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Prof. Dr.rer.nat. Effendy De Lux Putra, SU, Apt is a Professor at the Faculty of Pharmacy, Universitas Sumatera Utara. He earned his Bachelor's degree in Pharmacy from Universitas Sumatera Utara in 1982, obtaining the title Doktorandes. He continued his Master's studies at Universitas Gadjah Mada and completed the program in 1988.

For his Doctoral degree, Prof. Effendy pursued his studies at Julius Maximilians Universität Würzburg, Germany, where he was awarded the degree Doktorin Der Naturwissenschaften (Dr.rer.nat.) in 1994. His extensive academic experience both domestically and internationally has made him a highly respected figure in the field of pharmacy and higher education in Indonesia.

Publications

2026

Jurnal internasional bereputasi

Eco-friendly one-pot synthesis of silver nanoparticles via microwave irradiation using Artocarpus camansi extract: Characterization, antioxidant, and antibacterial applications

TRIANA HERTIANI , SYUKUR BERKAT WARUWU , SITI MORIN SINAGA , RIKA HARTATI , DENNY SATRIA , EFFENDY DELUX PUTRA , Abdi Wira Septama , Nina Ashariani Siregar

2025

Jurnal nasional

Skrining Fitokimia, Profil Kromatografi Lapis Tipis dan Karakterisasi FTIR Ekstrak Etanol Daun Rambutan (Nephelium lappaceum L.)

SUPRIANTO , SAMRAN , EFFENDY DELUX PUTRA , SITI NURBAYA , ADINDA SEFTIA

2025

Prosiding seminar internasional

Effect of MAE extract on reduction of RAW 264.7 cell apoptosis induced with lipopolysaccharide

MAHATIR MUHAMMAD , YUANDANI , EFFENDY DELUX PUTRA , DENNY SATRIA

2025

Jurnal internasional bereputasi

Application of the Ratio Subtraction Ultraviolet Spectrophotometry Method for Simultaneous Quantification of B1, B2, B3, B6, and B12 Vitamins in Health Supplement Syrups

M. DEDDY HARFIANSYAH , SITI MORIN SINAGA , EFFENDY DELUX PUTRA , HENNI CINTYA

2025

Jurnal internasional bereputasi

COMPUTATIONAL INVESTIGATION OF THE INHIBITION OF CHK1 AND WEE1 PROTEINS BY CHEMICAL CONSTITUENTS OF AMARANTHUS GANGETICUS

HENNY SRI WAHYUNI , ADE SRI ROHANI , EFFENDY DELUX PUTRA , NAZLINIWATY , CELINE AULETTA , TIARA RASYIDA

2025

Prosiding seminar internasional

Integrated HPLC Optimization for Six-Additive Quantification in Commercial

Syrups

SITI MORIN SINAGA , DARYONO HADI TJ , SUPRIANTO , EFFENDY DELUX PUTRA

2025
Jurnal nasional

Validasi Metode Penetapan Kadar Monosodium Glutamat pada Mie Ayam dengan Spektrofotometri UV-Vis Setelah Derivatisasi Ninhidrin

EFFENDY DELUX PUTRA , SUPRIANTO , SAMRAN , SITI NURBAYA , SUMARDI , DEBI MEILANI

2025
Jurnal internasional bereputasi

Development of Fourier Transform Infrared Spectrophotometric Method for Quantification of Simvastatin, Atorvastatin, and Rosuvastatin in Marketed Tablet Preparations

NILSYA FEBRIKA ZEBUA , NERDY , SYARIFAH NADIA , EFFENDY DELUX PUTRA , TEDY KURNIAWAN BAKRI

2025
Jurnal internasional bereputasi

Utilization of Artocarpus altilis leaf extract for silver nanoparticle synthesis: Comparative antioxidant and antibacterial evaluation with water extract

EFFENDY DELUX PUTRA , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA

2025
Jurnal nasional terakreditasi

OPTIMIZED HPLC METHOD FOR SIMULTANEOUS DETERMINATION OF ARTIFICIAL SWEETENERS, PRESERVATIVES, AND CAFFEINE IN CARBONATED SOFT DRINKS

AMINAH DALIMUNTHE , SITI MORIN SINAGA , EFFENDY DELUX PUTRA , NASRI

2025
Jurnal nasional terakreditasi

Edukasi dan Pelatihan Pengolahan Ikan Kembung Selar Dalam Rangka Pencegahan Stunting

EFFENDY DELUX PUTRA , EMIL SALIM , HENNY SRI WAHYUNI , BAYU EKO PRASETYO

2025
Jurnal nasional terakreditasi

Simultaneous quantification of B-complex vitamins in tablet dosage form by ultraviolet spectrophotometry using the absorption factor method

M. DEDDY HARFIANSYAH , EFFENDY DELUX PUTRA , SITI MORIN SINAGA

2025
Jurnal nasional terakreditasi

Penerapan Sanitasi dan Higienis dalam Pembuatan Jamu Gendong di Kota Tebing Tinggi

SUPRIANTO , EFFENDY DELUX PUTRA , SUMARDI , SITI NURBAYA , SAMRAN

2025
Jurnal internasional bereputasi

Biosynthesis and biological activity of silver nanoparticles from Zanthoxylum acanthopodium fruits

EFFENDY DELUX PUTRA , DENNY SATRIA , MAHATIR MUHAMMAD , PANAL SITORUS

2024
Jurnal internasional

Simultaneous determination of vitamins B1, B2, B3, B6, and B12 in tablet forms using the area under the curve ultraviolet spectrophotometry method

M. DEDDY HARFIANSYAH , EFFENDY DELUX PUTRA , SITI MORIN SINAGA

2024
Jurnal nasional terakreditasi

PELATIHAN DAGUSIBU SEBAGAI UPAYA PENINGKATAN PEMAHAMAN TENTANG OBAT PADA MASYARAKAT DESA BIRU-BIRU KECAMATAN SIBIRU-BIRU

EMIL SALIM , WAHIDAH RAMADHANI MANURUNG , MUHAMMAD DAFFA AL-KHAIRI , EFFENDY DELUX PUTRA , THOMI BAIHAKI HIJRIYAN , HENNY SRI WAHYUNI , BAYU EKO PRASETYO

2024

Jurnal nasional terakreditasi

Edukasi dan Pelatihan Pembuatan Makanan Sehat dari Ikan Nila Untuk Pencegahan Stunting di Kecamatan Biru-Biru, Deli Serdang

LIA LAILA , EFFENDY DELUX PUTRA , BAYU EKO PRASETYO , HENNY SRI WAHYUNI

2023

Prosiding seminar internasional

Adsorbent Activity of Pectin and Activated Charcoal from Pineapple Peel Waste as Biosorbent against Heavy Metals and Dyes

NERDY , EFFENDY DELUX PUTRA

2022

Prosiding seminar internasional

Analysis of carbohydrate, protein and fat levels using various type rice with different cooking process

MAHATIR MUHAMMAD , EFFENDY DELUX PUTRA , HENNI CINTYA

2022

Jurnal internasional

Determination of Vitamin C and Antioxidant Activity in Fresh Red Guava (Psidium guajava) and Red Guajava Commercial Fruit Juices

EFFENDY DELUX PUTRA , SITI MORIN SINAGA

2022

Jurnal nasional terakreditasi

EDUKASI PEMANFAATAN TANAMAN HERBAL BAGI KESEHATAN DI DESA LIANG PEMATANG KABUPATEN DELI SERDANG

EFFENDY DELUX PUTRA , BAYU EKO PRASETYO , HENNY SRI WAHYUNI

2022

Jurnal internasional bereputasi

In Silico Studies of Sesquiterpene Lactones from Vernonia amygdalina Delile on the Expression of EGFR and VEGFR as a New Anticancer Potential

NERDY , FIRDAUS FAHDI , EFFENDY DELUX PUTRA , TEDY KURNIAWAN BAKRI , PUJI LESTARI

2021

Jurnal nasional terakreditasi

Development of Fourier transform infrared spectrophotometric method for identification and determination of marketed metamizole tablet preparation

NILSYA FEBRIKA ZEBUA , NERDY , EFFENDY DELUX PUTRA

2020

Koran/majalah populer/majalah umum

Aplikasi Pengembangan Metode Spektrofotometri UV-Vis pada Analisis Simultan Isoniazid (INH) dan Vitamin B6 di dalam Sediaan Tablet

MUCHLISYAM , EFFENDY DELUX PUTRA , LISDA RIMAYANI NASUTION

2020

Jurnal internasional

Development and Validation High Performance Liquid Chromatography Metyods (HPLC) Analysis For Simultaneous Determination of Acetaminophenen, Prophyphenazone and Caffein.

SITI MORIN SINAGA , EFFENDY DELUX PUTRA

2020

Jurnal internasional bereputasi

QUANTIFICATION OF ISOORIENTIN IN THREE VARIETIES OF PASSION FRUIT PEEL ETHANOLIC EXTRACT BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY MASS SPECTROMETRY

NERDY , EFFENDY DELUX PUTRA

2018

Jurnal internasional

Simultaneous Spectrophotometric Determination of Paracetamol,

Propyphenazone and Caffeine by Using Absorption Ratio Method

SITI MORIN SINAGA , EFFENDY DELUX PUTRA

2018

Jurnal internasional

Analysis of Arsenic in Infant Rice Cereals by Inductively Coupled Plasma Mass Spectrometry

EFFENDY DELUX PUTRA , SITI MORIN SINAGA

2018

Jurnal internasional

Simultaneous estimation of isoniazid and pyridoxine hydrochloride in tablet dosage form by spectrophotometry ultraviolet with area under curve method

EFFENDY DELUX PUTRA , MUCHLISYAM , LISDA RIMAYANI NASUTION

2017

Jurnal internasional

Optimization of Volume Void and Wavelengths at Simultaneous Determination Method Development of Sweeteners, Preservatives and Dyes by UFLC

SITI MORIN SINAGA , EFFENDY DELUX PUTRA

2014

Jurnal internasional

Effect of Taking Virgin Coconut Oil to the Breast Milk Secretion and Inspection of Medium Chain Fatty Acids Contain

EFFENDY DELUX PUTRA , SITI MORIN SINAGA

2014

Jurnal internasional bereputasi

Antibacterial activity of hydrolyzed virgin coconut oil

YADE METRI PERMATA , EFFENDY DELUX PUTRA , JANSEN SILALAH

Researches

2025

Penelitian Dana Lokal Perguruan Tinggi

PENGEMBANGAN KANDIDAT ANTIINFLAMASI DARI DAUN GAGATAN HARIMAU (Ampelocissus thyrsoiflora): VALIDASI BIOAKTIVITAS DENGAN PENDEKATAN BIOINFORMATIKA DAN IN VITRO BERBASIS SEL

NASRI , EFFENDY DELUX PUTRA , HENNY SRI WAHYUNI , Dr. apt. Bantari Wisynu Kusuma Wardhani, M.Biomed

2024

Penelitian Fundamental

STUDI IN SILICO TERHADAP PROTEIN CHK1 DAN WEE1 SERTA POTENSI ANTIKANKER DARI EKSTRAK BAYAM MERAH (Amaranthus gangeticus)

NAZLINIWATY , ADE SRI ROHANI , EFFENDY DELUX PUTRA , HENNY SRI WAHYUNI

2023

Penelitian Dosen Pemula

STUDI IN SILICO TERHADAP PROTEIN CHK1 DAN WEE1 SERTA POTENSI ANTIKANKER DARI EKSTRAK BAYAM MERAH (Amaranthus gangeticus)

ADE SRI ROHANI , EFFENDY DELUX PUTRA , HENNY SRI WAHYUNI

2022

Penelitian Unggulan Perguruan Tinggi

SINTESIS DAN KARAKTERISASI NANOPARTIKEL PERAK EKSTRAK ETANOL DAUN AFRIKA (Vernonia amygdalina Delile.) SERTA PENGUJIAN AKTIVITAS ANTIBAKTERI, ANTIJAMUR, ANTIOKSIDAN, ANTIKANKER DAN EFEK PENYEMBUHAN LUKA

EFFENDY DELUX PUTRA , HENNI CINTYA , MAHATIR MUHAMMAD

2022

AKTIVITAS ANTIBAKTERI DAN ANTIOKSIDAN NANOPARTIKEL PERAK DAUN

SUNGKAI (*Peronema canescens* Jack.) DAN HERBA POGUNTANO (*Picria fel-terrae* Lour.)

EFFENDY DELUX PUTRA , HENNY SRI WAHYUNI , MAHATIR MUHAMMAD , ANGGA RAFA MAHARDIKA , MIFTAHUR RAIHAN HASIBUAN , ISNADIA UTAMI

2022

Penelitian Hibah Bersaing

AKTIVITAS ANTIBAKTERI DAN ANTIOKSIDAN NANOPARTIKEL PERAK DAUN SUNGKAI (*Peronema canescens* Jack.) DAN HERBA POGUNTANO (*Picria fel-terrae* Lour.)

EFFENDY DELUX PUTRA , HENNY SRI WAHYUNI , MAHATIR MUHAMMAD

2022

KAJIAN AKTIVITAS IMUNOMODULATOR EKSTRAK KURKUMINOID DARI RIMPANG KUNYIT (*Curcuma domestica* Vahl.) DENGAN PELARUT MINYAK KELAPA BERBASIS GREEN EXTRACTION

YUANDANI , EFFENDY DELUX PUTRA , MAHATIR MUHAMMAD

2019

PEMERIKSAAN KANDUNGAN ISOORIENTIN KULT BUAH MARKISA SECARA KROMATOGRAFI CAIR KINERJA TINGGI SPEKTROMETRI MASSA DAN PENGUJIAN AKTIVITAS ANTIBAKTERI TERHADAP BAKTERI MENINGITI

NAZLINIWATY , EFFENDY DELUX PUTRA

Community Services

2025

Ipteks Bagi Masyarakat

Edukasi dan Pengembangan Smart Eco-enzyme sebagai Produk Pembersih dan Obat Herbal Berbasis Bioteknologi untuk Kesehatan dan Kelestarian Lingkungan

DADANG IRFAN HUSORI , EFFENDY DELUX PUTRA , MAHATIR MUHAMMAD

2023

Ipteks Bagi Masyarakat

PELATIHAN BUDAYA SADAR OBAT MELALUI DAGUSIBU BAGI MASYARAKAT DESA BIRU-BIRU KECAMATAN SIBIRU-BIRU SEBAGAI KADER KESEHATAN KELUARGA

BAYU EKO PRASETYO , EFFENDY DELUX PUTRA , EMIL SALIM , HENNY SRI WAHYUNI

Intellectual Property Rights

2022

Paten nasional

Formulasi Kapsul Mengandung Ekstrak Etanol Daun Sukun (*Artocarpus Altilis*) Dan Penggunaannya Sebagai Nefrolitiasis

NAHITMA GINTING , EFFENDY DELUX PUTRA , NAZLINIWATY , HENNY SRI WAHYUNI