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## Publications

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

2020

Jurnal internasional

### **Nikkei Stock Market Price Index Prediction Using Machine Learning**

LUKMAN ADLIN HARAHAHAP

2026

Prosiding seminar internasional

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

LUKMAN ADLIN HARAHAHAP

2026

Jurnal nasional

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

LUKMAN ADLIN HARAHAHAP

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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 HARAHAHAP

2016

Jurnal nasional

### **The Engineered Of Charcoal Briquette Cast Basic material From Tea Waste**

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Jurnal nasional

### **PENENTUAN NILAI EVAPOTRANSPIRASI DAN KOEFISIEN TANAMAN**

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

LUKMAN ADLIN HARAHAAP

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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

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### **Pemanfaatan Tongkol Jagung dan Limbah Teh Sebagai Bahan Briket**

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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

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

LUKMAN ADLIN HARAHAAP

2026

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### **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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2021

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### **Lemang cooker optimization**

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2020

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

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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)**

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2019

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## **Design of soil moisture control prototypes for plant cultivation**

LUKMAN ADLIN HARAHAAP

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

LUKMAN ADLIN HARAHAAP , 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 HARAHAAP

2020

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## **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...**

LUKMAN ADLIN HARAHAAP

2016

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

LUKMAN ADLIN HARAHAAP

2020

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

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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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2017

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

LUKMAN ADLIN HARAHAAP

2016

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

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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...**

LUKMAN ADLIN HARAHAAP

2017

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

LUKMAN ADLIN HARAHAAP

2026

Prosiding seminar internasional

**Micro controller based automated control system for coffee beans cooling machine**

LUKMAN ADLIN HARAHAAP , ADOLF JUNI BASTIAN PERANGIN ANGIN

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

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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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2015  
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## **Decision Support System of Rice Production Needs Rice Milling Unit Case Study of Padangsidempuan City**

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

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## **KARAKTERISTIK KERTAS BERBAHAN BAKU KULIT DURIAN DAN SAMPAH KERTAS PERKANTORAN**

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

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## **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 &#8230;**

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## **Rancang Bangun Alat Pengupas Kulit Tanduk Kopi Mekanis**

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

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

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

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## **Penentuan Nilai Evapotranspirasi Dan Koefisien Tanaman Beberapa Varietas**

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

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Prosiding seminar internasional

**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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**Design Construction of Patchouli Oil Direct Steam**

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## **Researches**

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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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