# Prof. Dr. Ir. Yunilas, MP

Lecturer of Undergraduate Program in Animal Science Study Program
Faculty of Agriculture
Universitas Sumatera Utara

yunilas@usu.ac.id

USU Faculty of Agriculture

fp.usu.ac.id/en/lecturer/yunilas

*Prof. Dr. Ir. Yunilas, M.P., was born on June 11, 1968, in Padang. She is a lecturer at Universitas Sumatera Utara with a field of study in Biotechnology of Livestock. She completed her doctoral degree at the Faculty of Animal Science, Program of Animal Science, Universitas Andalas, in 2016. She has received several awards, including Satyalancana Karya Satya XX Tahun, Certificate of Award from Malaysia, International Festival of Innovation on Green Technology 2019 (IFINOG) on April 19-21, 2019, at Universiti Malaysia Pahang, and a certificate from Yayasan Budaya Hijaun Indonesia. She has also been a speaker at the National Webinar of Eco Enzyme Volunteers Indonesia (REEI).*

## Publications

2025
Jurnal nasional

### PEMANFAATAN LIMBAH FESES KAMBING DAN DOMBA MENJADI BIOBRIKET RAMAH LINGKUNGAN DI DUSUN 3 DESA SEI GLUGUR, KEC. PANCUR BATU, KAB. DELI SERDANG

YUNILAS

2025
Jurnal internasional bereputasi

### The influence of different proportions of rumen degradable protein and non-fiber carbohydrate consisted in feed ration on in vitro rumen fermentation, digestibility, gas production kinetics and enteric methane emission

YUNILAS , U HIDAYAT TANUWIRIA

2025
Prosiding seminar internasional

### Application of chitosan-stearin as a coating on the microbiological quality of chicken eggs at room temperature storage

YUNILAS

2025
Jurnal internasional bereputasi

### Effects of Chitosan-Stearin on Quality of Chicken Egg Storage at Room Temperature

YUNILAS , TRIOSO PURNAWARMAN

2025
Jurnal internasional bereputasi

### Effects of Chitosan-Stearin on Quality of Chicken Egg Storage at Room Temperature

USWATUN HASANAH , YUNILAS

2025
Jurnal internasional bereputasi

### The ability of chitosan–stearin as an edible coatng on the quality of broiler chicken meat during cold storage

YUNILAS , USWATUN HASANAH , TRIOSO PURNAWARMAN

2025
Jurnal internasional bereputasi

### Evaluation of antioxidant sources in fermented cocoa pod husk as animal feed

YUNILAS

2025
Jurnal internasional bereputasi

### Evaluation of antioxidant sources in fermented cocoa pod husk as animal feed

YUNILAS

2025
Jurnal internasional bereputasi

### Evaluation of antioxidant sources in fermented cocoa pod husk as animal feed

ALFONSINA MARTHINA TAPOTUBUN , YUNILAS

2024
Jurnal internasional bereputasi

### Insights from Insect Diversity and Functional Roles in Sorghum Pest Management: A Case Study from Northern Sumatera, Indonesia

YUNILAS , AMEILIA ZULIYANTI SIREGAR

2024
Jurnal internasional bereputasi

### In Vitro Rumen Fermentability and Physical Properties of Bali Cattle Ration Based on Agro-Industrial by-Product with Different Ratio of Rumen Degradable Protein and Non-Fiber Carbohydrate

YUNILAS , PROF.DR.IR.JASMAL AHMARI SYAMSU,MSi

2024
Jurnal nasional terakreditasi

### Physico-chemical Characterization of Tofu By-Product Silage Supplemented with Fine Rice Bran and Chestnut Tannin as Silage Additives

YUNILAS

2024
Jurnal nasional terakreditasi

### Physico-chemical Characterization of Tofu By-Product Silage Supplemented with Fine Rice Bran and Chestnut Tannin as Silage Additives

RAKHMAD PERKASA HARAHAP , SADARMAN , DEWI FEBRINA , RAHMI FEBRIYANTI , GHOLIB , YUNILAS , RIZKI AMALIA NURFITRIANI , FITRAH KHAIRI , Amirul Faiz Mohd Azmi , Novia Qomariyah

2024
Jurnal internasional bereputasi

### Endoparasites Inventory and Prevalence of Scomberomorus commerson in Sumatera Province, Indonesia

YUNILAS , ERI YUSNI

2024
Jurnal internasional bereputasi

### Optimization of Depigmentation Solvent Dosage to Remove Melanin Content in Black Soldier Fly (Hermetia illucens)

Sri Wahyuni , ULINA HUTASUHUT , ARMINA FARIANI , YUNILAS

2024
Jurnal internasional bereputasi

### Optimization of Depigmentation Solvent Dosage to Remove Melanin Content in Black Soldier Fly (Hermetia illucens)

Sri Wahyuni , ARMINA FARIANI , YUNILAS

2024
Jurnal internasional bereputasi

### Optimization of depigmentation solvent dosage to remove melanin content in black soldier fly (Hermetia illucens)

YUNILAS

2024
Jurnal nasional

## Pemberdayaan Kelompok Nelayan dalam Membudidayakan Kerang Dara sebagai Pendapatan Ekonomi Rakyat di Kampung Nelayan Belawan 1 Medan

YUNILAS , ERI YUSNI

2024
Jurnal nasional

## PEMBUATAN SILASE TUNGGAL BERBASIS RUMPUT GAMA UMAMI (PENNISETUM PURPUREUM CV.GAMA UMAMI) SEBAGAI PAKAN TERNAK

YUNILAS , Mhd. Isman

2024
Prosiding seminar internasional

## Isolation and characterization of chitosan from black soldier fly exuviae

YUNILAS

2024
Jurnal internasional bereputasi

## Nutrient digestibility, characteristics of rumen fermentation, and microbial protein synthesis from Pesisir cattle diet containing non-fiber carbohydrate to rumen degradable protein ratio and sulfur supplement

PROF.DR.IR.JASMAL AHMARI SYAMSU,MSi , MARDIATI ZAIN , U HIDAYAT TANUWIRIA , YUNILAS

2024
Prosiding seminar internasional

## Fishing industry potential as resources broiler feed’s fishmeal from bycatch in Teluk Nibung, Tanjung Balai

GALIH ARI WIRAWAN SIREGAR , R. EDHY MIRWANDHONO , ADE TRISNA , YUNILAS , AMIRAH ELMASYAH

2024
Prosiding seminar internasional

## Fishing industry potential as resources broiler feed’s fishmeal from bycatch in Teluk Nibung, Tanjung Balai

YUNILAS

2023
Jurnal internasional bereputasi

## The balance of rumen degradable protein and readily available carbohydrate in sheep rations on in vitro fermentability

YUNILAS

2023
Jurnal nasional

## Peternakan Eduwisata Kambing-Domba Pentahelix dalam Mendukung Ketahanan Protein di Sumatera Utara

YUNILAS

2023
Jurnal internasional bereputasi

## Detection, Identification and Evaluation of Cellulase Enzyme Activity of Cellulolytic Fungi from Pliek U as Cellulose Hydrolysis Agent in Feed

YUNILAS

2023
Jurnal internasional bereputasi

## Detection, Identification and Evaluation of Cellulase Enzyme Activity of Cellulolytic Fungi from Pliek U as Cellulose Hydrolysis Agent in Feed

YUNILAS , ERI YUSNI

2023
Jurnal internasional bereputasi

## Palatability Test of Urea Molasses Multinutrient Block (UMMB) Based on Cocoa Pods Fermented with LMO (Local Microorganisms) in Sheep

YUNILAS

2023
Jurnal internasional bereputasi

## The balance of rumen degradable protein and readily available carbohydrate in sheep rations on in vitro fermentability

U HIDAYAT TANUWIRIA , YUNILAS

2023
Jurnal internasional bereputasi

## The balance of rumen degradable protein and readily available carbohydrate in sheep rations on in vitro fermentability

PROF.DR.IR.JASMAL AHMARI SYAMSU,MSi , MARDIATI ZAIN , YUNILAS , U HIDAYAT TANUWIRIA

2023
Jurnal nasional

## Factors Affecting Pork Consumer Demand During The Covid - 19 Pandemic in Medan City, North Sumatra Province

GALIH ARI WIRAWAN SIREGAR , YUNILAS , GERY SURYADI , Hutauruk Hutauruk

2023
Buku referensi

## KITIN DAN KITOSAN BSF: Polimer Masa Depan Untuk Industri Peternakan

YUNILAS

2023
Jurnal nasional terakreditasi

## Salmonella sp. Contamination Detection in Layer Chicken Eggs Traded in Traditional Market of Medan Johor District

YUNILAS

2023
Jurnal internasional bereputasi

## Effect of Fermentation Time and Organic Acid Level on Organoleptic Quality and Chemical Components of Black Soldier Fly Prepupae Silage

YUNILAS

2023
Jurnal nasional terakreditasi

## Manufacturing of MOL and Amfoter Feed Palm Leaves and Fronds on Breeders in Talun Kenas Village, STM Hilir District

YUNILAS

2023
Jurnal nasional terakreditasi

## Potensi Limbah Sayur sebagai Agen Media Tumbuh Maggot BSF (Black Soldier Fly)

YUNILAS

2023
Jurnal nasional

## PEMBERDAYAAN PETERNAK IKAN LELE MELALUI TEKNOLOGI BIOFLOK DI KECAMATAN PATUMBAK

YUNILAS

2022
Prosiding seminar internasional

## Extraction of chitin and chitosan black soldier fly (Hermetia illucens) prepupa phase on characterization and yield

YUNILAS

2022
Lain-lain

## TEKNOLOGI PENGOLAHAN LIMBAH DENGAN SISTEM ALL OUT DALAM UPAYA MENINGKATKAN BIOSEKURITI LINGKUNGAN, KESEHATAN TERNAK DAN INCOME PETERNAK DI PETERNAKAN ACTIVIST FARM

YUNILAS

2022
Lain-lain

## Penerapan Teknologi Budidaya Ternak dan Pembuatan Amfoter Daun dan Pelepah Sawit Pada Peternak Domba Di Desa Talun Kenas Kecamatan STM Hilir

YUNILAS

2022
Buku referensi

## Bakteri Lignoselulolitik Dari Limbah Perkebunan Kelapa Sawit Sebagai Kultur Starter Fermentasi Pakan

YUNILAS

2022
Jurnal nasional

## Potensi dan Karakteristik Larutan Mikroorganisme Lokal (MOL) Berbasis Limbah Sayur sebagai Bioaktivator dalam Fermentasi

YUNILAS

2022
Jurnal internasional bereputasi

## Extraction of chitin and chitosan black soldier fly ( Hermetia illucens) prepupa phase on characterization and yield

YUNILAS

2022
Lain-lain

## PEMBERDAYAAN SISWA SMK ASGA MANDIRI JOHOR DALAM PENANGANAN SAMPAH ORGANIK SEBAGAI PUPUK DAN MEDIA HIDUP MAGGOT DALAM MEWUJUDKAN GREEN ECONOMY

YUNILAS

2022
Monograf

## Cocktail Inokulum: Inokulum Campuran sebagai Kultur Starter Fermentasi Pakan

YUNILAS

2022
Jurnal nasional

## PASCAPANEN KOPI MENDUKUNG PERTANIAN BERKELANJUTAN DI DESA HUTANAMALE PUNCAK SORIK MARAPI, MADINA

YUNILAS

2022
Jurnal internasional bereputasi

## The Use of biopesticide to control of Thrips palmi on potato plant of Sorik Merapi Mountain, Madina, North Sumatera

AMEILIA ZULIYANTI SIREGAR , YUNILAS

2022
Jurnal nasional

## Pengolahan kopi tepat guna mendukung pertanian berkelanjutan di Desa Telagah, Sei Bingei, Langkat

YUNILAS , AMEILIA ZULIYANTI SIREGAR

2022
Jurnal nasional

## Pengolahan Kopi Tepat Guna Mendukung Pertanian Berkelanjutan Di Desa Telagah, Sei Bingei, Langkat

YUNILAS

2021
Jurnal internasional bereputasi

## Effect of Various Doses of Local Microorganism Additives on Silage Physical Quality of Corn (Zea mays L.) Waste

YUNILAS

2021
Lain-lain

## PENGOLAHAN KAMBING PENTAHELIX MENDUKUNG KETAHANAN PROTEIN MASA PANDEMIK DI SUMATERA UTARA

YUNILAS

2021
Jurnal internasional bereputasi

## Effect of dietary black cumin seed (Nigella sativa) on performance, immune status, and serum metabolites of small ruminants: A meta-analysis

YUNILAS

2021
Jurnal nasional

## The Effect of Sheep Feces Compost with Different Fertilization Doses and Intervals on the Productivity of Mixed Pastures (Clitoria ternatea and Brachiaria ruziziensis)

YUNILAS

2021
Jurnal nasional

## Digestibility Of Maggot Black Soldier Fly (Hermetia Ilucens) Flour in Ration Of Kampong Chicken

YUNILAS

2021
Jurnal nasional

## Nutritional Content of Fermented Kepok Banana Peel (KBP) by Local Microorganisms (MOL)

YUNILAS

2021
Jurnal nasional terakreditasi

## INTEGRASI PADI MERAH DAN TERNAK LEMBU MENDUKUNG KETAHANAN PANGAN DI TAPANULI SELATAN

YUNILAS

2021
Jurnal nasional

## Penerapan Manajemen Pemeliharaan dan Pakan Komplit Biomassa Ubi kayu, Pucuk Tebu dan Ampas Tahu Pada Peternak Kambing Di Desa Deli Tua Kecamatan Namo Rambe

YUNILAS

2020
Prosiding seminar internasional

## The effect of bioctivator addition to the quality of bio gas slurry

YUNILAS

2020
Jurnal nasional

## Performance Of Local Sheep by the Application of Fermented Cassava Peel With Local Microorganism (MOL)

YUNILAS

2020
Lain-lain

## â€œMODEL DESA MITRA PETANI PADI BERAS MERAH DAN PETERNAK LEMBU MENDUKUNG KETAHANAN PANGAN DI SUMATERA UTARAâ€�

YUNILAS

2020
Lain-lain

## â€œMODEL DESA MITRA PETANI PADI BERAS MERAH DAN PETERNAK LEMBU MENDUKUNG KETAHANAN PANGAN DI SUMATERA UTARAâ€�

YUNILAS

2020
Lain-lain

## Penerapan Manajemen Pemeliharaan dan Pakan Komplit Biomassa Ubi kayu, Pucuk Tebu dan Ampas Tahu Pada Peternak Kambing Di Desa Deli Tua Kecamatan Namo Rambe

YUNILAS

2020
Jurnal internasional

## A study about Protective Effect of Brevibacillus laterosporus texasporus Culture on Broiler Chickens Infected with Salmonella Pullorum

YUNILAS

2020
Buku referensi

## Rekayasa Berbagai Pupuk untuk Tanaman Makanan Ternak: Turi (Sesbania Grandiflora)

NURZAINAH GINTING , HASNUDI , YUNILAS

2020
Jurnal internasional

## The effect of bioctivator addition to the quality of bio gas slurry

HASNUDI , YUNILAS , NURZAINAH GINTING

2020
Prosiding seminar internasional

## The Effect of Bioactivator Addition to the Quality of Bio Gas Slurry

HASNUDI , YUNILAS , NURZAINAH GINTING

2020
Jurnal nasional

## The Use of Fermented Cassava Peel (Manihotutilisima) in the Rationon Carcass Quality of Male Local Sheep

YUNILAS

2020
Jurnal nasional

## Nutritional Quality Of Oil Palm Press Fiber By Product Fermented By Local Miroorganism

YUNILAS

2019
Jurnal nasional

## Utilization of Buffalo Faeces Combination of Fermented Coffee Peel with MOL (Local Microorganisms) Against Growth of Indigofera zollingeriana

YUNILAS

2019
Jurnal nasional

## Isolation and characteristic of lignocellulolitic fungi of palm waste as a fiber feed degrading agent.

YUNILAS

2019
Lain-lain

## Penerapan Teknologi Budidaya Ternak dan Pembuatan Amfoter Daun dan Pelepah Sawit Pada Peternak Domba Di Desa Talun Kenas Kecamatan STM Hilir

YUNILAS

2019
Lain-lain

## TURI (SESBANIA GRANDIFLORA) SEBAGAI TANAMAN MAKANAN TERNAK KERBAU DI KECAMATAN PANGURURAN KABUPATEN SAMOSIR

YUNILAS

2019
Jurnal nasional

## Utilization of Biogas Slurry Doses from Goat Faeces with MOL (Micro Local Organisms) Banana Stem on Turi Productivity (Sesbania grandiflora) in Samosir Regency

YUNILAS

2019
Jurnal nasional

## Utilization of Biogas Slurry Doses from Goat Faeces with MOL (Micro Local Organisms) Banana Stem on Turi Productivity (Sesbania grandiflora) in Samosir Regency

YUNILAS

2019
Jurnal nasional

## Utilization of fermented corn cob flour with" MOIYL" probiotics on local rabbit performance

YUNILAS

2019
Jurnal nasional

## Forage substitution with MOIYL fermented cacao pod on carcass quality of local sheeps

YUNILAS

2019
Jurnal nasional

## Isolasi Dan Karakteristik Fungi Lignoselulolitik Dari Limbah Sawit Sebagai Agen Pendegradasi Pakan Berserat

YUNILAS

2019
Prosiding seminar internasional

## Synergism of cellulolytic bacteria in consortium as starter culture agent "MOIYL" for fiber feed

YUNILAS , TRI HESTI WAHYUNI

2019
Prosiding seminar internasional

## Content of fibre fraction complete feed silage based waste corn (Zea mays) in the fermentation process with local microorganism Ã¢â‚¬Å“Probiotic MOIYL

YUNILAS , YUSUF L HENUK

2019
Buku referensi

## Aplikasi Mikroba Pada Pakan Ternak

YUNILAS

2019
Jurnal nasional

## Sinergisme Fungi Selulolitik Berbasis Limbah Jagung Sebagai Bioaktivator Pakan Berserat

YUNILAS

2019
Jurnal nasional

## The Activity Of Cellulose Enzyme From Indigenous Bacteria "Bacillus Sp YLB1" As Bioactivator

YUNILAS

2019
Jurnal nasional

## The Changes of Nutrient Content of Cassava Peel (Manihot esculenta Crantz)

**That Fermented by Indigenous Microorganisms (IMO) As Animal Feed**

YUNILAS

2019
Jurnal nasional

**Microbial effects from biogas slurry application on growing phase of turi (Sesbania grandiflora)**

YUNILAS

2019
Jurnal nasional

**The Potential of Giving Silage Feed Based on Corn Plant Waste (Zea mays) Using Local Microorganisms (Indigenous Microorganism) Against the Percentage of Non-Carcass on Local Sheep**

YUNILAS

2019
Jurnal internasional

**CHARACTERISTICS AND DEGRADATION ABILITY OF CELLULOLYTIC BACTERIA FROM PLIEK-U AS FIBROUS FEED BIOACTIVATOR**

YUNILAS

2019
Jurnal internasional

**CHARACTERISTICS AND DEGRADATION ABILITY OF CELLULOLYTIC BACTERIA FROM PLIEK-U AS FIBROUS FEED BIOACTIVATOR**

YUNILAS

2019
Jurnal nasional

**Silase Komplit Pelepah Kelapa Sawit dan Indigofera sp. dengan Probiotik MOIYL Terhadap Performa Sapi PO**

YUNILAS

2019
Jurnal nasional

**Microbial Effects from Biogas Slurry Application on Growing Phase of Turi (Sesbania grandiflora)**

YUNILAS

2019
Jurnal nasional

**Isolation and characteristics of cellulolytic bacteria based on corn waste as a fibrous feed bioactivator**

YUNILAS

2019
Jurnal nasional

**Isolation and Characteristics of Corn-Based Cellulolytic Fungi as Fibrous Feed Bioactivators**

YUNILAS

2019
Jurnal nasional

**Isolation and Characteristics of Corn-Based Cellulolytic Fungi as Fibrous Feed Bioactivators**

YUNILAS

2019
Jurnal nasional

**Utilization of Fermented Corn Cobs Flour in a Pellet-Shaped Ration AgainstMale Local Rabbit Carcasses (Oryctolagus cunniculus) Off Wean**

YUNILAS

2019
Jurnal nasional

**Utilization of Fermented Corn Cobs Flour in a Pellet-Shaped Ration AgainstMale Local Rabbit Carcasses (Oryctolagus cunniculus) Off Wean)**

YUNILAS

2019
Jurnal nasional

**The Analysis of Factors that Affecting the Amount of Free- Range Chicken MeatÃ¢â‚¬â„¢s Consumption in Langkat Regency**

YUNILAS

2019
Jurnal nasional

**The Analysis of Factors that Affecting the Amount of Free-Range Chicken Meatâ€™s Consumption in Langkat Regency**

YUNILAS

2019
Jurnal nasional

**The Potential of Giving Silage Feed Based on Corn Plant Waste (Zea mays) Using Local Microorganisms (Indigenous Microorganism) Against the Percentage of Local Male Non-Carcass Sheep**

YUNILAS

2019
Jurnal nasional

**Utilization of fermented corn cob flour with "MOIYL" probiotics on local rabbit performance**

YUNILAS

2019
Jurnal nasional

**The Changes of Nutrient Content of Cassava Peel (Manihot esculenta Crantz) That Fermented by Indigenous Microorganisms (IMO) As Animal Feed**

YUNILAS

2018
Jurnal nasional

**The Utilization level of Corn Cob Fermented by MOIYL on Dry Matter and Organic Matter Digestibility on Local Rabbit**

YUNILAS

## Researches

2025
Penelitian Kerjasama Antar Perguruan Tinggi

**Bioaktif Tanaman dan Lemak Terproteksi dalam Ransum untuk Reduksi Metana dan Optimasi Produktivitas Ternak**

MARDIATI ZAIN , YUNILAS , DR DESPAL SPT MSC AGR

2024

**IMPLEMENTASI KITOSAN DAN STEARIN UNTUK PENINGKATAN MUTU DAN UMUR SIMPAN PRODUK HASIL TERNAK**

YUNILAS

2023
Ipteks Bagi Masyarakat

**Pembuatan Silase Tunggal Berbasis Rumput Gama Umami (Pennisetum purpurem CV. Gama Umami) Sebagai Pakan Ternak**

YUNILAS , ERI YUSNI

2023
Ipteks

**Detection, Identification and Evaluation of Cellulase Enzyme Activity of**

## Cellulolytic Fungi from Pliek U as Cellulose Hydrolysis Agent in Feed

YUNILAS , ERI YUSNI

2023

## Singkronisasi Rumen Degradable Protein Dan Rumen Degradable Karbohidrat Dalam Ransum Untuk Meningkatkan Produktivitas Ternak Ruminansia Di Indonesia

MARDIATI ZAIN , YUNILAS , PROF.DR.IR.JASMAL AHMARI SYAMSU,MSi , U HIDAYAT TANUWIRIA

2023
Ipteks Bagi Masyarakat

## PEMBERDAYAAN PETERNAK IKAN LELE MELALUI TEKNOLOGI BIOFLOK DI KECAMATAN PATUMBAK

YUNILAS , ERI YUSNI

2023

## SINGKRONISASI RUMEN DEGRADABLE PROTEIN DAN RUMEN DEGRADABLE KARBOHIDRAT DALAM RANSUM UNTUK MENINGKATKAN PRODUKTIVITAS TERNAK

MARDIATI ZAIN , YUNILAS , UJANG HIDAYAT TANUWIRIA

2022
Ipteks

## Salmonella sp. Contamination Detection in Layer Chicken Eggs Traded in Traditional Market of Medan Johor District

YUNILAS , ERI YUSNI

2021
Penelitian Fundamental

## INVENTARISASI KARAKTERISTIK VARIASI MEDIA MAGGOT BLACK SOLDIER FLY SEBAGAI PAKAN ALTERNATIF PENGGANTI TEPUNG IKAN

YUNILAS , TRI HESTI WAHYUNI

2019
Penelitian Unggulan Perguruan Tinggi

## Biskuit Cracker MOIYL Berbasis Pakan Lokal Sebagai Pakan Probiotik Masa Depan Ternak Ruminansia

YUNILAS

2018
Penelitian Unggulan Perguruan Tinggi

## Biskuit Cracker MOIYL Berbasis Pakan Lokal Sebagai Pakan Probiotik Masa Depan Ternak Ruminansia

YUNILAS

2017
Penelitian Fundamental

## PROBIOTIK PLIEK U SEBAGAI BIOAKTIVATOR PAKAN TERNAK BERBASIS LIMBAH SAWIT (SOLID)

YUNILAS

2015
Penelitian Fundamental

## EKSPLORASI PENGOLAHAN DAGING FERMENTASI SEBAGAI SALAH SATU GERAKAN MENUJU PRODUK PROBIOTICS FOOD ASAL DAGING

YUNILAS

2013
Penelitian Disertasi Doktor

## Uji Kemampuan Bakteri Indigenous Merombak Senyawa Polisakarida (Lignoselulosa) Dari Limbah Perkebunan dan Industri Kelapa Sawit

YUNILAS

## Community Services

2025

### Pengolahan Pakan Limbah, Pembuatan Mineral Blok Plus Dan Briket Dari Feses Pada Kelompok Ternak Kapedo di Kecamatan Pancur Batu

YUNILAS

2024

### Pengelolaan Limbah Perikanan Sebagai Bahan Pakan Ternak Untuk Meningkatkan Nilai dan Kesejahteraan Kelompok Peternak Unggas di Desa Denai Sarang Burung

YUNILAS

2022
Ipteks

### Penerapan Teknologi Budidaya Ternak dan Pembuatan Amfoter Daun dan Pelepah Sawit Pada Peternak Domba Di Desa Talun Kenas Kecamatan STM Hilir

YUNILAS

2021
Ipteks

### Pengolahan Kopi Tepat Guna Mendukung Pertanian Berkelanjutan Di Desa Telagah, Sei Bingei, Langkat

AMEILIA ZULIYANTI SIREGAR , YUNILAS

2016

### Pertanian Terpadu Sistem Integrasi Ladang, saran dan Ternak Itik Untuk Mendukung Pertanian Organik

YUNILAS , BINTANG

2012
Ipteks Bagi Masyarakat

### Teknologi Pengolahan Jerami Padi dan Pembuatan Nutrien Blok serta UMB..

YUNILAS , TRI HESTI WAHYUNI

## Intellectual Property Rights

2025
Hak cipta nasional

### Uji Kecernaan Pakan Dengan Aditif Tanaman Lokal Secara In Vitro

U HIDAYAT TANUWIRIA , YUNILAS , MARDIATI ZAIN , DR DESPAL SPT MSC AGR

2025
Hak cipta nasional

### Uji Kecernaan Pakan Dengan Aditif Tanaman Lokal Secara In Vitro

U HIDAYAT TANUWIRIA , YUNILAS , MARDIATI ZAIN , DR DESPAL SPT MSC AGR

2025
Hak cipta nasional

### Evaluasi Sifat Fisik Tepung Maggot (Hermentia illucens) yangDipelihara pada Berbagai Media Feses Ternak

YUNILAS

2025
Paten nasional

### METODE PRODUKSI SUPLEMEN PAKAN BLOK MENGANDUNG SENYAWA BIOAKTIF MENGATASI STRES SELAMA TRANSPORTASI

YUNILAS

2025
Paten nasional

## METODE PRODUKSI SUPLEMEN PAKAN BLOK MENGANDUNG SENYAWA BIOAKTIF MENGATASI STRES SELAMA TRANSPORTASI

YUNILAS

2025
Paten nasional

## METODE PRODUKSI MAGGOT BLACK SOLDIER FLY (BSF) BERBASIS LIMBAH SAYUR SEBAGAI PAKAN SUMBER PROTEIN

YUNILAS

2025
Paten nasional

## METODE PRODUKSI MAGGOT BLACK SOLDIER FLY (BSF) BERBASIS LIMBAH SAYUR SEBAGAI PAKAN SUMBER PROTEIN

YUNILAS

2024
Rancangan dan karya seni monumental

## Feed Additive: Fitobiotik

YUNILAS

2024
Hak cipta nasional

## Implementasi Teknologi Silase Berbasis Limbah Ubi Kayu Aditif Mikroba Selulolitik Indigenous Dan Komposisi Ransum Komplit Suplementasi UMB Pod Kakao Di Kabupaten Batubara

YUNILAS

2024
Paten nasional

## Metode Produksi Garam Jilat Urea Molases Pod Kakao Blok (UMPKB) Sebagai Feed Suplement Ternak Ruminansia

YUNILAS

2023
Hak cipta nasional

## Imbangan Rumen Degradable Protein (RDP) Dan Readily Available Carbohydrate (RAC) Secara Invitro Pada Ternak Domba

YUNILAS , PROF.DR.IR.JASMAL AHMARI SYAMSU,MSi , MARDIATI ZAIN , U HIDAYAT TANUWIRIA

2023
Hak cipta nasional

## Apakah Konsumsi Telur Dapat Meningkatkan Kolesterol?

YUNILAS

2023
Hak cipta nasional

## Penentuan Kadar Asam Laktat

YUNILAS

2023
Hak cipta nasional

## Bakteri Lignoselulolitik Dari Limbah Perkebunan Kelapa Sawit Sebagai Kultur Starter Fermentasi Pakan

YUNILAS

2022
Paten nasional

## METODE PRODUKSI GARAM JILAT UREA MOLASES POD KAKAO BLOCK (UMPKB)SEBAGAI FEED SUPLEMENT TERNAK RUMINANSIA

YUNILAS

2022
Hak cipta nasional

## Cocktail Inokulum: Inokulum Campuran Sebagai Kultur Starter Fermentasi Pakan

YUNILAS

2022
Hak cipta nasional

## Dadiah Plus Ekstrak Moringga

YUNILAS

2022
Hak cipta nasional

## Cara Praktis Membuat Komposter Dari Drum Bekas Untuk Pengomposan Limbah Dapur (Organik)

YUNILAS

2022
Hak cipta nasional

## Telur Sumber Protein Terbaik (Padat Gizi, Enak, Murah, Menyehatkan Dan Mencerdaskan)

YUNILAS

2022
Hak cipta nasional

## Teknik Pengolahan Pakan Hijauan (Berserat)

YUNILAS

2021
Paten nasional

## PROSES PRODUKSI SILASE RANSUM KOMPLIT JERAMI JAGUNG DENGAN ADITIF MIKROBA SELULOTIK

YUNILAS

2020
Hak cipta nasional

## REKAYASA BERBAGAI PUPUK UNTUK TANAMAN MAKANAN TERNAK : TURI (Sesbania Grandiflora)

YUNILAS

2020
Hak cipta nasional

## Aplikasi Mikroba Pada Pakan Ternak

YUNILAS

2019
Hak cipta nasional

## Manajemen Sapi Potong Modern

YUNILAS