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Luthfi Hakim was born in Demak on October 17, 1979. He completed primary to secondary education in his hometown and continued his undergraduate studies at the Forest Products Technology Study Program, Faculty of Forestry, IPB, graduating in 2002. His master's degree was taken at the same university in the 2005-2007 period, while his doctoral degree was obtained at the Faculty of Forestry, Gadjah Mada University in 2021. Since 2003, he has been a permanent lecturer at the Universitas Sumatera Utara and has written and published in many national and international journals. Apart from being active as a journal reviewer, he previously served as Secretary of the USU Forestry Study Program and now serves as Head of the Forest Products Technology Laboratory, Faculty of Forestry, Universitas Sumatera Utara.

Publications

2026

Jurnal internasional bereputasi

Development of antibacterial food-coating by employing carboxymethyl cellulose from oil palm empty fruit bunches embedded with ginger extract

LUTHFI HAKIM , GREITTA KUSUMA DEWI , FARAH FAHMA , WAHYU RAMADHAN , Erlina Nurul Aini , Novitri Hastuti , Fitriani

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Jurnal internasional bereputasi

Synthesis and Application of Activated Charcoal from Indonesian Sugar Palm Bunches (Arenga longipes) as a Potential Absorbent for Heavy Metals

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The influence of physical activation on charcoal made from sugar palm (Arenga longipes) bunch

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MANGGAR ARUM ARISTRI , APRI HERI ISWANTO , LUTHFI HAKIM , TITO SUCIPTO , ATMAWI DARWIS , NABILA , RIKA ELFINA BR.SIMARMATA , Muhammad Adly Rahandi Lubis , Widya Fatriasari , Jajang Sutiawan , Lee Seng Hua , Petar Antov

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The influence of temperature and time activation on activated charcoal characteristic made from sugar palm bunches (Arenga longipes mogea)

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Development and characterization of novel particleboard panels manufactured

from organic waste with fiberglass reinforcement

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Possibility utilization of sugar palm trunk base (Arenga longipes Moge)

based on anatomical and chemical properties

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Characteristics of Three Bamboo Species and Their Potential as Raw Materials for Oriented Strand Board Production

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Effects of board density on the properties of hybrid particleboard from kemenyan wood and belangke bamboo

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Effect of using three bamboo species as surface layer in hybrid particleboard (HPb)

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Utilization of Plastic Waste and Sengon Sawdust for Making Composite Boards

MAHDI SANTOSO , LUTHFI HAKIM , HASTANTO BOWO WOESONO , DIDIK SURYA HADI , SUSHARDI

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Influence of Formulation and Hot-Pressing Conditions on the Performance of Bio-Based Molasses Adhesive for Plywood

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The Characteristics of Citric Acid-Bonded Composite Boards Produced from Alkaline-Modified Fibrovascular Bundle of Salacca Sumatrana Fronds

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Jurnal internasional bereputasi

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

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Effect of Vascular Tissue on Mechanical Properties of Fibrovascular Bundles of *Salacca Sumatrana* Becc. Fronds

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The effect of alkali treatment on the surface and mechanical properties of fibrovascular bundles of *Salacca sumatrana* Becc. fronds

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Contact angle of modified fibrovascular bundle of salacca (*Salacca sumatrana* Becc.) frond by NaOH+Na₂SO₃ combination

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Ex-situ conservation through selection and breeding: A Review On 15 Years *Toona sinensis* Roem. & *Toona sureni* Merr. base populations

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Performance of Citric Acid-Bonded Oriented Board from Modified Fibrovascular Bundle of *Salacca* (*Salacca zalacca* (Gaertn.) Voss) Frond

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2021

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Radial variability of fibrovascular bundle properties of salacca (*Salacca zalacca*) fronds cultivated on Turi Agrotourism in Yogyakarta, Indonesia

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2021

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Comparison of the Wood Anatomy and Fibers Derived from Indonesian *Toona sinensis* Roem. and *Toona sureni* Merr.

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2019

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Anatomical, chemical, and mechanical properties of fibrovascular bundles of *Salacca* (Snake Fruit) frond

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2012

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Salt-dependent increase in triterpenoids is reversible upon transfer to fresh water in mangrove plants *Kandelia candel* and *Bruguiera gymnorhiza*

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2012
Jurnal internasional bereputasi

Salt-dependent increase in triterpenoids is reversible upon transfer to fresh water in mangrove plan

LUTHFI HAKIM , Hirosuke Oku , MOHAMMAD BASYUNI

Researches

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Penelitian Fundamental

Karakterisasi asap cair tandan aren (Arenga longipes) dan potensinya sebagai stimulansia produktivitas pemanenan getah pinus

APRI HERI ISWANTO , MUHDI , LUTHFI HAKIM , Yunida Syafriani Lubis

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Pemanfaatan Limbah Padat Organik Untuk Pembuatan Oranic Solid Waste particleboard (OSWPb): Kajian sifat fisis-mekanis, akustik, dan anti api dari OSWPb

APRI HERI ISWANTO , TITO SUCIPTO , LUTHFI HAKIM , HARISYAH MANURUNG

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Penelitian Disertasi Doktor

Karakteristik Dasar Fibrovascular bundle Bambu Belangke (Gigantochloa pruriens)

APRI HERI ISWANTO , LUTHFI HAKIM , JOEL ELPINTA PRANATA TARIGAN

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Kerjasama Luar Negeri dan Publikasi Internasional

Peningkatan Kualitas Dan Diversifikasi Produk Biokomposit Dari Pelepah Salak

RAGIL WIDYORINI , LUTHFI HAKIM , Kenji Umemura

2023

Karakteritik Dasar Bahan Lignoselulosa Tanaman Aren(Arenga longipes) Sebagai Bahan Baku Potensial Biokompositdan Bioenergi

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Penelitian Fundamental

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