Prof. Dr. Yurnaliza, S.Si., M.Si.

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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

2026
Jurnal internasional bereputasi

Probiotic potential of indigenous lactic acid bacteria isolated from spiny lobster (Panulirus sp.)

RAHMAD LINGGA , VERRY ANDRE FABIANI , ZULFARINA , NURZAIDAH PUTRI DALIMUNTHE , YURNALIZA

2026
Prosiding seminar internasional

Biocontrol Potential of Pseudomonas sp. LB14 Against Anthracnose Disease in Chili Pepper (Capsicum annuum L.)

YURNALIZA , DWI SURYANTO , INGRID SIHOMBING , LAILIA NABILA LARASATI , NURUL AFRIYANI SIREGAR

2025
Jurnal internasional bereputasi

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

AHMAD FAISAL NASUTION , ERMAN MUNIR , YURNALIZA , DWI SURYANTO

2025
Jurnal nasional terakreditasi

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

YURNALIZA , ERMAN MUNIR , NIKEN SIMANJUNTAK

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

2025
Monograf

Aktinomisetes kitinolitik: pengendali jamur patogen Fusarium oxysporum

YURNALIZA

2025
Artikel ilmiah

Decolorization potential of laccase producing fungi isolated from forest floor

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

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

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

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

2024
Jurnal internasional bereputasi

Screening of indigenous methicillin-resistantStaphylococcus 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

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

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

2023
Jurnal internasional bereputasi

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

ERMAN MUNIR , YURNALIZA , AHMAD FAISAL NASUTION , DWI SURYANTO

2023
Prosiding seminar nasional

Screening of Phosphate-Solubilizing Fungi from Oil Palm Rhizosphere

YURNALIZA , NUNUK PRIYANI

2023
Jurnal internasional bereputasi

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

YURNALIZA , KIKI NURTJAHJA

2022
Prosiding seminar internasional

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

ERMAN MUNIR , DWI SURYANTO , YURNALIZA

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

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

2022
Jurnal nasional terakreditasi

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

YURNALIZA

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

2022
Jurnal nasional terakreditasi

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

YURNALIZA

2022
Jurnal nasional terakreditasi

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

YURNALIZA

2022
Jurnal nasional terakreditasi

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

YURNALIZA , ISNAINI NURWAHYUNI

2022
Jurnal internasional bereputasi

Isolation and Characterization of Phosphate Solubilizing Activity of Endophytic Fungi from Zingiberaceous Species

YURNALIZA , ERMAN MUNIR

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

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

2021
Jurnal nasional terakreditasi

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

YURNALIZA

2021
Prosiding seminar internasional

Antifungal activity and IAA production by endophytic fungi isolated from

Elettaria sp

ERMAN MUNIR , YURNALIZA

2021
Jurnal internasional bereputasi

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

YURNALIZA , IT JAMILAH

2021
Jurnal internasional bereputasi

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

MOHAMMAD BASYUNI , YURNALIZA , ERMAN MUNIR

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

2021
Jurnal internasional bereputasi

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

ERMAN MUNIR , YURNALIZA

2020
Prosiding seminar nasional

Peningkatan produksi petani Jamur Tiram dengan teknik kultur di Kota Medan

LIANA DWI SRI HASTUTI , YURNALIZA , RIYANTO SINAGA

2020
Jurnal internasional bereputasi

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

YURNALIZA , ERMAN MUNIR

2020
Jurnal internasional bereputasi

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

ISNAINI NURWAHYUNI , YURNALIZA , SOVIA LENNY

2020
Jurnal internasional bereputasi

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

ERMAN MUNIR , YURNALIZA

2020
Prosiding seminar internasional

Control of pests in saline paddy of Percut, Northern Sumatera

AMEILIA ZULIYANTI SIREGAR , YURNALIZA

2020
Jurnal internasional bereputasi

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

YURNALIZA

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

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

2020
Prosiding seminar internasional

Preliminary Screening of Antagonistic Fungal Endophytes from Zingiberaceae

ERMAN MUNIR , 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

2020
Prosiding seminar internasional

A Survey on Aspergillus chevalieri Infection Isolated from Poultry Feed

YURNALIZA , KIKI NURTJAHJA

2019
Artikel ilmiah

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

YURNALIZA , ERMAN MUNIR

2019
Jurnal internasional

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

YURNALIZA

2019
Jurnal internasional

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

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

2019
Artikel ilmiah

Antagonistic Endophytic Fungi of Hedychium coronarium J. Koenig from Hutan Sibayak and Taman Hutan Raya, North Sumatra against Staphylococcus aureus ATCCÃƒÆ’Ã¢â‚¬Å¡Ã‚Â® 29213TM

YURNALIZA , ERMAN MUNIR

2019
Artikel ilmiah

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

ERMAN MUNIR , YURNALIZA

2019
Artikel ilmiah

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

YURNALIZA , ERMAN MUNIR

2019
Artikel ilmiah

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

ERMAN MUNIR , YURNALIZA

2019
Prosiding seminar internasional

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

DWI SURYANTO , YURNALIZA

2019
Prosiding seminar internasional

Screening of antagonistic fungi from Etlingera littoralis (J.KÃ¶nig) Giseke rhizome in Sibolangit Forest, North Sumatra

MOHAMMAD BASYUNI , YURNALIZA , ERMAN MUNIR

2019
Jurnal internasional bereputasi

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

ERMAN MUNIR , YURNALIZA

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

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

2018
Prosiding seminar internasional

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

IT JAMILAH , YURNALIZA

2018
Prosiding seminar internasional

Decolorization of batik naphthol dye by local ligninolytic fungal isolates

ERMAN MUNIR , NUNUK PRIYANI , YURNALIZA

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

2018
Artikel ilmiah

Potency of dye absorbtion of exopolysaccharide producing fungi isolated from Gunung Barus North Sumatera, Indonesia

YURNALIZA , ERMAN MUNIR , NUNUK PRIYANI

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

2017
Jurnal internasional

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

YURNALIZA , AMEILIA ZULIYANTI SIREGAR

2017
Prosiding seminar internasional

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

HALIMATUDDAHLIANA , YURNALIZA

2017
Jurnal internasional bereputasi

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

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

2017
Prosiding seminar nasional

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

YURNALIZA

2017
Jurnal nasional

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

DWI SURYANTO , YURNALIZA

2017
Prosiding seminar internasional

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

YURNALIZA , HALIMATUDDAHLIANA

2014
Jurnal internasional

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

YURNALIZA

2011
Jurnal nasional terakreditasi

Kemampuan Kitinase Streptomyces RKt5 sebagai Antijamur terhadap Patogen Fusarium oxysporum

YURNALIZA

2011
Prosiding seminar nasional

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

NUNUK PRIYANI , YURNALIZA

2001
Artikel ilmiah

Senyawa Khitin Dan Kajian Aktivitas Enzim Mikrobial Pendegradasinya

YURNALIZA

Researches

2026
Penelitian Kerjasama Antar Perguruan Tinggi

PENGEMBANGAN SISTEM PRODUKSI BIBIT KENTANG MERAH ASAL KARO BEBAS VIRUS MELALUI PENDEKATAN MIKROTUBE BIOREAKTOR DAN AEROPONIK G0

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

2026
Riset Andalan Perguruan Tinggi dan Industri

PRODUKSI UMBI MIKRO KENTANG (Solanum tuberosum) MERAH BEBAS VIRUS UNTUK PENGUATAN KETAHANAN PANGAN SUMATERA UTARA

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

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 , DESI WULANDARI , DEFORMAN MENDROFA , KHALIFATUL ILMI

2025
Riset Andalan Perguruan Tinggi dan Industri

PENGEMBANGAN SISTEM PRODUKSI BIBIT KENTANG MERAH ASAL KARO BEBAS VIRUS MELALUI PENDEKATAN MIKROTUBE BIOREAKTOR DAN AEROPONIK G0

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

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

2022
Penelitian Dana Lokal Perguruan Tinggi

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

YURNALIZA , ERMAN MUNIR

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 Dana Lokal Perguruan Tinggi

SKRINING JAMUR ENDOFIT PELARUT FOSFAT DAN PENGHASIL IAA ASAL ZINGIBERACEAE

YURNALIZA , ERMAN MUNIR

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

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

2018
Penelitian Dana Lokal Perguruan Tinggi

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

YURNALIZA , KIKI NURTJAHJA

2018
Pendidikan Magister Doktor Sarjana Unggul

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

YURNALIZA , ERMAN MUNIR , ANISA LUTFIA

2018
Penelitian Dana Lokal Perguruan Tinggi

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

YURNALIZA , KIKI NURTJAHJA

2017
Penelitian Dana Lokal Perguruan Tinggi

Seleksi Jamur Ascomycetes Endofit peghasil Eksopolisakarida dari Tanaman Kelapa Sawit

YURNALIZA , IT JAMILAH

2017
Penelitian Dana Lokal Perguruan Tinggi

SKRINING JAMUR ENDOFIT BERPOTENSI PENGHASIL ANTIMIKROBA DARI FAMILI 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

2013
Penelitian Disertasi Doktor

Efektifitas Kolonisasi dan Respon Tanaman Kelapa Sawit Terhadap Jamur Endofit

YURNALIZA

Community Services

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

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

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

SISTEM AEROPONIK TEKANAN DENGAN KONTROL DROPLET UNTUK PRODUKSI MINITUBER KENTANG BERKUALITAS

YURNALIZA

2020

Paten nasional

PROSES ISOLASI ACTINOMYCETES

YURNALIZA