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Dr. Yurnaliza S.Si., M.Si., born in Pekanbaru on July 18, 1971, is a lecturer in Biology at the Universitas Sumatera Utara. She completed her doctoral degree in the Biology study program at the Bandung Institute of Technology in 2015.

Publications

2022

Jurnal internasional bereputasi

Chemical Profiling of Volatile Metabolites and Anticancer Activity of Brianthein W, a Diterpene Produced by Hypomontagnella Monticulosa with Osmac-Based Approaches

YURNALIZA , MOHAMMAD BASYUNI , ERMAN MUNIR , SOVIA LENNY

2022

Jurnal nasional terakreditasi

Effect of Incubation Time on Amylase Enzyme Activity in Sticky Rice Tape

YURNALIZA

2020

Jurnal internasional bereputasi

Colonization of trichoderma Spp. in Rhizome of five zingiberaceous species from North Sumatra, Indonesia

YURNALIZA , ERMAN MUNIR

2020

Prosiding seminar internasional

Village Community Empowerment with Integrated Waste Processing at Namo Bintang Village Deli Serdang Regency

ISNAINI NURWAHYUNI , YURNALIZA , MAYANG SARI YEANNY

2023

Jurnal internasional bereputasi

Diversity of Cellulolytic Bacteria from the Digestive Tract of Oryctes rhinoceros Larvae

ERMAN MUNIR , YURNALIZA , AHMAD FAISAL NASUTION , DWI SURYANTO

2021

Jurnal internasional bereputasi

Screening of endophytic fungi from oil palm (Elaeis guineensis) in producing exopolysaccharides

YURNALIZA , IT JAMILAH

2024

Jurnal internasional bereputasi

Chemical profiling of fungal metabolites via the OSMAC approach: Novel identification of Brianthein W from an endophytic fungus, Hypomontagnella monticulosa Zg15SU

YURNALIZA , ERMAN MUNIR

2020

Prosiding seminar internasional

A Survey on *Aspergillus chevalieri* Infection Isolated from Poultry Feed

YURNALIZA , KIKI NURTJAHJA

2021

Jurnal internasional bereputasi

Chitinase and antifungal activity of endophytic fungi isolated from *Hedychium coronarium* J. Koenig

ERMAN MUNIR , YURNALIZA

2021

Jurnal internasional bereputasi

Chemical analysis and anticancer activity of sesterterpenoid from an endophytic fungus *Hypomontagnella monticulosa* Zg15SU and its host *Zingiber griffithii* Baker

MOHAMMAD BASYUNI , ERMAN MUNIR , YURNALIZA

2022

Jurnal nasional terakreditasi

Quality of Effective Microorganisms-based Liquid Fertilizer from Fermented Papaya Fruits (*Carica papaya* L.)

YURNALIZA , ISNAINI NURWAHYUNI

2021

Prosiding seminar internasional

Antifungal activity and IAA production by endophytic fungi isolated from *Elettaria* sp

ERMAN MUNIR , YURNALIZA

2021

Jurnal nasional terakreditasi

Bioprospecting of Chitinolytic Diazotroph Rhizospheric Bacterial Isolated From *Mucuna bracteata* as Biocontrol Against *Ganoderma boninense*

YURNALIZA

2019

Prosiding seminar internasional

Screening of antagonistic fungi from *Etlingera littoralis* (J.Koenig) Giseke rhizome in Sibolangit Forest, North Sumatra

MOHAMMAD BASYUNI , YURNALIZA , ERMAN MUNIR

2017

Prosiding seminar internasional

Preparation and Characterization of Cellulose Microcrystalline (MCC) from Fiber of Empty Fruit Bunch Palm Oil

HALIMATUDDAHLIANA , YURNALIZA

2011

Prosiding seminar nasional

Peran Bakteri Endofit Penghasil IAA (Indole Acetic Acid) Terseleksi Terhadap Pertumbuhan Tanaman Padi (*Oryza sativa* L.)

NUNUK PRIYANI , YURNALIZA

2019

Artikel ilmiah

Antagonistic Endophytic Fungi of *Hedychium coronarium* J. Koenig from Hutan Sibayak and Taman Hutan Raya, North Sumatra against *Staphylococcus aureus* ATCC 29213TM

YURNALIZA , ERMAN MUNIR

2023

Jurnal internasional bereputasi

Fungal Contamination and Characterization of *Aspergillus flavus* on Poultry Feeds and their Ingredients in North Sumatera

YURNALIZA , KIKI NURTJAHJA

2025
Jurnal nasional

Pengelolaan Biomassa Kayu Menjadi Biobriket dengan Teknologi Pirolisis sebagai Sumber Energi Terbarukan di Desa Kelambir, Kecamatan Pantai Labu, Provinsi Sumatera Utara

RISMA FAZILLAH , ROSDANELLI HASIBUAN , JULIZA HIDAYATI , MUHAMMAD THORIQ AL FATH. , DINI WAHYUNI , RIVALDI SIDABUTAR , YURNALIZA

2019
Prosiding seminar internasional

Antibacterial Ability of Endophytic Bacteria Isolated from Kemenyan (*Styrax benzoin L.*)

DWI SURYANTO , YURNALIZA

2020
Prosiding seminar internasional

Control of pests in saline paddy of Percut, Northern Sumatera

AMEILIA ZULIYANTI SIREGAR , YURNALIZA

2025
Hasil penelitian/pemikiran yang tidak dipublikasikan

Laporan pengabdian Masyarakat Desa Binaan: PENGELOLAAN LINGKUNGAN SEHAT, BERSIH DAN NYAMAN DENGAN PENERAPAN TEKNOLOGI PROSES PENGOLAHAN SAMPAH MENJADI PRODUK KOMERSIAL DAN PEMANFAATAN ECO ENZYME MENJADI PRODUK SABUN PADAT UNTUK MENINGKATKAN PENDAPATAN MASYARAKAT DESA PADANG TUALANG KECAMATAN PADANG TUALANG KABUPATEN LANGKAT

YURNALIZA

2021
Jurnal internasional bereputasi

Antagonistic Activity of Endophytic Fungi Isolated from *Globba patens* Miq. Rhizome against Human Pathogenic Bacteria

MOHAMMAD BASYUNI , YURNALIZA , ERMAN MUNIR

2023
Prosiding seminar nasional

Screening of Phosphate-Solubilizing Fungi from Oil Palm Rhizosphere

YURNALIZA , NUNUK PRIYANI

2014
Jurnal internasional

Antagonistic activity assessment of fungal endophytes from oil palm tissues against *Ganoderma boninense* Pat.

YURNALIZA

2018
Prosiding seminar internasional

Antibacterial activity of cinnamon ethanol extract (*cinnamomum burmannii*) and its application as a mouthwash to inhibit streptococcus growth

YURNALIZA , DWI SURYANTO

2022
Prosiding seminar internasional

Potential of cellulolytic fungi isolated from the intestine of Asiatic rhinoceros beetle (*Oryctes rhinoceros*)

AHMAD FAISAL NASUTION , ERMAN MUNIR , DWI SURYANTO , YURNALIZA

2018
Prosiding seminar internasional

Decolorization of batik naphthol dye by local ligninolytic fungal isolates

ERMAN MUNIR , NUNUK PRIYANI , YURNALIZA

2022
Jurnal internasional bereputasi

Isolation and Characterization of Phosphate Solubilizing Activity of

Endophytic Fungi from Zingiberaceous Species

YURNALIZA , ERMAN MUNIR

2019

Jurnal internasional

The Effect of Cobalt on Immobilized D-Psicose 3-Epimerase Activity in Ca-Alginate Beads

YURNALIZA

2017

Prosiding seminar internasional

Preparation and Characterization of Cellulose Microcrystalline (MCC) from Fiber of Empty Fruit Bunch Palm Oil

YURNALIZA , HALIMATUDDAHLIANA

2001

Artikel ilmiah

Senyawa Khitin Dan Kajian Aktivitas Enzim Mikrobial Pendegradasinya

YURNALIZA

2025

Jurnal nasional terakreditasi

Isolation and Morphological Characterization of Fungal Isolates from Leachate of Namo Bintang Landfill, North Sumatra

YURNALIZA , ERMAN MUNIR , NIKEN SIMANJUNTAK

2024

Jurnal internasional bereputasi

Bioprospecting Study of Plant Growth Promoting Rhizospheric Bacteria from Oil Palm Plantation as Biological Control Agent of Ganoderma boninense

YURNALIZA , SOVIA LENNY , ISNAINI NURWAHYUNI , ANISA LUTFIA

2020

Prosiding seminar internasional

The Potency of Plant Growth Promoting Rhizobacteria (PGPR) of Coastal Poaceae (Phragmites karka) to Stimulating of Paddy (Oryza sativa L.) Growth

YURNALIZA , NUNUK PRIYANI

2018

Prosiding seminar internasional

Antimicrobial activity of lactic acid bacteria isolated from bekasam against staphylococcus aureus ATCC 25923, escherichia coli ATCC 25922, and salmonella sp

DWI SURYANTO , YURNALIZA

2020

Prosiding seminar internasional

Preliminary Screening of Antagonistic Fungal Endophytes from Zingiberaceae

ERMAN MUNIR , YURNALIZA

2022

Prosiding seminar internasional

Potential of cellulolytic fungi isolated from the intestine of Asiatic rhinoceros beetle (Oryctes rhinoceros)

ERMAN MUNIR , DWI SURYANTO , YURNALIZA

2025

Artikel ilmiah

Decolorization potential of laccase producing fungi isolated from forest floor

YURNALIZA , ERMAN MUNIR , GLORIA MILES TELAUMBANUA , OKY KUSUMA ATNI

2022

Jurnal nasional terakreditasi

Effect Of Smoking Behaviour and The BMI On Ph Levels Of Saliva and Salivary Amylase Activity Among Male Students

YURNALIZA

2019
Artikel ilmiah

Identification of a Potential IAA-Producing Fungus Isolated from Alpinia Sp. Rhizome in Hutan Sibayak, North Sumatera

YURNALIZA , ERMAN MUNIR

2024
Jurnal internasional bereputasi

Screening of indigenous methicillin-resistant *Staphylococcus aureus* (MRSA)-inhibiting actinomycetes from Sicanang Mangrove and Cermin Beach in North Sumatra Province, Indonesia

YURNALIZA , ERMAN MUNIR , RIRIS ITA OLIVIA GULTOM , ANDINI JUNIASTI NASUTION

2020
Prosiding seminar internasional

Conversion of Paddy Straw into Fertilizer and Animal Feed at Tanjung Rejo Village, Deli Serdang Regency, Medan, Indonesia

MAYANG SARI YEANNY , YURNALIZA , TERNALA ALEXANDER BARUS

2017
Prosiding seminar nasional

respon metabolik Klon kelapa sawit terhadap jamur endofit dan patogen *Ganoderma boninense*

YURNALIZA

2017
Jurnal internasional

The chitinase activity of oil palm ('*Elaeis guineensis*' Jacq.) roots against fungal endophytes and pathogenic '*Ganoderma boninense*'

I NYOMAN PUGEG ARYANTHA , Agus Susanto , YURNALIZA , RIZKITA RACHMI ESYANTI

2020
Jurnal internasional bereputasi

Molecular identification of endophytic fungi from torch ginger (*Etlingera elatior*) antagonist to phytopathogenic fungi

ERMAN MUNIR , YURNALIZA

2022
Prosiding seminar internasional

In Vitro Use Metabolism of *Pediococcus pentosaceus* Strain N6 as Alternative to Natural Antibiotics in Broiler

NURJAMA YAH BR KETAREN , NUNUK PRIYANI , YURNALIZA

2011
Jurnal nasional terakreditasi

Kemampuan Kitinase *Streptomyces* Rkt5 sebagai Antijamur terhadap Patogen *Fusarium oxysporum*

YURNALIZA

2020
Jurnal internasional bereputasi

Screening of *Burkholderia* spp. from oil palm plantation with antagonistic properties against *Ganoderma boninense*

ISNAINI NURWAHYUNI , YURNALIZA , SOVIA LENNY

2019
Artikel ilmiah

Antibacterial and phosphate solubilization activity of endophytic bacteria isolated from Pteridophyta (*Tectaria barberi*)

YURNALIZA , ERMAN MUNIR

2017
Jurnal internasional bereputasi

The chitinase activity of oil palm (*Elaeis guineensis* Jacq.) roots against fungal endophytes and pathogenic *Ganoderma boninense*

2020

Jurnal internasional bereputasi

Purification and Characterization of D-psicose 3 Epimerase (DPEase) From Escherichia coli BL21 (DE3) pET21b dpe

YURNALIZA

2017

Jurnal nasional

EFEKTIVITAS BERKUMUR LARUTAN EKSTRAK ETANOL KULIT KAYU MANIS DALAM MENURUNKAN AKUMULASI PLAK GIGI

DWI SURYANTO , YURNALIZA

2020

Prosiding seminar internasional

Isolation and Screening of Antagonistic Diazotrophic Endophytic Bacteria from Oil Palm Roots against Ganoderma boninense

YURNALIZA , SOVIA LENNY , ISNAINI NURWAHYUNI

2018

Prosiding seminar internasional

Isolation and identification of exopolysaccharide-producing endophytic fungi from leaf midribs of oil palm

IT JAMILAH , YURNALIZA

2017

Jurnal internasional

Potential, Opportunities and Strategies (POS) of Rice Productivity through Integrated Pest Management in Tidal Land Paddy Percut, Sumatera Utara, Indonesia,

YURNALIZA , AMELIA ZULIYANTI SIREGAR

2022

Jurnal internasional bereputasi

Metabolites produced by endophytic fungi isolated from Hornstedtia scyphifera (J. Koenig) Steud. and their antioxidant activities

ERMAN MUNIR , YURNALIZA , SOVIA LENNY

2019

Jurnal internasional

Characterization of Crude DPEase (D-Psicose 3-Epimerase) from Recombinant Escherichia coli

YURNALIZA

2019

Jurnal internasional bereputasi

Antagonistic fungal endophytes colonizing rhizome of amomum centrocephalum A.D. Poulsen from North Sumatera, Indonesia

ERMAN MUNIR , YURNALIZA

2025

Jurnal internasional bereputasi

Purifying and Characterizing Cellulase from Bacteria Isolated from Gut of Oryctes rhinoceros

AHMAD FAISAL NASUTION , ERMAN MUNIR , YURNALIZA , DWI SURYANTO

2019

Artikel ilmiah

Records of Culturable Endophytic Fungi Inhabiting Rhizome of Elettaria in Hutan Sibayak, North-Sumatera

ERMAN MUNIR , YURNALIZA

2018

Artikel ilmiah

Potency of dye absorbtion of exopolysaccharide producing fungi isolated from

Gunung Barus North Sumatera, Indonesia

YURNALIZA , ERMAN MUNIR , NUNUK PRIYANI

2019

Artikel ilmiah

Antagonistic Endophytic Fungi of *Globba pendula* Roxb. from Taman Hutan Raya, North Sumatra against *Staphylococcus aureus* ATCC® 29213TM

ERMAN MUNIR , YURNALIZA

2019

Prosiding seminar internasional

Total Phenolic Content of Oil Palm Roots (*Elaeis Guineensis* Jacq.) As Preliminary Health Indicators in Oil Palm Plantation

ISNAINI NURWAHYUNI , SOVIA LENNY , YURNALIZA

2023

Jurnal internasional bereputasi

Diversity of Cellulolytic Bacteria from the Digestive Tract of *Oryctes rhinoceros* Larvae

AHMAD FAISAL NASUTION , ERMAN MUNIR , DWI SURYANTO , YURNALIZA , ANTHONI AGUSTIEN

2025

Monograf

Aktinomisetes kitinolitik: pengendali jamur patogen *Fusarium oxysporum*

YURNALIZA

2025

Prosiding seminar internasional

Potential of bacteria from mangrove forest sediment in degrading low density polyethylene

YURNALIZA , ERMAN MUNIR , INDAHATI MUALIFAH QAWAKIB , OKY KUSUMA ATNI

2020

Prosiding seminar nasional

Peningkatan produksi petani Jamur Tiram dengan teknik kultur di Kota Medan

LIANA DWI SRI HASTUTI , YURNALIZA , RIYANTO SINAGA

2018

Prosiding seminar internasional

An ability of endophytic bacteria from nutgrass (*Cyperus rotundus*) from lafau beach of north nias in producing indole acetic acid and in solubilizing phosphate

YURNALIZA , DWI SURYANTO

2022

Jurnal nasional terakreditasi

Sleep Late Impact on The Salivary pH Levels and Amylase Activity among Male Students who has Different BMI Category

YURNALIZA

2020

Prosiding seminar internasional

The Utilization of Organic Waste into Fermented Goat Fodder in Tanjung Rejo Village, Deli Serdang Regency

YURNALIZA , MAYANG SARI YEANNY , SALEHA HANNUM

2022

Jurnal nasional terakreditasi

Effect of Incubation Time on Amylase Enzyme Activity in Cassava Tape

YURNALIZA , MARTHA YENI SRY HARTINI , WIRA RISA LINA SIMANJUNTAK , ADE SYAFITRI

2025

Prosiding seminar internasional

Screening antibiotic-producing actinomycetes from Lau Kawar lake in North Sumatera Province to inhibit methicillin resistant *Staphylococcus aureus*

(MRSA)

YURNALIZA , ERMAN MUNIR , CUCU SUMANTRI MANIK , RIZHANA RASEUKY , ANDINI JUNIASTI NASUTION , RIRIS ITA OLIVIA GULTOM

Researches

2018

Penelitian Dana Lokal Perguruan Tinggi

Karakterisasi dan populasi galur-galur *Aspergillus flavus* toksigen dan non-toksigen pada pakan unggas

YURNALIZA , KIKI NURTJAHJA

2019

Penelitian Dana Lokal Perguruan Tinggi

SKRINING JAMUR ENDOFIT PELARUT FOSFAT DAN PENGHASIL IAA ASAL ZINGIBERACEAE

YURNALIZA , ERMAN MUNIR

2014

Penelitian Fundamental

Skrining invitro antagonis *Trichoderma* spp. indigenous Sumatera Utara dengan jamur Busuk Putih parasit Tanaman Kelapa Sawit, Karet dan Kakao

YURNALIZA , KIKI NURTJAHJA

2014

Penelitian Fundamental

Skrining invitro antagonis *Trichoderma* spp. indigenous Sumatera Utara dengan jam

YURNALIZA , KIKI NURTJAHJA

2017

Penelitian Dana Lokal Perguruan Tinggi

Seleksi Jamur Ascomycetes Endofit peghasil Eksopolisakarida dari Tanaman Kelapa Sawit

YURNALIZA , IT JAMILAH

2024

Potensi probiotik bakteri asam laktat asal lobster *Panulirus* sp. dan viabilitasnya dalam media prebiotik berbasis tepung porang sebagai pakan udang

YURNALIZA , VERRY ANDRE FABIANI , ZULFARINA , RAHMAD LINGGA , PUTRI SUCI AKBARINI , NURJANAH

2018

Penelitian Unggulan Perguruan Tinggi

UPAYA REKAYASA EKSUDAT DAN METABOLIT AKAR KELAPA SAWIT DENGAN BAKTERI DIAZOTROP SEBAGAI ALTERNATIF PENGENDALIAN JAMUR PATOGEN *Ganoderma boninense*

YURNALIZA , ISNAINI NURWAHYUNI , SOVIA LENNY

2017

Penelitian Dana Lokal Perguruan Tinggi

SKRINING JAMUR ENDOFIT BERPOTENSI PENGHASIL ANTIMIKROBA DARI FAMILI ZINGIBERACEAE

YURNALIZA , ERMAN MUNIR

2025

Penelitian Fundamental

Potensi Metabolit Sekunder dan Nanopartikel Perak Berbasis Limbah Teh dan *Rhizobium* untuk Pengendalian *Ganoderma boninense* pada Kelapa Sawit

NUNUK PRIYANI , YURNALIZA , KIKI NURTJAHJA , DEFORMAN MENDROFA , KHALIFATUL ILMI , DESI WULANDARI

2021

Penelitian Dana Lokal Perguruan Tinggi

Uji efektivitas Antimikroba Metabolisme isolat *Pediococcus pentosaceus* Strain N6 Sebagai alternatif antibiotik alami pada ayam

NUNUK PRIYANI , YURNALIZA

2019

Penelitian Unggulan Perguruan Tinggi

UPAYA REKAYASA EKSUDAT DAN METABOLIT AKAR KELAPA SAWIT DENGAN BAKTERI DIAZOTROP SEBAGAI ALTERNATIF PENGENDALIAN JAMUR PATOGEN *Ganoderma boninense*

YURNALIZA , ISNAINI NURWAHYUNI , SOVIA LENNY

2022

Penelitian Dana Lokal Perguruan Tinggi

Bioprospeksi Aktinomisetes Asal Sumatera Utara Penghasil Antibiotik baru Penghambat Methicilin Resistant *Staphylococcus Aureus* (MRSA)

YURNALIZA , ERMAN MUNIR

2018

Pendidikan Magister Doktor Sarjana Unggul

Isolasi dan karakterisasi Senyawa Metabolit Jamur Endofit Zingiberaceae serta Aplikasi Melalui Rekombinan Genetik

YURNALIZA , ERMAN MUNIR , ANISA LUTFIA

2025

Riset Andalan Perguruan Tinggi dan Industri

PENGEMBANGAN SISTEM PRODUKSI BIBIT KENTANG MERAH ASAL KARO BEBAS VIRUS MELALUI PENDEKATAN MIKROTUBE BIOREAKTOR DAN AEROPONIK GO

ADELIA FEBRIYOSSA , SIMON DUVE , HEPPY SETYA PRIMA , YURNALIZA , ERI MUSTARI , DIKY SETYA DININGRAT , SELVIA DEWI POHAN

2013

Penelitian Disertasi Doktor

Efektifitas Kolonisasi dan Respon Tanaman Kelapa Sawit Terhadap Jamur Endofit

YURNALIZA

2018

Penelitian Dana Lokal Perguruan Tinggi

KARAKTERISASI DAN POPULASI GALUR-GALUR *ASPERGILLUS FLAVUS* TOKSIGEN DAN NON-TOKSIGEN PADA PAKAN UNGGAS

YURNALIZA , KIKI NURTJAHJA

Community Services

2023

Ipteks Bagi Masyarakat

Penerapan Teknologi Tepat Guna Pengikis Bulu Pada Kulit Sapi Untuk Meningkatkan Produktivitas UD. Sari Jangek

YURNALIZA , BUCHARI , JULIZA HIDAYATI , YONGKI PERMANA , TIURMATARIDA PANJAITAN , RIZKY ADINDA

2025

Pengelolaan Lingkungan Sehat, Bersih dan Nyaman dengan Penerapan Teknologi Proses Pengolahan Sampah Menjadi Produk Komersial dan Pemanfaatan Eco Enzym Menjadi Produk Sabun Padat Untuk Meningkatkan Pendapatan Masyarakat Desa Padang Tualang Kecamatan Padang Tualang, Kabupaten Langkat

ERNI MISRAN , RISMA FAZILLAH , DINI WAHYUNI , YURNALIZA , OZIE AKBAR PRATAMA , RAHAYU LUBIS , JULIZA HIDAYATI , ROSDANELLI HASIBUAN , MUHAMMAD HENDRA S GINTING

2024

Kegiatan Program Pengelolaan Lingkungan Sehat, Bersih dan Nyaman dengan

Penerapan Teknologi Proses Pengolahan Sampah Menjadi Produk Komersial Untuk Meningkatkan Pendapatan Masyarakat serta Penguatan Upaya Kesehatan Kerja Petani Pembibitan Tanaman Holtikultura di Desa Klambir Kecamatan Pantai Labu Kabupaten Deli Serdang

YURNALIZA , ROSDANELLI HASIBUAN

2018

Ipteks Bagi Masyarakat

Pemanfaatan Jerami Padi Menjadi Pupuk dan Pakan Ternak di Desa Tanjung Rejo Kabupaten Deli Serdang

TERNALA ALEXANDER BARUS , YURNALIZA

Intellectual Property Rights

2025

Paten nasional

PROSES ISOLASI ACTINOMYCETES

YURNALIZA

2025

Paten nasional

SISTEM AEROPONIK TEKANAN DENGAN KONTROL DROPLET UNTUK PRODUKSI MINITUBER KENTANG BERKUALITAS

YURNALIZA
