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Lukman Adlin Harahap, S.T.P., M.Si. dilahirkan di Medan pada tanggal 09 Juni 1982 merupakan seorang dosen Teknik Pertanian di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya yakni Doctor of Philosophy in Computer and Information Sciences di Chulalongkorn University, Thailand pada tahun 2021.

Publications

2026

Jurnal nasional

RANCANG BANGUN ALAT PENGIRIS TOMAT MEKANIS (Design and Construction of Mechanical Tomato Slicer)

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Jurnal nasional

RANCANG BANGUN ALAT PEMARUT KELAPA TIPE SCREW (Design of Screw Type Coconut Guider)

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2020

Jurnal internasional

Nikkei Stock Market Price Index Prediction Using Machine Learning

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Prosiding seminar internasional

Water Buffalo as a Source of Draft Power, Organic Fertilizer and Enegy Saving

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UJI JARAK ANTAR PUNCAK ULIR KEMPA PADA ALAT PENCETAK TERASI (Screw Press Thread Pitch Test of Shrimp Paste Molder)

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UJI SUHU UAP PADA ALAT PENYULING MINYAK ATSIRI CENGKEH TIPE UAP LANGSUNG (Temperature Test on Clove Oil Distillator Direct Steam Type)

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The Engineered Of Charcoal Briquette Cast Basic material From Tea Waste

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PENENTUAN NILAI EVAPOTRANSPIRASI DAN KOEFISIEN TANAMAN

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RANCANG BANGUN ALAT PENGUPAS PINANG TUA (Design and Construction of Ripe Areca Nut Peeler)

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Jurnal nasional

SISTEM PENDUKUNG KEPUTUSAN UNTUK MENENTUKAN KELAYAKAN USAHA BUDIDAYA PERTANIAN PALAWIJA (Decision Support System to Determine Horticultural Farm Feasibility)

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2015

Jurnal nasional

Pemanfaatan Tongkol Jagung dan Limbah Teh Sebagai Bahan Briket

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2026

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UJI BERBAGAI TINGKAT KECEPATAN PUTARAN TERHADAP KUALITAS HASIL PADA ALAT PENGERING KELAPA (DESICCATED COCONUT)(Testing The Spee...

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Buku referensi

Potensi penggunaan tenaga kerbau untuk pengolahan tanah pada lahan sawah: studi kasus Kecamatan Ciampea, Kabupaten Bogor, Provinsi Jawa Barat

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UJI BERBAGAI TINGKATAN KECEPATAN PUTARAN PADA ALAT PENYANGRAI KOPI TIPE ROTARI TERHADAP KUALITAS HASIL

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Jurnal nasional

Sistem Informasi Pengolahan PKO pada Pabrik Pengolahan Inti Sawit PT. Perkebunan Nusantara IV Pabatu (The Production Information System on Palm Kernel Processing Plant of PT, & #8230;

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Jurnal internasional

Lemang cooker optimization

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Predict the Percentage Error of LM35 Temperature Sensor Readings using Simple Linear Regression Analysis

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UJI VARIASI UKURAN LUBANG SARINGAN PADA ALAT PENGGILING TULANG SAPI KERING (The Effect of Sieve Hole Size Variation of Dry Cow Bone Miller)

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2019

Jurnal internasional

Design of soil moisture control prototypes for plant cultivation

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Design of Android Based Horticultural Product Marketplace : A Case of Deli Serdang Regency, Sumatera Utara Province

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2018

Jurnal internasional

Identifikasi Penyakit Daun Tanaman Kelapa Sawit dengan Teknologi Image Processing Menggunakan Aplikasi Support Vector Machine

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Jurnal internasional

Th effectivity of fertilization based on hara index to increase grain rice plants production

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MODIFIKASI ALAT PENCETAK BRIKET ARANG DENGAN SISTEM PRESS HIDROLIK MENGGUNAKAN BAHAN BAKU LIMBAH TEH (Modification of Charcoal Briq...

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Uji suhu penggorengan keripik salak pada alat penggorengan vakum (vacuum frying) tipe vacuum pump

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SISTEM INFORMASI TANAMAN PERKEBUNAN KABUPATEN DELI SERDANG BERBASIS ANDROID (Plantation Crops Information System in Deli Serdang Based on Android)

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Monitoring of Solar Radiation Intensity using Wireless Sensor Network for Plant Growing

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MODIFIKASI ALAT PENCETAK BRIKET ARANG DENGAN SISTEM PRESS HIDROLIK MENGGUNAKAN BAHAN BAKU LIMBAH TEH (Modification of Charcoal Briquette Cast Using Hydraulic Press System From

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UJI LAMA FERMENTASI TERHADAP KUALITAS HASIL TERASI DENGAN MENGGUNAKAN PAKET ALAT PENGOLAH TERASI (The Effect of Fermentationtime on The Quality of Shrimp Paste Using a Paste

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2019

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Designing the quality of coffee bean detection application using Hue Saturation Intensity

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PENGARUH VARIASI SUHU PENGERINGAN BAHAN BAKU TERHADAP KUALITAS GILINGAN ALAT PENGGILING TULANG (The Effects of Raw Material Drying Temperature on the Quality of Meat Bone Meal

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SISTEM PENDUKUNG KEPUTUSAN UNTUK MENENTUKAN KELAYAKAN USAHA BUDIDAYA PERTANIAN HORTIKULTURA (Decision Support System to Determ...

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MODIFIKASI ALAT PENGUPAS SABUT KELAPA MEKANIS (Modification of Mechanical Coconut Fiber Peeler)

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Micro controller based automated control system for coffee beans cooling machine

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RANCANG BANGUN ALAT PENANAM BENIH KEDELAI (Glycine max L.) (Design and Construction of Soybean Grains Seeder (Glycine max L.))

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KARAKTERISTIK KERTAS BERBAHAN BAKU KULIT DURIAN DAN SAMPAH KERTAS PERKANTORAN (Characteristics of Paper From Durian Rind and Office Was...

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IDENTIFIKASI KEMATANGAN BUAH JAMBU BIJI MERAH (Psidium guajava) DENGAN TEKNIK JARINGAN SYARAF TIRUAN METODE BACKPROPAGATION (Identification of Guava Maturity with Artificial

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Decision Support System of Rice Production Needs Rice Milling Unit Case Study of Padangsidempuan City

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Evaluasi Beberapa Metode Penentuan Nilai Modulus Drainase pada Lahan Sawah di Daerah Desa Sei Beras Sekata Kecamatan Sunggal Kabupaten Deli Serdang

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Design of web based pre-production managerial information system for horticultural product farmers

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UJI BERBAGAI TINGKAT KECEPATAN PUTARAN TERHADAP KUALITAS HASIL PADA ALAT PENDINGIN KELAPA (DESICCATED COCONUT)(Testing The Speed Of Pulley Of Desiccated Coconut Dried In

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2016

Jurnal nasional

Design Construction of Patchouli Oil Direct Steam

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Researches

2025

Penelitian Dana Lokal Perguruan Tinggi

KAJIAN BEBERAPA JENIS TINDAK KONSERVASI PADA BEBERAPA MACAM TINGKAT KELERENGAN SEBAGAI UPAYA PENGENDALIAN ALIRAN PERMUKAAN DAN EROSI PADA TANAH INCEPTISOL DI KAWASAN KEBUN PERCOBAAN USU TAMBUNAN A

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