

Dr. Ir. Luthfi Hakim, S.Hut., M.Si., IPM., ASEAN Eng

Dosen Program Studi S1 Kehutanan
Fakultas Kehutanan
Universitas Sumatera Utara

✉ luthfi@usu.ac.id

📍 Kampus 2 USU Bekala, Simalingkar A, Pancur Batu, Deli Serdang, 20353, Sumatera Utara, Indonesia

☎ 081361627984

🌐 fhut.usu.ac.id/id/dosen/luthfi-hakim

Luthfi Hakim lahir di Demak pada 17 Oktober 1979. Ia menyelesaikan pendidikan dasar hingga menengah di kota kelahirannya dan melanjutkan studi S1 di Program Studi Teknologi Hasil Hutan, Fakultas Kehutanan IPB, lulus pada 2002. Studi S2 ditempuh di perguruan tinggi yang sama pada periode 2005-2007, sedangkan gelar S3 diraihnya di Fakultas Kehutanan, Universitas Gadjah Mada pada 2021. Sejak 2003, ia menjadi dosen tetap di Universitas Sumatera Utara dan telah menulis serta mempublikasikan banyak jurnal nasional dan internasional. Selain aktif sebagai reviewer jurnal, ia pernah menjabat sebagai Sekretaris Program Studi Kehutanan USU dan kini menjabat sebagai Kepala Laboratorium Teknologi Hasil Hutan, Fakultas Kehutanan, 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

2025

Jurnal internasional bereputasi

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

LUTHFI HAKIM , APRI HERI ISWANTO , HARISYAH MANURUNG , Yunida Syafriani Lubis

2025

Prosiding seminar internasional

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

LUTHFI HAKIM , JULIANA , FANI PUTRI NABILA , Yunida Syafriani Lubis , Jayusman

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Jurnal internasional bereputasi

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

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

2025

Jurnal nasional terakreditasi

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

LUTHFI HAKIM , NAUDI HAYATI SIREGAR , FANI PUTRI NABILA , ULFA ZAHARA HASIBUAN , Yunida Syafriani Lubis

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Jurnal internasional bereputasi

Development and characterization of novel particleboard panels manufactured

from organic waste with fiberglass reinforcement

TITO SUCIPTO , MANGGAR ARUM ARISTRI , APRI HERI ISWANTO , LUTHFI HAKIM , NIKEN SUBEKTI , RIO FEBRIANSYAH , YUSRIL AKMAL TANJUNG , ARYANDO NAINGGOLAN , NABILA , Jajang Sutiawan , Lee Seng Hua , Petar Antov

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Prosiding seminar internasional

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

based on anatomical and chemical properties

LUTHFI HAKIM , JULIANA , Yunida Syafriani Lubis

2025
Jurnal internasional bereputasi

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

ATMAWI DARWIS , APRI HERI ISWANTO , LUTHFI HAKIM , TITO SUCIPTO , MANGGAR ARUM ARISTRI

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Jurnal internasional bereputasi

Chemical constituents, physical, and mechanical properties of Indonesian sugar palm (Arenga longipes Moge) trunk

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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)

APRI HERI ISWANTO , LUTHFI HAKIM , TITO SUCIPTO

2024
Prosiding seminar internasional

Utilization of Plastic Waste and Sengon Sawdust for Making Composite Boards

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

2024
Jurnal internasional bereputasi

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

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2024
Jurnal internasional bereputasi

Identification of bioactive compounds and encapsulation of bee bread from Heterotrigona itama using a spray dryer with its antioxidant activity

LUTHFI HAKIM , EKA SARI , DYAH AYU SURYA WARDHANI , AGUS SALIM

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Jurnal internasional bereputasi

Identification of bioactive compounds and encapsulation of bee bread from Heterotrigona itama using a spray dryer with its antioxidant activity

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2024
Jurnal internasional bereputasi

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

WIDYANTO DWI NUGROHO , LUTHFI HAKIM , RAGIL WIDYORINI , Kenji Umemura , Tibertius Agus Prayitno

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Jurnal internasional bereputasi

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

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

2022

Jurnal internasional bereputasi

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

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2022

Jurnal internasional bereputasi

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

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2021

Prosiding seminar internasional

The Contribution of Gambir (*Uncaria gambir* roxb) Based Agroforestry System on Regional Development in Pakpak Bharat District, North Sumatra Province, Indonesia

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2021

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

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2021

Prosiding seminar internasional

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

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2021

Jurnal internasional bereputasi

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

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2021

Jurnal internasional bereputasi

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

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2021

Jurnal internasional bereputasi

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

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2019

Jurnal internasional bereputasi

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

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2012

Jurnal internasional bereputasi

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

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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

2025
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

2024
Penelitian Disertasi Doktor

Karakteristik Dasar Fibrovascular bundle Bambu Belangke (Gigantochloa pruriens)

APRI HERI ISWANTO , LUTHFI HAKIM , JOEL ELPINTA PRANATA TARIGAN

2023
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

APRI HERI ISWANTO , JAJANG SUTIAWAN , TITO SUCIPTO , LUTHFI HAKIM

2023
Penelitian Fundamental

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

APRI HERI ISWANTO , LUTHFI HAKIM

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Paten nasional

Metode Pembuatan Perekat Berbasis Nira dan Asam Sitrat

LUTHFI HAKIM