

Dr. Lukman Adlin Harahap, STP., M.Si.

Dosen Program Studi S1 Teknik Pertanian dan Biosistem
Fakultas Pertanian
Universitas Sumatera Utara

✉ lukman.adlin@usu.ac.id

🏢 Fakultas Pertanian USU

🌐 fp.usu.ac.id/id/dosen/lukman-adlin-harahap

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)

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2020

Jurnal internasional

Nikkei Stock Market Price Index Prediction Using Machine Learning

LUKMAN ADLIN HARAHAAP

2026

Prosiding seminar internasional

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

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2016

Jurnal nasional

The Engineered Of Charcoal Briquette Cast Basic material From Tea Waste

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

PENENTUAN NILAI EVAPOTRANSPIRASI DAN KOEFISIEN TANAMAN

BEBERAPA VARIETAS PADI UNGGUL DI RUMAH KACA FAKULTAS PERTANIAN UNIVER...

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2015

Jurnal nasional

Pemanfaatan Tongkol Jagung dan Limbah Teh Sebagai Bahan Briket

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2026

Buku referensi

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

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2026

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;

LUKMAN ADLIN HARAHAAP

2021

Jurnal internasional

Lemang cooker optimization

LUKMAN ADLIN HARAHAAP

2020

Jurnal internasional

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

LUKMAN ADLIN HARAHAAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2019

Jurnal internasional

Design of soil moisture control prototypes for plant cultivation

LUKMAN ADLIN HARAHAHAP

2026

Prosiding seminar internasional

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

LUKMAN ADLIN HARAHAHAP , MOHAMMAD GAHARA BASTARI , HANIEF RADIN PUTRA

2018

Jurnal internasional

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

LUKMAN ADLIN HARAHAHAP

2020

Jurnal internasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2016

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2020

Jurnal internasional

Analysis of the use of SEN0161 pH sensor for water in goldfish ponds

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2017

Jurnal internasional

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

LUKMAN ADLIN HARAHAHAP

2016

Jurnal nasional

Design and Construction of Asam Gelugur (Garcinia atroviridis Griff.) Slicer

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2019

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2017

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2026

Prosiding seminar internasional

Micro controller based automated control system for coffee beans cooling machine

LUKMAN ADLIN HARAHAHAP , ADOLF JUNI BASTIAN PERANGIN ANGIN

2026

Jurnal nasional

UJI BERBAGAI KECEPATAN PUTARAN PADA ALAT PENGGILING TULANG SAPI KERING (Test of Various Rotation Speed of Dry Cow Bone Miller)

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2017

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2015
Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2011
Jurnal internasional

Energy and Economic Analysis of Ice Cream Stick Production with Brine Tank Machine

LUKMAN ADLIN HARAHAAP

2026
Jurnal nasional

KARAKTERISTIK KERTAS BERBAHAN BAKU KULIT DURIAN DAN SAMPAH KERTAS PERKANTORAN

LUKMAN ADLIN HARAHAAP

2026
Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2015
Jurnal nasional

Study of Pulley Diameter Effect on Product Quality of Grain's Chip Molder

LUKMAN ADLIN HARAHAAP

2026
Jurnal nasional

KARAKTERISTIK TEPUNG TULANG YANG DIHASILKAN BERBAGAI BAHAN BAKU YANG DIOLAH DENGAN ALAT PENGGILING TULANG (Characteristics of Bone Flour From Various Raw Material Using Bone's …

LUKMAN ADLIN HARAHAAP

2017
Jurnal nasional

Rancang Bangun Alat Pengupas Kulit Tanduk Kopi Mekanis

LUKMAN ADLIN HARAHAAP

2026
Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2026
Jurnal nasional

Sistem Informasi Pengolahan PKO pada Pabrik Pengolahan Inti Sawit PT. Perkebunan Nusantara IV Pabatu (The Production Information System on Palm Kernel Pr...

LUKMAN ADLIN HARAHAAP

2015
Jurnal nasional

The Effect of Temperature Variation on Quality of Desiccated Coconut Dried in Desiccated Coconut Dryer

LUKMAN ADLIN HARAHAAP

2026
Jurnal nasional

Penentuan Nilai Evapotranspirasi Dan Koefisien Tanaman Beberapa Varietas

2026

Jurnal nasional

SIFAT FISIKA DAN KIMIA TANAH INCEPTISOL DENGAN PERLAKUAN KOMPOS (Physical and Chemical Characteristics of Inceptisolsoil Treated with Compost)

LUKMAN ADLIN HARAHAAP

2024

Prosiding seminar internasional

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

LUKMAN ADLIN HARAHAAP , RAHMAH RAMADHANI

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAAP

2016

Jurnal nasional

Design Construction of Patchouli Oil Direct Steam

LUKMAN ADLIN HARAHAAP

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

LUKMAN ADLIN HARAHAAP
