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Drs. Nursal, M.Si. was born in Medan on September 3, 1961. He is a Lecturer in Biology at Universitas Sumatera Utara. He completed his Master's Program in Biology at ITB in 1996.

Publications

2026
Jurnal nasional terakreditasi

FGD on Optimizing Corn Chip Production: Implementation of Innovative Equipment Technology in Corn Chip SMEs 513

MUHAMMADIN HAMID , NURSAL , NAUFAL SYAWA NUGROHO , SHAFA MARSYA ISMAYNA , NAYSA AMANDA , SALSABILA , Prof. Dr. Ahmad Zaharin Aris , MISWAR BUDI MULYA

2026
Jurnal nasional terakreditasi

Strengthening the Resilience of the Siponjot Village Community through Non-Formal Education and Planting Productive Trees for Disaster Mitigation and Welfare Improvement

MUHAMMADIN HAMID , SYAHRUL HUMAIDI , NURSAL

2026
Jurnal internasional bereputasi

Optimization of L-cysteine as a nitrogen and sulfur source in carbon dots synthesized from shrimp shells as supercapacitor electrodes

MUHAMMADIN HAMID , SYAHRUL HUMAIDI , NURSAL , Noor Haida Mohd Kaus

2026
Jurnal internasional bereputasi

Cobalt-doped ZnFe2O4 synthesized by co-precipitation for tempeh wastewater treatment

MUHAMMADIN HAMID , NURSAL , Noor Haida Mohd Kaus

2026
Jurnal internasional bereputasi

Development of carbon nanodots from durian waste incorporated with first-row transition metals for efficient degradation of microplastics in oral care products

SUSILAWATI , MUHAMMADIN HAMID , NURSAL

2025
Jurnal nasional terakreditasi

Smart Waste Management for Healthy Communities: Impactful Renewable Energy Innovations in Bekiung Village

MUHAMMADIN HAMID , M. SABRI , NURSAL

2025
Jurnal nasional terakreditasi

The Impact of River Water Quality on Women's Health in Blankahan Village: Physico-Chemical Analysis and Social Health Analysis

MUHAMMADIN HAMID , NURSAL

2025
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Assessment of Stream Quality and Health Risks in Indonesian River Systems: A Social Analysis and Water Quality Index Approach

MUHAMMADIN HAMID , NURSAL , Lutfi Chabib

2024
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Optimization of g-C3N4 nanoparticles on structural, morphological, and optical properties as organic pollutants adsorbent in glycerin

NURSAL , INDAH REVITA SARAGI , MUHAMMADIN HAMID

2024
Jurnal nasional terakreditasi

Developing Graphitic Carbon Nitride for Effective Treatment of Organic Pollutants in Industrial Water

NURSAL , MUHAMMADIN HAMID , INDAH REVITA SARAGI

2024
Jurnal nasional terakreditasi

Feeding Activity of Heliotis armigera Hubner Larvae on Food Formulated with Ethanol Extracts of Bitter Melon Leaves (Momordica charantia L.), Galangal Leaves (Lactuna indica L.) and Adjuvant Agrestic

NURSAL

2023
Jurnal nasional terakreditasi

The Production of Salted-Egg With Low Levels of Sodium and Cholesterol

NURSAL , SYAFRUDDIN ILYAS

2022
Prosiding seminar internasional

The Influence of the Ethanol Extract of Bitter Vine (Mikania micrantha Kunth.) on the Mortality, the Hatchability of the Eggs and the Larval Growth of Aedes aegypti Linn.

SYAFRUDDIN ILYAS , NURSAL

2021
Jurnal nasional terakreditasi

Diversity of Insect Pests in Plants of Coffee (Coffea arabica L.) in Sigumpar, Humbang Hasundutan, North Sumatera

NURSAL

2020
Prosiding seminar internasional

The Influence of the Ethanol Extracts of Numerous Plants on the Development and Efficiency of the Nourishment Intake of the Fifth Instar Larvae of Heliothis Armigera Hubner

SYAFRUDDIN ILYAS , NURSAL

2019
Jurnal internasional

The Egg Hatchability and the Development of Aedes aegypti Mosquitoes in Ethanol Extracts of the Leaves of Bitter Melon (Momordica charantia L.) and Basil (Ocimum basilicum L.)

NURSAL

2019
Jurnal internasional bereputasi

The Effectiveness of Botanical Insecticides of Four Plant Types and Adjuvants on Nutrition Index of The Fifth Instar Larvae of Heliothis Armigera Hubner

SYAFRUDDIN ILYAS , NURSAL

2018

Jurnal internasional

The effectiveness of dichloromethane extract of various plants on eggs hatchability, and life cycle of Aedes aegypti L. mosquitoes

NURSAL

2018
Jurnal internasional bereputasi

Species and prevalence of endoparasites on the feces of sambar deer (Cervus unicolor) and spotted deer (Axis-axis) in conservation Universitas Sumatera Utara

NURSAL

2016
Jurnal internasional bereputasi

Apoptosis overview of cerebellum Purkinje cell in mice (Mus musculus L.) after exposure to methanol extract of the seeds of bitter melon (Momordica charantia) and DMPA

NURSAL

2013
Jurnal nasional

Pengaruh kualitas daun murbei Morus multicaulis terhadap indeks nutrisi ulat sutera Bombyx mori L. (lepidoptera:Bombicidae)

NURSAL

Researches

2025
Penelitian Dana Lokal Perguruan Tinggi

Transition Metal Doped Carbon NanoDots Derived from Durian Waste for Microplastic Degradation on Toothpaste

MUHAMMADIN HAMID , SUSILAWATI , NURSAL , Isnaeni

2023
Penelitian Kerjasama Antar Perguruan Tinggi

Pembuatan Pupuk Cair Otomatis Berdasarkan Kualitas Tanah Menggunakan Metode Kantong Teh

NURSAL , JANE ELNOVRENY

2021

Variasi Perubahan Kualitas Lingkungan Di Lanskap Kota Medan Terhadap Dinamika Populasi Nyamuk Aedes aegypti Dan Potensi Waktu Penyebaran Penyakit Demam Berdarah Dengue (DBD)

NURSAL , ARLEN H J

2020
Penelitian Dana Lokal Perguruan Tinggi

Keanekaragaman Makrofauna Tanah Sebagai Bioindikator Kualitas Tanah Pada Areal Kebun Kelapa Sawit Yang Di Beri Pupuk Dengan Limbah Cair Kelapa Sawit

NURSAL , ARLEN H J

2020

Formulasi Insektisida Botani Ekstrak Etanol, Dikhlometan Daun Pare (Momordica charantia L.), Daun Lengkuas (Lactuca indica L.) Dan Adjuvant Agristik Terhadap Toksisitas Dan Pertumbuhan Serangga Hama Heliothis armigera Hubner

NURSAL , ARLEN H J

2018

EVALUASI BEBERAPA TUMBUHAN YANG DIGUNAKAN PETANI SEBAGAI INSEKTISIDA BOTANI DALAM PENGENDALIAN HAMA PADA SISTEM

PERTANIAN ORGANIK DI TANAH KARO

NURSAL , SYAFRUDDIN ILYAS

2015
Penelitian Hibah Bersaing

Pengaruh Kontraseptif Ekstrak Metanol Biji Pare(Momordica charantia)dan Depot Me

SYAFRUDDIN ILYAS , NURSAL

2013
Penelitian Hibah Bersaing

PENGARUH KONTRASEPTIF EKSTRAK METANOL BIJI PARE (Momordica charantia) DAN DEPOT MEDROKSIPROGESTERON ASETAT (DMPA) PADA TIKUS PUTIH (Rattus sp.)

SYAFRUDDIN ILYAS , NURSAL

Community Services

2026
Ipteks Bagi Masyarakat

FGD Penguatan Ketangguhan Masyarakat Desa Siponjot Melalui Pendidikan Non-Formal Dan Penanaman Pohon Produktif Untuk Mitigasi Bencana Dan Peningkatan Kesejahteraan

MUHAMMADIN HAMID , SYAHRUL HUMAIDI , NURSAL , NAZWA ARMI

2025
Ipteks

Smart Waste Management for Healthy Communities: Inovasi Energi Terbarukan yang Berdampak Untuk Desa Bekiung

M. SABRI , MUHAMMADIN HAMID , NURSAL , HANAFI PRAYOGO , NAZWA ARMI

2024
Ipteks Bagi Masyarakat

Optimizing GC3N4 Synthesis For Enhanced Photocatalytic Degradation Of Organic Pollutants

MUHAMMADIN HAMID , INDAH REVITA SARAGI , NURSAL

2023

PEMANFAATAN LIMBAH KELAPA MUDA MENJADI BARANG YANG BERDAYA GUNA MELALUI PEMBERDAYAAN IBU-IBU RUMAH TANGGA

SYAFRUDDIN ILYAS , NURSAL , WISUDA TRI WASTUTI , MUHAMMAD FAUZAN HELMY , ADELA INDRIANI , NOOR SITI LOENNA HASIBUAN , RISKA DAMAYANTI NADEAK , Rahmayanti, A.Md.Keb

2021
Ipteks Bagi Masyarakat

PENGEMBANGAN USAHA PRODUKSI MENCIT (Mus musculus L.) dan TIKUS PUTIH (Rattus norvegicus) TERSERTIFIKASI SEBAGAI UPAYA PEMENUHAN KEBUTUHAN HEWAN LABORATORIUM

SYAFRUDDIN ILYAS , NURSAL , ahmad sururi siregar

2013
Penelitian Hibah Bersaing

Pengaruh Kontraseptif Ekstrak Metanol Biji Pare(Momordica charantia)dan Depot Me

2012
Ipteks Bagi Masyarakat

Pelatihan Pembuatan Sabun Colek, Sabun Cair Dan Cairan Pembersihan Lantai Dalam Skala Kecil Dan Menengah Di Pangkalan Susu Kabupaten Langkat

CUT FATIMAH ZUHRA , YUGIA MUIS , SAHARMAN GEA , SUTARMAN , AMIR HAMZAH SIREGAR , DARWIN YUNUS NASUTION , NURSAL , MARPONGAHTUN

Intellectual Property Rights

2018
Hak cipta nasional

Kupu-Kupu Rhopalocera di Taman Nasional Gunung Leuser Kawasan Pusat Penelitian Orangutan Sumatera Bukit Lawang Kabupaten Langkat

NURSAL , ARLEN H J