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Arida Susilowati, born in Pekalongan on January 13, 1980, is the third of six children. She began her higher education by obtaining a Bachelor of Forestry (S.Hut) degree in 2003 after completing her undergraduate studies (1998-2003). In 2006, he continued his Master's studies at the Forestry Science Study Program, Faculty of Forestry, IPB, and successfully obtained a Master of Science degree (M.Si) in 2008. Her doctoral studies were taken in the period 2009-2013 at the Tropical Silviculture Study Program, Department of Silviculture, Faculty of Forestry IPB.

During her education, Arida received a number of scholarships, including an achievement scholarship from Korindo (for the undergraduate program), Postgraduate Education Scholarship (BPPS) from the Ministry of Education and Culture of the Republic of Indonesia (for the master program), and Ph.D Research Grant from SEAMEO BIOTROP (for the doctoral program).

In 2004, she began working as a lecturer and researcher at Kopertis Wilayah I North Sumatra, and since 2014 joined the Faculty of Forestry, Universitas Sumatera Utara (USU) with a main focus on forest cultivation. During her career as a lecturer, Arida has been active in various Three Pillars of Higher Education activities, which include education, research, and community service. Currently, she serves as Secretary of the Forestry Study Program, Faculty of Forestry USU (2021-2026 period).

Her areas of expertise include forest cultivation, forest genetics, tree physiology, and tree breeding. This expertise has been realized through various research works, publications, patents, books, and dissemination of research results at national and international seminars. Some of the awards that have been achieved include the Short Stay Program from Hokkaido University (2012), Satyalancana Karya Satya X from the President of the Republic of Indonesia (2019), and the USU Outstanding Lecturer award (2019).

Arida is also active in a number of scientific and professional organizations, including the Indonesian Silviculture Society (MASSI), Indonesian Arboriculture Society (MARi), Indonesian Biodiversity Society (MBI), E-DNA Society, Indonesian Plant Red List Authority (IPRLA), Indonesian Mangrove Society (IMS), and Indonesian Lecturers Association.

Publications

2026

Jurnal internasional bereputasi

Leaf Fall Disease in Rubber Plantations: Climate-Driven Pathogen Proliferation and Regional Impacts in Southeast Asia

ARIDA SUSILOWATI , Margaretta Christita

2026

Jurnal internasional bereputasi

Diversity and Morphology of Local Durian (*Durio spp.*) in the Region of KPHP IX Panyabungan, Mandailing Natal Regency, North Sumatra, Indonesia

RIDAHATI RAMBEY , ARIDA SUSILOWATI

2026

Jurnal internasional bereputasi

Exploring endophytic fungal diversity in *Dipterocarpus* species (*Dipterocarpaceae*) from Indonesian forests

ARIDA SUSILOWATI

2026

Jurnal internasional bereputasi

Reduction of Hexavalent Chromium by Stenotrophomonas and Bacillus

ARIDA SUSILOWATI , Margaretta Christita

2026

Jurnal internasional bereputasi

Verifying Identification of Raru Trees (Dipterocarpaceae) from North Sumatra Using Molecular Evidence from the Plastid trnL-trnF Sequences

ARIDA SUSILOWATI

2026

Jurnal nasional

Sifat Tanah dan Pola Curah Hujan pada Perkebunan Kayu Manis (Cinnamomum burmannii) di Mandailing Natal, Sumatera Utara: Soil Properties and Rainfall Regimes in Cinnamon (Cinnamomum burmannii) Plantations in Mandailing Natal, North Sumatra

ARIDA SUSILOWATI

2025

Prosiding seminar internasional

Identification of phosphate solubilizing fungi in the rhizosphere of three dominant plant species in the Arboretum Universitas Sumatera Utara

DENI ELFIATI , ARIDA SUSILOWATI

2025

Prosiding seminar internasional

Diversity of Macroscopic Fungi in University Arboretum

DENI ELFIATI , ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2025

Jurnal internasional bereputasi

Effects of Tapping the Styrax paralleloneurus Tree on Indole-3-Acetic Acid Production by the Endophytic Bacterium Kocuria palustris

ARIDA SUSILOWATI , ANALEKTA TIARA PERDANA , SITI HALIMAH LAREKENG , FIRDA OKTARINA , Rumella Simarmata , Yeni Khairina , Margaretta Christita

2025

Prosiding seminar internasional

Distribution and association pattern of Dipterocarpaceae in Soraya Forest Station, Aceh-Indonesia

DENI ELFIATI , ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2025

Jurnal internasional bereputasi

Stand composition and structure of Rubroshorea curtisii in a lowland Dipterocarp remnant forest of Bukit Tiban, Riau Islands, Indonesia

DENI ELFIATI , ARIDA SUSILOWATI , NELLY ANNA , HENTI HENDALASTUTI RACHMAT , FIFI GUS DWIYANTI

2025

Jurnal internasional bereputasi

Forest Type, Bark Wounding, and Tapping: Their Combined Influence on Bacteria Biota of Styrax paralleloneurus in Natural and Community Forest

DENI ELFIATI , ARIDA SUSILOWATI

2025

Jurnal nasional

Assesstment of soil organic carbon in mangrove area, Pante Bayam- Aceh

ARIDA SUSILOWATI

2025

Jurnal nasional

Assesstment of soil organic carbon in mangrove area, Pante BayamAceh

ARIDA SUSILOWATI , MEILINDA SURIANI HAREFA

2025

Jurnal internasional bereputasi

Conserving biodiversity, carbon, and community values in a fragmented

landscape

ARIDA SUSILOWATI

2025

Jurnal nasional

Macropropagation of macadamia nut (Macadamia integrifolia Maiden & Betche) through shoot cuttings

FIFI GUS DWIYANTI , HENTI HENDALASTUTI RACHMAT , ARIDA SUSILOWATI

2025

Jurnal nasional

Macropropagation of macadamia nut (Macadamia integrifolia Maiden & Betche) through shoot cuttings

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2025

Prosiding seminar internasional

Indigenous bacterial bioremediation: Chromium-reducing capabilities of native strains from Halmahera

ARIDA SUSILOWATI , Margaretta Christita

2025

Prosiding seminar internasional

Discovering the potential of endophytic bacteria isolated from Styrax paralleloneurus as IAA production

ARIDA SUSILOWATI

2025

Jurnal nasional

Pemberdayaan dan Kemandirian Desa Binaan Bagan Kuala Melalui Berbagai Inisiatif Masyarakat yang Berfokus Pada Ekowisata, Pengembangan Ecoprint, Pengelolaan Sampah, dan Pemberantasan Malaria

ARIDA SUSILOWATI

2025

Prosiding seminar internasional

Araceae diversity in Universitas Sumatera Utara’s arboretum

DENI ELFIATI , ARIDA SUSILOWATI

2025

Monograf

Monograf Potensi dan Aplikasi Batang Sorgum sebagai Bahan Baku Papan Partikel

ATMAWI DARWIS , APRI HERI ISWANTO , ARIDA SUSILOWATI , TITO SUCIPTO , LUTHFI HAKIM , HARISYAH MANURUNG , JAJANG SUTIAWAN

2025

Prosiding seminar internasional

Universitas Sumatera Utara Arboretum of Deli Serdang, North Sumatra, Indonesia: Revealing the potency

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2025

Jurnal internasional bereputasi

Morphological variation and phylogenetic position of Vatica rassak (Dipterocarpaceae) based on the trnL-trnF region

ARIDA SUSILOWATI

2025

Prosiding seminar internasional

Discovering the potential of endophytic bacteria isolated from Styrax paralleloneurus as IAA production

SITI HALIMAH LAREKENG , ARIDA SUSILOWATI

2025

Prosiding seminar internasional

Araceae diversity in Universitas Sumatera Utara's arboretum

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2024

Prosiding seminar internasional

Stand Structure and Regeneration of trees at Soraya Research Station Aceh

ARIDA SUSILOWATI , DENI ELFIATI

2024

Jurnal nasional

Pelatihan Monitoring Kesehatan Pohon: Upaya Konservasi Ruang Terbuka Hijau di Kota Pekanbaru

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2024

Jurnal nasional

Pelatihan Monitoring Kesehatan Pohon: Upaya Konservasi Ruang Terbuka Hijau di Kota Pekanbaru

PEBRIANDI , MUHAMMAD MARDHIANSYAH , ARIDA SUSILOWATI , SONIA SOMADONA , EVI SRIBUDIANI , YOSSE OKTORINI ,
EWI IRFANI , VINY VOLCHERINA DARLIS

2024

Jurnal internasional bereputasi

Ecosystem red listing and identification of Mursala Island as the first important plant area in Indonesia

HENTI HENDALASTUTI RACHMAT , ARIDA SUSILOWATI

2024

Jurnal nasional

Moraceae diversity in the Universitas Sumatera Utara’s arboretum

DENI ELFIATI , ARIDA SUSILOWATI

2024

Jurnal internasional bereputasi

Ensuring Consumer Safety: Molecular Authentication of Eurycoma longifolia Derivative Products in the Wood Science and Technology Industry

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2024

Artikel ilmiah

Density and Carbon Stock Estimation of Nypa fruticans Stand in Restoring Area Pasar Rawa, North Sumatera, Indonesia

M. TAUFIK RAHMADI , MEILINDA SURIANI HAREFA , ZULKIFLI , ARIDA SUSILOWATI

2024

Prosiding seminar internasional

Styrax sumatranus J.J.Sm endophytes fungi and its potential as phosphate solubilizing and cellulose decomposition

ARIDA SUSILOWATI , DENI ELFIATI

2024

Prosiding seminar internasional

Diversity of bivalve and gastropod species in mangrove restoration areas

ZULKIFLI , ARIDA SUSILOWATI , Meilinda S. Harefa

2024

Jurnal internasional bereputasi

Potential Use of Shorea leprosula for Rehabilitation of Degraded Tropical Production Forest Ecosystems

HENTI HENDALASTUTI RACHMAT , ARIDA SUSILOWATI

2024

Jurnal internasional bereputasi

Current biodiversity status, distribution, and prospects of seaweed in Indonesia: A systematic review

SITI HALIMAH LAREKENG , ERWIN RIYANTO ARDLI , ARIDA SUSILOWATI , MOHAMMAD BASYUNI , FIRMAN MENNE

2024

Jurnal internasional bereputasi

Genetic Structuring of the Wild *Aquilaria malaccensis* Population from Indonesia Inferred by trnL-trnF and trnH-psbA

ARIDA SUSILOWATI , ASEP HIDAYAT , HENTI HENDALASTUTI RACHMAT

2024

Jurnal internasional bereputasi

Optimizing DNA Extraction and Selecting Suitable Regions for Biodiversity Assessment: A Study on *Shorea leprosula*

FIFI GUS DWIYANTI , ISKANDAR ZULKARNAEN SIREGAR , ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2024

Jurnal internasional bereputasi

Optimizing DNA Extraction and Selecting Suitable Regions for Biodiversity Assessment: A Study on *Shorea leprosula*

HENTI HENDALASTUTI RACHMAT , ARIDA SUSILOWATI

2024

Jurnal internasional bereputasi

Qualitative Anatomical Characteristics and Fiber Quality of Tapped *Styrax sumatrana* Wood Grown in North Sumatra, Indonesia

RUDI HARTONO , ARIDA SUSILOWATI , ATMAWI DARWIS , APRI HERI ISWANTO

2024

Prosiding seminar internasional

Carbon stock estimation of *Sonneratia alba* in mangrove restoration area in Pasar Rawa, Langkat North Sumatera

ARIDA SUSILOWATI , MEILINDA SURIANI HAREFA

2024

Jurnal internasional bereputasi

Conserving dipterocarps biodiversity in remnant forests of small islands in Batam Island, Indonesia

ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2024

Jurnal nasional

Floral composition and carbon stock estimation of monospecies restoration area in Pasar Rawa, North Sumatra

ARIDA SUSILOWATI , MEILINDA SURIANI HAREFA

2024

Jurnal internasional bereputasi

Floristic Diversity of Mangrove Restoration Area: A Case Study in Pasar Rawa, North Sumatra

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2024

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Assessing phytoremediation potentials of heavy metals on selected plants species in the restoration environments of Gold Mining Area

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2024

Jurnal internasional bereputasi

Establishing permanent monitoring plots of narrow endemic and threatened plants of Indonesia: a case study on *Dipterocarpus cinereus* Slooten (*Dipterocarpaceae*)

ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2023

Prosiding seminar internasional

Woody species structure and regeneration status in Keruing (*Dipterocarpus* spp.) habitat, Tangkahan Gunung Leuser National Park

2023

Prosiding seminar internasional

Distribution and association pattern of Keruing (*Dipterocarpus* sp.) in Tangkahan, Gunung Leuser National Park

SITI HALIMAH LAREKENG , DENI ELFIATI , ARIDA SUSILOWATI

2023

Jurnal internasional bereputasi

Genetic variation and phylogenetic position of *Taxus sumatrana* (Miq.) de Laub.(Taxaceae) in Sumatra, Indonesia based on trnL-trnF region

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2023

Prosiding seminar internasional

Seed morphology and germination of pasak bumi (*Eurycoma longifolia*)

ARIDA SUSILOWATI , APRI HERI ISWANTO , TITO SUCIPTO , HENTI HENDALASTUTI RACHMAT

2023

Jurnal internasional bereputasi

Genetic variation and phylogenetic position of *Taxus sumatrana* (Miq.) de Laub. (Taxaceae) in Sumatra, Indonesia based on trnL-trnF region

ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2023

Prosiding seminar internasional

Distribution and association pattern of Keruing (*Dipterocarpus* sp.) in Tangkahan, Gunung Leuser National Park

APRI HERI ISWANTO , HENTI HENDALASTUTI RACHMAT , DENI ELFIATI , ARIDA SUSILOWATI , TITO SUCIPTO

2023

Jurnal internasional bereputasi

Characteristics of Simalambuo (*Lophopetalum* sp.) wood from Nias Island, North Sumatra Province, Indonesia

WAHYU HIDAYAT , ARIDA SUSILOWATI , APRI HERI ISWANTO , Tito Sucipto , Nam Hun Kim , Widya Fatriasari , Atmawi Darwis , SAHARMAN GEA , Muhammad Adly Rahandi Lubis , DWIVIA WAHYU AMANDA

2023

Jurnal nasional

Isolation and Identification of Cellulolytic Fungi under *Swietenia macrophylla*, *Mimusops elengi*, and *Polyalthia longifolia* stands at the Universitas Sumatera Utara Campus, Indonesia

ARIDA SUSILOWATI , DENI ELFIATI

2023

Jurnal internasional bereputasi

Floristic composition and structure of *Eurycoma longifolia* habitat in Muka Kuning Nature Tourism Park, Riau Islands, Indonesia

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2023

Jurnal internasional bereputasi

Floristic composition and carbon stock estimation under restored mangrove area in Bagan Serdang, North Sumatra, Indonesia

ARIDA SUSILOWATI , ZULKIFLI NASUTION

2023

Jurnal internasional bereputasi

Leaf morphological traits of nine major tropical trees of *Shorea* species (*Dipterocarpaceae*)

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2023

Jurnal internasional bereputasi

Implementation of 16S rRNA Gene for Fish and Shrimp Barcoding in

Mangrove Ecosystems in North Sumatra and Aceh, Indonesia

IPANNA ENGGAR SUSETYA , ARIDA SUSILOWATI , MOHAMMAD BASYUNI

2022

Prosiding seminar internasional

Analysis of income from pine resin tapping on Forest Farmers Groups in partnership with UPT KPH Region II Pematang Siantar

ARIDA SUSILOWATI , RAHMAWATY

2022

Prosiding seminar internasional

The diversity of the Polypodiaceae in University green space

TITO SUCIPTO , ARIDA SUSILOWATI , DENI ELFIATI

2022

Buku referensi

Kemenyan: Tinjauan Silvikultur dan Teknologi Hasil Hutan

JAJANG SUTIAWAN , TITO SUCIPTO , ARIDA SUSILOWATI , APRI HERI ISWANTO

2022

Prosiding seminar internasional

The diversity of the Polypodiaceae in University green space

TITO SUCIPTO , ARIDA SUSILOWATI , DENI ELFIATI

2022

Jurnal internasional bereputasi

Culturable Endophytic Fungal Assemblages from *Styrax sumatrana* and *Styrax benzoin* and Their Potential as Antifungal, Antioxidant, and Alpha-Glucosidase Inhibitory Resources

ARIDA SUSILOWATI , DENI ELFIATI

2022

Jurnal internasional bereputasi

Challenges and Strategies for Sustainable Mangrove Management in Indonesia: A Review

ARIDA SUSILOWATI

2022

Prosiding seminar internasional

Foliar stomata characteristic of fabaceae family in University of Sumatera Utara (USU) green space

ARIDA SUSILOWATI , APRI HERI ISWANTO , TITO SUCIPTO

2022

Prosiding seminar internasional

Ethnobotany in the city: Medicinal tree species in university green space

ARIDA SUSILOWATI , TITO SUCIPTO , APRI HERI ISWANTO

2022

Jurnal internasional bereputasi

Molecular identification of *Eurycoma longifolia* Jack from Sumatra, Indonesia using trnL-F region

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2021

Artikel ilmiah

Distribution and association pattern of pasak bumi (*Eurycoma longifolia*) in Batang Lubu Sutam District, Padang Lawas, North Sumatra

ARIDA SUSILOWATI

2021

Artikel ilmiah

Framework application of e-DNA metabarcoding as a variable to evaluate mangrove ecosystem

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2021
Artikel ilmiah

Particleboard from kemenyan wood and belangke bamboo: Effect of particle pre-treatment in acidic solution

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2021
Artikel ilmiah

Conservation and sustainable utilization of tropical trees from North Sumatra, Indonesia

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2021
Artikel ilmiah

Diversity of endophytic fungal species from *Styrax benzoin* found in benzoin-producing locations in North Sumatra

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2021
Artikel ilmiah

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

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2021
Artikel ilmiah

Tree biodiversity in USU green space: Exotic plant and its risk to native species

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2021
Prosiding seminar internasional

Tree biodiversity in USU green space: Exotic plant and its risk to native species

ARIDA SUSILOWATI , SITI HALIMAH LAREKENG

2021
Artikel ilmiah

Green open space analysis in West Binjai, North Sumatra

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2021
Jurnal internasional bereputasi

Generating Multifunctional Landscape through Reforestation with Native Trees in the Tropical Region: A Case Study of Gunung Dahu Research Forest, Bogor, Indonesia

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2021
Jurnal internasional bereputasi

Bioactive composition, antifungal, antioxidant, and anticancer potential of agarwood essential oil from decaying logs (*Gyrinops* spp.) of Papua Island (Indonesia)

ARIDA SUSILOWATI

2021
Jurnal nasional terakreditasi

Morphological diversity of mindi (*Melia azedarach*) from agroforestry system in North Sumatra, Indonesia

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2021
Jurnal nasional terakreditasi

DNA Barcoding of Rattan (*Arecaceae*) From Gunung Walat Education Forest, Sukabumi-West Java

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2021
Artikel ilmiah

The damage profile of kerai payung (*Filicium desipiens*) in University of Sumatera Utara green space based on Forest Health Monitoring (FHM) method

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2021
Jurnal internasional bereputasi

(1) Managing and Reforesting Degraded Post-Mining Landscape in Indonesia: A Review. Land 2021, 10, 658. <https://10.3390/land10060658>

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2021
Artikel ilmiah

Isolation of endophytic fungi from *Styrax sumatrana* tree from Humbang Hasundutan, North Sumatra

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2021
Artikel ilmiah

Ex-situ conservation effort for *Dipterocarpus* spp through the seedling collection and nursery management

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2021
Artikel ilmiah

DNA isolation and amplification of *Dryobalanops oblongifolia* DREY and *Dryobalanops lanceolata* BURCK

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2021
Artikel ilmiah

Spatial model of deforestation using Geographic Information System (GIS) and logistic regression in Besitang forest

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2021
Artikel ilmiah

Valuation of a man-made dipterocarp forest as seed source for *Shorea red meranti* (*Dipterocarpaceae*)

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2021
Artikel ilmiah

DNA isolation and amplification of raru leaf (*Cotylelobium melanoxydon* Pierre and *Cotylelobium lanceolatum* Craib)

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2021
Artikel ilmiah

Natural regeneration potential of red meranti (*Shorea leprosula* Miq.) in 20-years-old man-made hilly dipterocarp forest

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2021
Artikel ilmiah

Potential phosphate solubilizing bacteria from the rhizosphere of *Cotylelobium melanoxydon* tree

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2021
Jurnal internasional bereputasi

Vegetation and macrozoobenthos diversity in the percut sei tuan mangrove forest, north sumatra, indonesia

2020

Jurnal internasional bereputasi

Reforestation and Sustainable Management of Pinus merkusii Forest Plantation in Indonesia: A Review

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2020

Prosiding seminar internasional

Morphological identification of local raru producing trees from Sibuluan Nauli, Central Tapanuli, North Sumatera

SITI HALIMAH LAREKENG , ARIDA SUSILOWATI

2020

Jurnal nasional terakreditasi

The Study of Silviculture System for Selective Cutting and Line Planting (TPTJ) and Indonesian Selective Cutting and Planting (TPTI) Application at PT Intracawood Manufacturing

ARIDA SUSILOWATI

2020

Jurnal internasional bereputasi

Assessment of Population Genetic Diversity of cocoa (Theobroma cacao L.) using RAPD Markers: The Case of cacao Agroforestry's System in East Kolaka, Indonesia

ARIDA SUSILOWATI , YOLANDA FITRIA SYAHRI , SITI HALIMAH LAREKENG

2020

Jurnal internasional bereputasi

Ex-situ conservation and management of dipterocarps genetic resources through seedlings collections and nursery establishment

ARIDA SUSILOWATI

2019

Jurnal internasional bereputasi

Effect of Several Exterior Adhesive Types on Dimensional Stability of Bamboo Oriented Particleboard

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2018

Jurnal internasional bereputasi

Macropropagation;An important tool for conservation of North Sumatran endangered tree species, Dryobalanops aromatica

ARIDA SUSILOWATI

2017

Jurnal internasional bereputasi

Weak delineation of Styrax species growing in North Sumatra, Indonesia by matK+ rbcL gene

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Researches

2025

KARAKTERISTIK MORFOLOGI DAN RESPON PERTUMBUHAN POPULASI BIJI DAN ANAKAN KAYU MANIS (Cinnamomum burmanni (Nees & T. Nees) Blume) DI SUMATERA UTARA

ARIDA SUSILOWATI

2024

STRUKTUR GENETIK DAN SEJARAH DEMOGRAFI Shorea curtisii (DIPTEROCARPA) DI SUMATERA BERDASARKAN PENANDA DNA KLOROPLAS

FIFI GUS DWIYANTI , DENI ELFIATI , ARIDA SUSILOWATI

2024

Remnant Forest sebagai Kawasan Pelestarian Biodiversitas pada Bentang Antropogenik Sumatera Untuk Mendukung Resiliensi Ekosistem]

ARIDA SUSILOWATI , NELLY ANNA

2024

STRUKTUR GENETIK DAN SEJARAH DEMOGRAFI Shorea curtisii (DIPTEROCARPA) DI SUMATERA BERDASARKAN PENANDA DNA KLOROPLAS

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Penelitian Fundamental

Remnan Forest Sebagai Kawasan Pelestarian Biodiversitas Pada Bentang Antropogenik Sumatera Untuk Mendukung Resiliensi Ekosistem

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2022

Penelitian Unggulan Perguruan Tinggi

DNA Barcoding Untuk Lacak Balak dan Autentifi kasi Produk Turunan Pasak Bumi (Eurycoma longifolia Jack)

ARIDA SUSILOWATI , HENTI HENDALASTUTI RACHMAT

2022

Penelitian Unggulan Perguruan Tinggi

Elusidasi Senyawa Aktif Sebagai Agen Antioksidan, Antifungal dan Antidiabetes dari Fungi Endofitik Keruing (Dipterocarpus spp)

DENI ELFIATI , ARIDA SUSILOWATI , ASEP HIDAYAT

2022

Penelitian Unggulan Perguruan Tinggi

Karakterisasi dan peningkatan senyawa aktif fungi endofit kelompok kayu kemenyan (Styrax spp)

DENI ELFIATI , ARIDA SUSILOWATI

Community Services

2024

Ipteks

Penanaman Vegetasi Mangrove Dalam Upaya Pencegahan Abrasi di Pantai Mangrove Nagalawan,

ARIDA SUSILOWATI , NELLY ANNA

Intellectual Property Rights

2023

Paten nasional

FORMULASI PELET PEREDUKSI KONTAMINAN KROMIUM PADA TANAH

ARIDA SUSILOWATI , SITI HALIMAH LAREKENG

2023

Paten nasional

FORMULASI AGEN BIOKONTROL PENYAKIT BUSUK BATANG PADA TANAMAN VANILI BERBASIS JAMUR Trichoderma asperellum DAN PROSES

PEMBUATANNYA

ARIDA SUSILOWATI , SITI HALIMAH LAREKENG

2023

Paten nasional

FFORMULASI PUPUK ORGANIK BERBAHAN DASAR LIMBAH BAGLOG DARI BUDIDAYA JAMUR TIRAM

ARIDA SUSILOWATI