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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

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

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

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

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 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

2026

Jurnal internasional bereputasi

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

treatment

MUHAMMADIN HAMID , NURSAL , Noor Haida Mohd Kaus

2013

Jurnal nasional

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

NURSAL

2025

Jurnal nasional terakreditasi

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

MUHAMMADIN HAMID , M. SABRI , NURSAL

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

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

Jurnal internasional bereputasi

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

MUHAMMADIN HAMID , NURSAL , Lutfi Chabib

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 , NURSAL , MUHAMMADIN HAMID

2018

Jurnal internasional

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

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

Researches

2018

EVALUASI BEBERAPA TUMBUHAN YANG DIGUNAKAN PETANI SEBAGAI

INSEKTISIDA BOTANI DALAM PENGENDALIAN HAMA PADA SISTEM PERTANIAN ORGANIK DI TANAH KARO

NURSAL , SYAFRUDDIN ILYAS

2023

Penelitian Kerjasama Antar Perguruan Tinggi

Pembuatan Pupuk Cair Otomatis Berdasarkan Kualitas Tanah Menggunakan Metode Kantong Teh

NURSAL , JANE ELNOVRENY

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

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

2015

Penelitian Hibah Bersaing

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

SYAFRUDDIN ILYAS , NURSAL

2017

Efektivitas Beberapa Tanaman Berpotensi Sebagai Insektisida Botani Dalam Pengendalian Nyamuk *Aedes aegypti* L.

MAYANG SARI YEANNY , 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

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

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

Community Services

2021

Ipteks Bagi Masyarakat

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

2023

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

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

2013

Penelitian Hibah Bersaing

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

2025

Ipteks

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

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

Intellectual Property Rights

2016

Hak cipta nasional

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

NURSAL , ARLEN H J
