komponen Hasil Dan Parameter Genetik Pada Generasi M₃ Rosella

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Pengaruh Pemberian Mva (Mikoriza Vesicular Arbuskular) Terhadap Pertumbuhan Stump Karet Klone Pb 260 (*Hevea brasiliensis* Muell Arg.) Dan Serapan Hara Pada Berbagai Kadar Air Tanah

DIANA SOFIA HANAFIAH

2018

Jurnal internasional bereputasi

The phenotypic appearance of Japanese persimmon (*Diospyros kaki* L.f.) in Karo district, North Sumatra, Indonesia

DIANA SOFIA HANAFIAH

2016

Jurnal internasional bereputasi

Gamma Irradiation Induced Chlorophyll and Morphological Mutation in Kipas Putih Soybean

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

The Parameter Genetic of the generation crossed F4 Soybean Detam-2 and Grobogan

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Pengamatan Parameter Genetik Pada Generasi M3 Tanaman Kedelai (Glycine max L.(Merrill)) Berdasarkan Tingkat Kehijauan Daun Dan Produksi Tinggi

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Pengamatan Parameter Genetik Pada Generasi M3 Tanaman Kedelai (Glycine max L.(Merrill.)) Berdasarkan Tingkat Kehijauan Daun Dan Produksi Tinggi: Observation of the genetic

DIANA SOFIA HANAFIAH

2020

Tulisan ilmiah

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

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 the

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Ef ektifita s Pemberian Be berapa Jenis Mikoriza Terhadap O smoregulasitanaman Karet (Hevea Brasiliensis Muell. Arg) Pada Lahan Dengan Cekaman Kekeringan Yang Telah Diberi

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Pengaruh Kolkisin Terhadap Keragaman Fenotipe Tanaman Sri Rejeki (Aglaonema sp.) var. Yellow Lipstick Secara Setek Batang: Effect of colchicines on the phenotypic variance of

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

PENGARUH PEMBERIAN MVA (MIKORIZA VESICULAR ARBUSKULAR) TERHADAP PERTUMBUHAN STUMP KARET KLON PB 260 (Hevea Brasiliensis Muell Ar...

DIANA SOFIA HANAFIAH

2018

Jurnal nasional terakreditasi

Sebaran Populasi dan Klasifikasi Resistensi Eleusine indica terhadap Glifosat pada Perkebunan Kelapa Sawit di Kabupaten Deli Serdang

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2016
Jurnal nasional

PENDUGAAN CADANGAN KARBON PADA TANAMAN KARET (*Hevea brasiliensis* Muell. Arg.) DI PERKEBUNAN RAKYAT DESA TAREAN KECAMATAN SILINDAK, KABUPATEN SERDANG BEDAGAI

DIANA SOFIA HANAFIAH

2015
Jurnal nasional

Respon morfologi tanaman kedelai (*Glycine max* (L.) Merrill) varietas anjasmoro terhadap beberapa iradiasi sinar gamma

DIANA SOFIA HANAFIAH

2015
Jurnal nasional

Pengaruh Pemberian Mva (Mikoriza Vesicular Arbuskular) Terhadap Pertumbuhan Stump Karet Klon Pb 260 (*Hevea Brasiliensis* Muell Arg.) Dan Serapan Hara Pada Berbagai Kadar Air

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Resistensi *Eleusine indica* terhadap Glifosat pada Perkebunan Kelapa Sawit di Kabupaten Batu Bara

DIANA SOFIA HANAFIAH

2026
Jurnal nasional

Pengaruh Kolkisin Terhadap Keragaman Fenotipe Tanaman Sri Rejeki (*Aglaonema* sp.) var. Yellow Lipstick Secara Setek Batang: Effect of colchicines on the phenotypic variance of

DIANA SOFIA HANAFIAH

2021
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026
Jurnal nasional

Ef ektifitas Pemberian Be berapa Jenis Mikoriza Terhadap O smoregulasitanaman Karet (*Hevea Brasiliensis* Muell. Arg) Pada Lahan Dengan Cekaman Kekeringan Yang Telah Diberi

DIANA SOFIA HANAFIAH

2021
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2012
Tulisan ilmiah

Perbaikan karakter agronomi dan adaptasi terhadap cekaman kekeringan pada kedelai [*Glycine max* (L.) Merr.] melalui iradiasi sinar gamma dosis rendah (Disertasi).[Bogor (Indones

DIANA SOFIA HANAFIAH

2018
Jurnal nasional

Pengamatan Parameter Genetik Pada Generasi M3 Tanaman Kedelai (*Glycine max* L.(Merrill.)) Berdasarkan Tingkat Kehijauan Daun Dan Produksi Tinggi: Observation of the genetic

DIANA SOFIA HANAFIAH

2025

Jurnal internasional bereputasi

MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF LOCAL CHILI ACCESSIONS IN NORTH SUMATRA, INDONESIA

YAYA HASANAH , NINI RAHMAWATI , TAVI SUPRIANA , DIANA SOFIA HANAFIAH

2020

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Seleksi Tingkat Tahan Penyakit Busuk Pangkal Batang *Athelia rolfsii* (Curzi) Beberapa Galur Kedelai (*Glycine max*L. Merrill) dan Produksi Tinggi Pada Generasi M5: Selection to

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Respon morfologis dan fisiologis beberapa varietas kedelai (*Glycine max* L. Merrill) di tanah masam

DIANA SOFIA HANAFIAH

2018

Prosiding seminar internasional

Determination quercetin content, antioxidant and antimicrobial activity of genotype mutant Samosir shallots irradiated by gamma rays

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Pengamatan Parameter Genetik pada Generasi M3 Tanaman Kedelai (*Glycine max* L.(Merrill) Berdasarkan Tingkat Kehijauan Daun dan Produksi Tinggi

DIANA SOFIA HANAFIAH

2018

Tulisan ilmiah

Perbaikan Karakter Agronomi pada Kedelai Kipas Putih Melalui Iradiasi Sinar Gamma

DIANA SOFIA HANAFIAH

2024

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Effect of colchicines on the morphological differences and the number of chromosomes of *Aglaonema* hybrid var. Dud Unjamane

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Karakter Morfologis dan Hubungan Kekerbatan Beberapa Genotipe Kelapa (*Cocos nucifera* L.) di Kecamatan Silau Laut Kabupaten Asahan:

Morphological Characteristics and

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 nasional

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 Palm

DIANA SOFIA HANAFIAH

2024

Jurnal internasional bereputasi

The Evaluation of Production, Chlorophyll Content and Number of Flower of Samosir Local Shallots through Application of Gibberellin and Boron in the Highlands

JUPRI SIMAMORA , DIANA SOFIA HANAFIAH , YAYA HASANAH

2020

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Seleksi Individu Berdasarkan Karakter Umur Genjah dan Produksi Tinggi Persilangan Kedelai (*Glycine Max* L. Merr.) pada Generasi F₃: Individual Selection Based on the Character

DIANA SOFIA HANAFIAH

2012

Tulisan ilmiah

Perbaikan karakter agronomi dan adaptasi terhadap cekaman kekeringan pada kedelai [*Glycine max* (l.) Merr.] melalui iradiasi sinar gamma dosis rendah

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Inventarisasi dan Identifikasi Jenis Tanaman Talas-Talasan dari Genus *Colocasia* dan *Xanthosoma* di Kabupaten Deli Serdang dan Serdang Bedagai: Inventory and identification of

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Seleksi Individu Berdasarkan Karakter Umur Genjah dan Produksi Tinggi Persilangan Kedelai (*Glycine Max* L. Merr.) pada Generasi F₃: Individual Selection Based on the Character

DIANA SOFIA HANAFIAH

2019

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 L.)

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal internasional bereputasi

Improvement of morphology, biochemical characters, and molecular changes of local upland rice cv. Sidikalang M3 generation through induction of gamma-ray

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Respons Lima Populasi Eleusine indica L. Gaertn Resisten-Herbisida Terhadap Glifosat dan Parakuat

DIANA SOFIA HANAFIAH

2020

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional terakreditasi

Population distribution and resistance classification of Eleusine indica to glyphosate on oil palm plantations in Deli Serdang Regency

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Efektifitas Pemberian Beberapa Jenis Mikoriza Terhadap Osmoregulasi Tanaman Karet (Hevea Brasiliensis Muell. Arg) Pada Lahan Dengan Cekaman Kekeringan Yang Telah Diberikan

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

PERTUMBUHAN DAN KANDUNGAN N, P, K BIBIT KELAPA SAWIT (Elaeis guineensis Jacq.) PADA MEDIA TANAM LIMBAH PABRIK KELAPA SAWIT DI MAIN NU...

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Seleksi Individu M3 Berdasarkan Karakter Umur Genjah dan Produksi Tinggi pada Tanaman Kedelai (Glycine max L. Merrill) Individual Selection of M3 based on the character of time

DIANA SOFIA HANAFIAH

2026

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Karakter Komponen Hasil Dan Parameter Genetik Pada Generasi M3 Rosella (Hibiscus sabdariffa L.): Character Components of Result and Genetic Parameters on Generation M3 Roselle

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Pertumbuhan Dan Produksi Dua Varietas Kedelai Pada Cekaman Kekeringan

DIANA SOFIA HANAFIAH

2019

Jurnal nasional terakreditasi

Struktur dan Komposisi Jenis Tegakan Semai dan Pancang di Hutan Alam Akibat Pemanenan Kayu dengan Teknik Reduced Impact Timber Harvesting

DIANA SOFIA HANAFIAH

2010

Jurnal nasional terakreditasi

Studi radiosensitivitas kedelai [Glycine Max (L) Merr] varietas argomulyo melalui irradiasi sinar gamma

DIANA SOFIA HANAFIAH

2026

Jurnal nasional terakreditasi

Population distribution and resistance classification of Eleusine indica to Glyphosate on oil palm plantations in Deli Serdang District

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

Karakter Komponen Hasil Dan Parameter Genetik Pada Generasi M3 Rosella (Hibiscus sabdariffa L.): Character Components of Result and Genetic Parameters on Generation M3 Roselle

DIANA SOFIA HANAFIAH

2019

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 lowlands

DIANA SOFIA HANAFIAH

2021

Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Pengaruh Kolkisin terhadap Keragaman Morfologi dan Jumlah Kromosom Tanaman Aglaonema Varietas Dud Unjamanee

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Keragaan Fenotipe Berdasarkan Karakter Agronomi Pada Generasi F2 Beberapa Varietas Kedelai (Glycine max L. Merrill.): The Phenotypic Diversity Based on Agronomic Character of

DIANA SOFIA HANAFIAH

2020

Jurnal internasional bereputasi

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

2016

Jurnal nasional

Pendugaan cadangan karbon pada tanaman karet (*Hevea brasiliensis* Muell. Arg.) umur 10 tahun di perkebunan rakyat Desa Tarean, Kecamatan Silindak, Kabupaten Serdang Bedagai

DIANA SOFIA HANAFIAH

2019

Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2019

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

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Respon Terbentuknya Tunas Mikro Pada Tanaman Karet (*Hevea brasiliensis* Muell. Arg) Akibat Lama Penyinaran dan GA3: Effect of photoperiode and GA3 for micro shooting induction

DIANA SOFIA HANAFIAH

2026

Prosiding seminar internasional

The phenotype of the three-way cross soybean (*Glycine max* [L.] merrill) results

DIANA SOFIA HANAFIAH

2018

Jurnal nasional

Perubahan Keragaman Morfologi Bawang Merah (*Allium ascalonicum*L.) Akibat Pemberian Kolkisin dan Iradiasi Sinar Gamma

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

PENGARUH PEMBERIAN MVA (MIKORIZA VESICULAR ARBUSKULAR) TERHADAP PERTUMBUHAN STUMP KARET KLON PB 260 (*Hevea Brasiliensis* Muell Arg.) DAN SERAPAN HARA PADA BERBAGAI KADAR AIR TANAH DI RUMAH KASA

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Respon Terbentuknya Tunas Mikro Pada Tanaman Karet (*Hevea brasiliensis* Muell. Arg) Akibat Lama Penyinaran dan GA3: Effect of photoperiode and GA3 for micro shooting induction

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

Seleksi Individu Terpilih pada Generasi F5 Kedelai (*Glycine max* L. Merrill) Berdasarkan Karakter Produksi Tinggi: Individual Selection on F5 Soybean Generation (*Glycine max* L.)

DIANA SOFIA HANAFIAH

2016

Jurnal internasional bereputasi

Assesment of Gene Action for Agronomy Characters in Segregating Generation of Soybean [*Glycine max* (L.) Merr.]

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Respon Terbentuknya Tunas Mikro Pada Tanaman Karet (*Hevea brasiliensis* Muell. Arg) Akibat Lama Penyinaran dan GA3: Effect of photoperiode and GA3 for micro shooting induction

DIANA SOFIA HANAFIAH

2018

Jurnal internasional bereputasi

Phylogenetic analysis of salt resistant F4 progeny of soybean (*Glycine max* (L.) merril) with using ssr (simple sequence repeats) marker

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Changes in morphological variability of shallot (*Allium ascalonicum* L.) due to colchicine and gamma irradiation

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Identifikasi Karakter Morfologis Durian (*Durio Zibethinus* Murr) di Kecamatan Tigalingga dan Pegagan Hilir Kabupaten Dairi Sumatera Utara: Identification of morphological

DIANA SOFIA HANAFIAH

2021

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2018

Jurnal nasional terakreditasi

Pengamatan Parameter Genetik Pada Generasi M3 Tanaman Kedelai (*Glycine max* L.(Merrill.)) Berdasarkan Tingkat Kehijauan Daun Dan Produksi Tinggi

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

PENDUGAAN CADANGAN KARBON TUMBUHAN BAWAH PADA KEMIRINGAN LAHAN YANG BERBEDA DI HUTAN PENDIDIKAN UNIVERSITAS SUMATERA UT...

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Seleksi Individu M3 Berdasarkan Karakter Umur Genjah dan Produksi Tinggi

pada Tanaman Kedelai (GlycinemaxL. Merrill) Individual Selection of M3 based on the character of time

DIANA SOFIA HANAFIAH

2010

Jurnal nasional terakreditasi

Induced mutations by gamma ray irradiation to Argomulyo soybean (Glycine max) variety

DIANA SOFIA HANAFIAH

2018

Jurnal internasional bereputasi

The phenotypic appearance of Japanese persimmon (Diospyros kaki Lf) in Karo District, North Sumatra, Indonesia

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Efek konsentrasi hormon giberelin (GA3) dan lama perendaman pada berbagai pembelahan terhadap perkecambahan benih manggis (Garcinia mangostana L)

DIANA SOFIA HANAFIAH

2026

Jurnal internasional bereputasi

Effects of 3% Mobe (Artocarpus lakoocha) leaf extract gel on the post-extraction socket: In-vivo study

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2019

Jurnal internasional bereputasi

Glyphosate resistance of Eleusine indica populations from North Sumatra, Indonesia

DIANA SOFIA HANAFIAH

2026

Hasil penelitian/pemikiran yang tidak dipublikasikan

Pengaruh pemberian kolkisin terhadap keragaman morfologi tanaman marigold (Tagetes erecta L.)

DIANA SOFIA HANAFIAH

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

2026

Jurnal nasional terakreditasi

Trikoesoemaningtyas., S. Yahya dan D. Wirnas. 2010. Penggunaan Mikro Iradiasi Sinar Gamma untuk Meningkatkan Keragaman Genetik pada Varietas Kedelai Argomulyo (Glycine max L. Merr)

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

Selection to Stem Rot Disease Athelia rolfsii (Curzi) Resistant Level of Some Soybean (Glycine max L. Merrill) Line and High Production on M5

Generation

DIANA SOFIA HANAFIAH

2018

Jurnal internasional bereputasi

A study of hydroponic melon cultivations with several substrate media and varieties

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2026

Jurnal nasional

KARAKTERISASI MORFOLOGIS DAN HUBUNGAN KEKERABATAN TANAMAN NANAS (*ananas comosus* (L.) MERR.) DI KABUPATEN KAMPAR DAN SIAK PROVINSI RIAU: MORPHOLOGICAL CHARACTERIZATION AND

DIANA SOFIA HANAFIAH

2020

Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2012

Jurnal internasional

Gamma radiation induced mutations in mungbean.

DIANA SOFIA HANAFIAH

2010

Jurnal nasional terakreditasi

Agronomic Improvement of Argomulyo Soybean Variety [*Glycine max* (L) merr] through Induced Mutation by Gamma Irradiation in M1 and M2 Generation

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

PENDUGAAN CADANGAN KARBON PADA TANAMAN KARET (*Hevea brasiliensis* Muell. Arg.) DI PERKEBUNAN RAKYAT DESA TAREAN KECAMATAN SILINDA...

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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

DIANA SOFIA HANAFIAH

2019

Jurnal nasional

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 Palm

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Seleksi Individu Berdasarkan Karakter Umur Genjah dan Produksi Tinggi Persilangan Kedelai (*Glycine Max* L. Merr.) pada Generasi F3: Individual Selection Based on the Character

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Seleksi Individu M3 Berdasarkan Karakter Umur Genjah dan Produksi Tinggi pada Tanaman Kedelai (GlycinemaxL. Merrill) Individual Selection of M3 based on the...

DIANA SOFIA HANAFIAH

2015

Jurnal nasional

Uji F1 dari persilangan genotip antara beberapa varietas kedelai (Glycine max L. Merrill) terhadap tetua masing-masing

DIANA SOFIA HANAFIAH

2019

Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2026

Tulisan ilmiah

Study on Wet Weight and Carbon Content in Agroforestry of Rubber Crops (Hevea Brasiliensis Muell. Arg), North Sumatera, Indonesia

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

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Kajian Pertumbuhan Beberapa Genotipe Asam Gelugur (Garcinia Atroviridis Griff ex T. Anders) Pada Tahap Pembibitan

DIANA SOFIA HANAFIAH

2017

Jurnal nasional

Keragaman Morfologi dan Genotipe Tanaman Rosella (Hibiscus sabdariffa L.) Generasi M2 Hasil Iradiasi Sinar Gamma

DIANA SOFIA HANAFIAH

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

DIANA SOFIA HANAFIAH

2016

Jurnal nasional

Seleksi Individu M3 Berdasarkan Karakter Umur Genjah dan Produksi Tinggi pada Tanaman Kedelai (GlycinemaxL. Merrill) Individual Selection of M3 based on the character of time

DIANA SOFIA HANAFIAH

2019

Jurnal internasional bereputasi

Agronomic characteristic, genetic variability and heritability of mutant samosir shallot m¹ v² generation irradiated by gamma rays

DIANA SOFIA HANAFIAH

2019
Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2019
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2018
Prosiding seminar internasional

Selection individual on mutant genotype of soybean (*Glycine max*l. merrill) in m5 generation based on resistance of stem rot disease *Athelia rolfsii* (curzi)

DIANA SOFIA HANAFIAH

2021
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

2023
Jurnal internasional bereputasi

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

DIANA SOFIA HANAFIAH

2011
Jurnal nasional terakreditasi

Mutasi induksi irradiasi sinar gamma pada varietas kedelai Argomulyyo (*Glycine max*)

DIANA SOFIA HANAFIAH

2026
Tulisan ilmiah

Diversity and Phylogenetic Relationship of Durian (*Durio zibethinus* Murr.) in Dairi Regency North Sumatra Based on Morphological Character

DIANA SOFIA HANAFIAH

2026
Prosiding seminar internasional

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

DIANA SOFIA HANAFIAH

Researches

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

DIANA SOFIA HANAFIAH , HARYATI , CHAIRANI HANUM L

PENGARUH GEL EKSTRAK DAUN BINAHONG (*ANREDERA CORDIFOLIA* (TEN.) STEENIS) 3% TERHADAP PROLIFERASI SEL FIBROBLAS DAN OSTEOBLAS SERTA EKSPRESI BMP-2 DAN ALP PADA LUKA SOKET PASCA PENCABUTAN GIGI TIKUS WISTAR (*RATTUS NORVEGICUS*)

GOSTRY ALDICA DOHUDE , OLIVIA AVRIYANTI HANAFIAH , DIANA SOFIA HANAFIAH , RAHMA , LIVITA , MAHARANI SYAHNIA PUTRI , NINDHA SITI MOUDY , NURUL IZZATUNNA JHIRA HARAHAP

2021
Penelitian Dana Lokal Perguruan Tinggi

PENGARUH PACLOBUTRAZOL TERHADAP INDUKSI UMBI MIKRO KENTANG (Solanum tuberosum L) PADA BERBAGAI SUHU INKUBASI

DIANA SOFIA HANAFIAH , REVANDY I M DAMANIK

2018
Ipteks Bagi Wilayah

penelitian topik khusus

DIANA SOFIA HANAFIAH , MARTHA ADIWATY SIHALOHO

2020

Pengaruh Gel Ekstrak Daun Binahong 3% Pada Proses Penyembuhan Luka Pasca Pencabutan Gigi

RAHMI SYAFLIDA , OLIVIA AVRIYANTI HANAFIAH , DIANA SOFIA HANAFIAH

Community Services

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

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

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Hak cipta nasional

Pemuliaan Cekaman Kekeringan pada Kedelai

DIANA SOFIA HANAFIAH

2026
Paten nasional

GEL EKSTRAK ETANOL DAUN BINAHONG UNTUK PENYEMBUHAN LUKA PASCA PENCABUTAN GIGI

DIANA SOFIA HANAFIAH , OLIVIA AVRIYANTI HANAFIAH , RAHMI SYAFLIDA

2026
Paten nasional

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

DIANA SOFIA HANAFIAH