

Evalina Herawati

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Evalina Herawati was born in Kota Padang Sidempuan, North Sumatra, on June 27, 1977. She is of Mandailing Batak descent and is the second of five siblings. She is married to Dr. Mhd. Yadi Harahap and is blessed with two children. She pursued her higher education from undergraduate to doctoral level at IPB University. She graduated from the Faculty of Forestry with a major in Forest Product Technology in 2001 for her Bachelor's degree, followed by a Master's degree in Forestry Science in 2007, and finally, a Doctorate in Forest Product Science and Technology in 2018. Throughout her academic journey, she received scholarships from the Supersemar Foundation, the Ministry of Education and Culture's Postgraduate Education Scholarship (BPPS), and the Ministry of Research, Technology, and Higher Education's Domestic Postgraduate Education Scholarship (BPPDN).

Since 2003, Dr. Eva has been working as a lecturer in the USU Faculty of Forestry Undergraduate Program in Forestry. From 2010 to 2013, she served as an Academic Advisor under the Vice Dean 1 of the Faculty of Agriculture. From 2019 to 2021, Dr. Eva held the position of the USU Faculty of Forestry Master's Program. Since 2023, she has been the Secretary of the Undergraduate Program in Forestry. As a lecturer, she actively engages in the three pillars of higher education: education, research, and community service through various activities.

She teaches courses such as Wood Structure and Properties, Wood Mechanics, Furniture Design and Forest Product Crafts, Wood Drying and Preservation, and Wood as a Building Material. Her expertise lies in wood's fundamental properties, mechanics, and connections, which she applies through research, publications, and dissemination in national and international seminars. She received the Satyalancana Karya Satya X award from the President of Indonesia in 2023.

Apart from her contributions to education, she is actively involved in professional organizations, being a member of the Indonesian Wood Research Society. More detailed information about her can be found on the website <https://directory.usu.ac.id> or through her public profiles on Google Scholar, Scopus, WOS, ORCID, Research Gate, and Sinta. She is also present on social media platforms such as Facebook and Instagram. For personal correspondence, she can be reached via email at evalina@usu.ac.id or evalinaherawati@gmail.com.

Publications

2026

Jurnal nasional terakreditasi

Analysis of Vegetation Density and Distribution of Green Belts in the City Center of Medan Using the Normalized Difference Vegetation Index

NELLY ANNA , EVALINA HERAWATI , ANITA ZAITUNAH , SAMSURI , ALFAN GUNAWAN AHMAD , NUR HIDAYAT

2026

Prosiding seminar internasional

Properties of glued laminated beams of durian wood (*Durio zibethinus* Murr) and terap wood (*Artocarpus odoratissimus*) with the combination of tali bamboo (*Gigantochloa apus*)

NELLY ANNA , EVALINA HERAWATI , SAHIDIN SEMBIRING , DINDA HAIRANI BR BANGUN

2026

Jurnal internasional bereputasi

Population structure and composition of a tropical Island forest containing the narrow endemic and critically endangered tree *Hopea bancana* on Mursala island

NELLY ANNA , EVALINA HERAWATI , NOVITA ANGGRAINI , Iyan Robiansyah , Enggal Primananda

2025
Prosiding seminar internasional

Properties of glued laminated beams of durian wood (Durio zibethinus Murr) and terap wood (Artocarpus odoratissimus) with the combination of tali bamboo (Gigantochloa apus)

EVALINA HERAWATI

2025
Prosiding seminar internasional

Chemical Properties and Natural Durability of Jabon Wood (Neolamarckia cadamba) Planted under Agroforestry Systems

NELLY ANNA , EVALINA HERAWATI , NOVITA ANGGRAINI , DEANOVA FRESTIANA BR PELAWI , UNEDO SIMANJUNTAK

2025
Prosiding seminar internasional

Physical and mechanical properties of coconut (Cocos nucifera L.) trunk densified based on variation of pressure and trunk position

EVALINA HERAWATI

2025
Prosiding seminar internasional

Chemical Properties and Natural Durability of Jabon Wood (Neolamarckia cadamba) Planted under Agroforestry Systems

EVALINA HERAWATI

2025
Jurnal internasional bereputasi

Growth and wood physical properties of Neolamarckia cadamba under agroforestry system in a community forest in North Sumatra, Indonesia

NELLY ANNA , EVALINA HERAWATI , NOVITA ANGGRAINI , JAJANG SUTIAWAN

2025
Jurnal internasional bereputasi

Growth and wood physical properties of Neolamarckia cadamba under agroforestry system in a community forest in North Sumatra, Indonesia

EVALINA HERAWATI

2025
Jurnal internasional bereputasi

Influence of Various Adhesives on Properties of Betung Bamboo Laminated Boards

RUDI HARTONO , TITO SUCIPTO , EVALINA HERAWATI , IHAK SUMARDI , MUHAMMAD NAVIS ROFII , UNEDO LIBERTI CARLOS SIMBOLON , Jajang Sutiawan , Aprilia Kartikawati , Riska Surya Ningrum , Teguh Darmawan , TRISNA PRIADI

2025
Jurnal internasional bereputasi

Influence of Various Adhesives on Properties of Betung Bamboo Laminated Boards

EVALINA HERAWATI

2025
Jurnal internasional bereputasi

Potential of carbon micro/nanofibers derived from lignocellulose biomass valorisation for CO₂ adsorption: A review on decarbonization biotechnology for climate change solutions

EVALINA HERAWATI

2025
Jurnal internasional bereputasi

Tannin-based Polyurethane Coating for Quality Improvement of Roof Tiles Composite

MANGGAR ARUM ARISTRI , HARISYAH MANURUNG , EVALINA HERAWATI , MARWANTO , Sarah Augustina , Muhammad Adly Rahandi Lubis , Sukma Surya Kusumah , Adi Santoso , Jajang Sutiawan , Deni Zulfiana

2025
Prosiding seminar internasional

Anatomical structures and fiber quality of Jabon (Neolamarckia cadamba (Roxb.) Bosser) from agroforestry system

NELLY ANNA , EVALINA HERAWATI

2025

Prosiding seminar internasional

Anatomical structures and fiber quality of Jabon (Neolamarckia cadamba (Roxb.) Bosser) from agroforestry system

EVALINA HERAWATI

2025

Jurnal internasional bereputasi

Potential of Carbon Micro/Nanofibers Derived from Lignocellulose Biomass Valorisation for CO2 Adsorption: A Review on Decarbonization Biotechnology for Climate Change Solutions

EVALINA HERAWATI

2024

Prosiding seminar internasional

Mechanical properties of jabon (Neolamarckia cadamba (Roxb.) Bosser) wood 13 years old and its potential utilization as a structural material

EVALINA HERAWATI , NELLY ANNA

2024

Jurnal internasional bereputasi

Characterization of Indonesian Sugar Palm Bunch (Arenga longipes Mogeae) Properties for Various Utilization Purposes

RIDWANTI BATUBARA , APRI HERI ISWANTO , EVALINA HERAWATI , LUTHFI HAKIM

2023

Jurnal internasional

Mainstreaming forensic timber identification in Indonesia

EVALINA HERAWATI , ACHMAD SOLIKHIN

2022

Prosiding seminar internasional

Bolt-bearing strength parallel and perpendicular to the grain of four Indonesian hardwoods

RUDI HARTONO , EVALINA HERAWATI

2022

Jurnal internasional bereputasi

Physical, Chemical, and Mechanical Properties of Six Bamboo from Sumatera Island Indonesia and Its Potential Applications for Composite Materials

IHAK SUMARDI , RUDI HARTONO , EVALINA HERAWATI , APRI HERI ISWANTO , JAJANG SUTIAWAN , RESKI EKA SURAMANA , Yusup Amin

2022

Jurnal internasional bereputasi

The Improvement of Sumatran Elephant (Elephas maximus sumatranus) Dung Particleboard Characteristics Using Bamboo Layering

RUDI HARTONO , APRI HERI ISWANTO , EVALINA HERAWATI , JAJANG SUTIAWAN , Yusup Amin , Ihak Sumardi

2022

Jurnal internasional bereputasi

Mechanical and Physical Properties of Particleboard Made from the Sumatran Elephant (<i>Elephas maximus sumatranus</i>) Dung and Wood Shaving

APRI HERI ISWANTO , JAJANG SUTIAWAN , RUDI HARTONO , EVALINA HERAWATI , AHMAD MUBAROK DALIMUNTHE , Afonso R.G. de Azevedo

2021

Prosiding seminar internasional

Physical and mechanical properties of four wood species from community forests in Binjai Regency, North Sumatra

EVALINA HERAWATI , RUDI HARTONO

2019
Prosiding seminar internasional

Reference lateral design value of single shear connection of Merbau wood using bolt

EVALINA HERAWATI

2019
Prosiding seminar internasional

Preparation and characterization of nanocrystalline cellulose using ultrasonic assisted autohydrolysis

EVALINA HERAWATI

Researches

2025

DAMPAK EKSPLOITASI LAHAN TERHADAP KERAGAMAN JENIS TUMBUHAN PADA PLOT MONITORING PERMANEN RESAK MINYAK (Hopea bancana) DI PULAU MURSALA, SUMATERA UTARA

EVALINA HERAWATI , NOVITA ANGGRAINI , NELLY ANNA

2023
Penelitian Dana Lokal Perguruan Tinggi

Kesehatan Pohon dan Aspek Genetik Beberapa Jenis Pohon di Arboretum Universitas Sumatera Utara

EVALINA HERAWATI , ALFAN GUNAWAN AHMAD

2023

VARIASI PERTUMBUHAN DAN SIFAT-SIFAT DASAR KAYU JABON (Neolamarckia cadamba (Roxb.) Bosser) PADA SISTEM AGROFORESTRI

EVALINA HERAWATI , NELLY ANNA , FERRY PRANATA P GINTING , ZULHAJJI ASHRAFF , BGD.FAKHRUR REZA S.RITONGA

2020

Karakteristik Papan Partikel Berbahan Baku Kotoran Gajah Yang Diperkuat Dengan Bambu

EVALINA HERAWATI , RUDI HARTONO

2019

Analisis Kekuatan Sambungan Geser Ganda Menggunakan Baut Pada Beberapa Jenis Kayu

EVALINA HERAWATI , RUDI HARTONO

2017
Penelitian Disertasi Doktor

Analisis Sambungan Geser Pada Kayu Dengan Baut Tunggal Akibat Beban Uni-Aksial Tarik

EVALINA HERAWATI

Community Services

2024

Upaya Peningkatan Produksi Sampah Organik (Kompos) di Erna Eco Farm Kabupaten Langkat

AHMAD BAIQUNI RANGKUTI , EVALINA HERAWATI , NOVITA ANGGRAINI , NELLY ANNA