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Prof. Dr. Syafruddin Ilyas, M.Biomed. dilahirkan di Pekanbaru pada tanggal 09 Februari 1966 dan merupakan seorang dosen Biologi di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya, yakni S3 Biomedik, di UI pada tahun 2008.

Publications

2025

Jurnal nasional terakreditasi

Uji Aktivitas Hepatoprotektor pada Tikus Model Kanker Payudara yang Diinduksi Benzo(A)Piren Setelah Pemberian Ekstrak Metanol Daun Biwa (*Eriobotrya japonica* Lindl)

FITRI ELIZABRTH BR HASIBUAN , SYAFRUDDIN ILYAS , WIDYA SYAHFITRI

2024

Jurnal internasional bereputasi

MOLECULAR DOCKING AND PHARMACOKINETIC EVALUATION OF NANOHERBAL SENDUDUK BULU (*MICONIA CRENATA* (VAHL.) MICHELANG.) COMPOUNDS AS AKT1 INHIBITORS

SYAFRUDDIN ILYAS , DINI PRASTYO WATI , DINA KHAIRANI

2024

Buku referensi

Prinsip dan Praktik Hewan Percobaan Mencit (*Mus musculus*)

YURNADI , SYAFRUDDIN ILYAS

2025

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EVALUATION OF COMPRESSIVE AND TENSILE STRENGTH OF HYDROXYAPATITE NANOPARTICLES FROM SPIRAL BABYLON SHELLS (*BABYLONIA SPIRATA*) AS ALVEOLAR BONE GRAFT MATERIAL CANDIDATES

PITU WULANDARI , AINI HARIYANI NASUTION , SYAFRUDDIN ILYAS , AMETA PRIMASARI

2021

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Role of Heat Shock Protein 70 (HSP-70) after Giving Nanoherbal Haramonting (*Rhodomyrtus tomentosa*) in Preeclamptic Rats

SYAFRUDDIN ILYAS

2025

Jurnal internasional bereputasi

Fiber and starch of *Colocasia esculenta* var. Mentawai ameliorate adiposity, dyslipidemia and gut dysbiosis in mice fed high fat diet

PUTRA SANTOSO , SYAFRUDDIN ILYAS , RESTI RAHAYU

2024

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Nano-herbal combination targets apoptosis in oral squamous cell carcinoma

SYAFRUDDIN ILYAS , CHERYL GRACE PATIWI RUMAHORBO RUMAHORBO

2024

Jurnal internasional bereputasi

In Silico Study of Compounds from Nanoherbal Jopan (Clibadium surinamense L.) Leaves as Inhibitors AKT1 Interaction

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2024

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Investigation of 3% Binahong (Anredera cordifolia) Leaf Extract Nanogel on the Alveolar Bone Healing: BMP-2 Modulation in Rat Models

OLIVIA AVRIYANTI HANAFIAH , SYAFRUDDIN ILYAS

2026

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UPLC-QTOF-MS Profiling and In Silico Evaluation of Beta-Secretase Inhibitors from Ethyl Acetate Fraction of Paraboea leuserensis: Towards a Potential Therapeutic Approach for Alzheimer's Disease

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2024

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Assessing the hepatoprotective efficacy of Vitis gracilis Wall. against doxorubicin-induced hepatic injury in rats

SYAFRUDDIN ILYAS , PUTRA SANTOSO , YURNADI

2024

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Predictive bioactivity of compounds from Vitis gracilis leaf extract to counteract doxorubicin-induced cardiotoxicity via sirtuin 1 and adenosine monophosphate-activated

SYAFRUDDIN ILYAS , RITA MALIZA , PUTRA SANTOSO , YURNADI

2022

Jurnal internasional bereputasi

The Effect of 4% Mangosteen Peel Extract Gel on Interleukin-6 (il-6) Levels and Clinical Parameters in Stage iii Grade b Periodontitis Patients

PITU WULANDARI , RINI OCTAVIA NASUTION , SYAFRUDDIN ILYAS , ARMIA SYAHPUTRA

2024

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Flavonoids for hepatoprotection: Potential natural approaches to mitigate doxorubicin-induced liver toxicity: A mini review

DINA KHAIRANI , SYAFRUDDIN ILYAS

2022

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Histological analyses of orthodontic force in Cavia porcellus: Comparison between immunohistochemistry and hematoxylin-eosin

ERLIERA , NAZRUDDIN , ADITYA RACHMAWATI , SYAFRUDDIN ILYAS

2024

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RENOPROTECTIVEPOTENTIALOFFLAVONOIDS-RICHAGAINSTDOXORUBICIN-INDUCEDINANIMALMODELS: AREVIEW

DINI PRASTYO WATI , SYAFRUDDIN ILYAS

2021

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Vitamin E supplementation reduces stress levels from orthodontic force in Wistar rats (Rattus norvegicus)

ERLIERA , SYAFRUDDIN ILYAS , DARMA YANTI SIREGAR , YUMI LINDAWATI , ERVINA SOFYANTI

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Effectiveness of Snakehead Fish Extract on Tooth Extraction Wound Healing

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Mentawai Taro (*Colocasia esculenta* var. *Mentawai*) Corm Flour Ameliorates Insulin Resistance and Leukocytosis Promoted by High-Fat Diet in Mice

SYAFRUDDIN ILYAS , RESTI RAHAYU , PUTRA SANTOSO

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Jurnal nasional terakreditasi

Utilization of Nanogels Binahong Leaf Extract on Palatal Wound Healing

OLIVIA AVRIYANTI HANAFIAH , SYAFRUDDIN ILYAS

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EFFECTIVENESS OF PROPOLIS EXTRACT GEL AS ADJUNCTIVE PERIODONTAL THERAPY: OVERVIEW OF FIBROBLASTS AND NEUTROPHILS (IN VIVO STUDY)

JULIA MAHARANI , PITU WULANDARI , AMINAH DALIMUNTHE , WITA ANGGRAINI , SYAFRUDDIN ILYAS

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BIOCOMPATIBILITY OF NANO-HYDROXYAPATITE GRAFT FROM UNAM SNAIL (*VOLEGALEA COCHLIDIUM*) SHELL ON NIH 3T3 FIBROBLAST

PITU WULANDARI , AINI HARIYANI NASUTION , IRMA ERVINA , SYAFRUDDIN ILYAS , DESY MARLIN PARSAULIAN BR SITUMORANG

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Jurnal internasional bereputasi

Role of Carbon Quantum Dots of *Sapindus Rarak* DC on The Released of TGF- β 1 of Matrix Dentine

NEVI YANTI , WIDI PRASETIA , TRIMURNI ABIDIN , WANDANIA FARAHANNY , SYAFRUDDIN ILYAS , JESSICA KOMALA

2024

Prosiding seminar internasional

Meristic and morphometrics of tinfoil barb (*Barbonymus schwanefeldii*) in the Lau Belawan River, Pancur Batu, North Sumatera Province

DESRITA , SYAFRUDDIN ILYAS , FEBE AP NESIA WARUWU

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A novel therapeutic approach to doxorubicin-induced cardiotoxicity, with a particular emphasis on the potential cardioprotective properties of *Vitis gracilis* Wall.

PUTRA SANTOSO , SYAFRUDDIN ILYAS , YURNADI , Syafruddin Ilyas

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EFFECTIVENESS OF PROPOLIS EXTRACT GEL AS ADJUNCTIVE PERIODONTAL THERAPY: OVERVIEW OF FIBROBLASTS AND NEUTROPHILS (IN VIVO STUDY)

WITA ANGGRAINI , SYAFRUDDIN ILYAS , PITU WULANDARI , OLIVIA AVRIYANTI HANAFIAH , AMINAH DALIMUNTHE

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EFFECTIVENESS OF CHITOSAN-LOADED TETRACYCLINE IN PERIODONTITIS INDUCED RATS

ARMIA SYAHPUTRA , SYAFRUDDIN ILYAS , RINI OCTAVIA NASUTION , IRMA ERVINA , MARTINA AMALIA

2025

Jurnal internasional

Citrus Aurantifolia Ethanol Extract As A Modulator Of TNF- α In Imiquimod-Induced Psoriasis Rat Model

BINARWAN HALIM , ENDY JULI ANTO , JEKSON MARTIAR SIAHAAN , SYAFRUDDIN ILYAS , DIAN RAVINI

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Assessing the hepatoprotective efficacy of *Vitis gracilis* Wall. against doxorubicin-induced hepatic injury in rats

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The Effect of Snakehead Fish (*Channa striata*) Extract on Dry Socket Wound Healing: TGF- β 1 Expression in Rats Model

OLIVIA AVRIYANTI HANAFIAH , SYAFRUDDIN ILYAS

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The Influence Of Previous Educational Background On The Spiritual Well Being Of University Students

JOSETTA MARIA REMILA TUAPATTINAJA , KHAIRINA NASUTION , SYAFRUDDIN ILYAS , RAHLINA MUSKAR

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The Potential of Binahong Leaves Extract Nanogel for Alveolar Bone Healing

OLIVIA AVRIYANTI HANAFIAH , SYAFRUDDIN ILYAS

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Jurnal internasional bereputasi

Screening the Active Compound Profile and Mechanisms of *Paraboea leuserensis* B.L. Burt on PSEN1 Human Gene: UPLC-QToF-MS Identification and Molecular Docking Analysis Study

YURNADI , SAFNI , SYAFRUDDIN ILYAS

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SYAFRUDDIN ILYAS , RISMA DUMIRI MANURUNG

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A novel therapeutic approach to doxorubicin-induced cardiotoxicity, with a particular emphasis on the potential cardioprotective properties of *Vitis gracilis* Wall.

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Jurnal nasional terakreditasi

Investigation of 3% Binahong (*Anredera cordifolia*) Leaf Extract Nanogel on the Alveolar Bone Healing: BMP-2 Modulation in Rat Models

BERNARD , SYAFRUDDIN ILYAS , OLIVIA AVRIYANTI HANAFIAH

2024

Buku referensi

Prinsip Dasar Tikus sebagai Model Penelitian

SYAFRUDDIN ILYAS , YURNADI

2024

Buku referensi

Potensi Gastroprotektif Daun Sukun

DADANG IRFAN HUSORI , URIP HARAHAP , AMINAH DALIMUNTHE , SYAFRUDDIN ILYAS

2024

Buku referensi

Prinsip dan Praktik Hewan Percobaan Mencit (*Mus musculus*)

YURNADI , SYAFRUDDIN ILYAS

2022

Prosiding seminar nasional

PENGUJIAN AKTIVITAS ANTI BAKTERI DAUN *Sphagneticola trilobata* JF (L.) Pruski TERHADAP *Salmonella typhi* DAN *Escherichia coli*

SYAFRUDDIN ILYAS , TISNA HARMAWAN , VIVI MARDINA

2018

Prosiding seminar internasional

Effectiveness of administration haramounting leaf (*Rhodomyrtus tomentosa*) as antioxidant in preventing the damage pancreas mice (*Mus musculus* L.) after exposure of electric

SYAFRUDDIN ILYAS

2024

Jurnal nasional terakreditasi

The Potential of Binahong Leaves Extract Nanogel for Alveolar Bone Healing

BERNARD , SYAFRUDDIN ILYAS , OLIVIA AVRIYANTI HANAFIAH

2024

Buku referensi

Prinsip Dasar Tikus sebagai Model Penelitian

YURNADI , SYAFRUDDIN ILYAS

2025

Jurnal internasional bereputasi

Chronic Oral Exposure to *V. gracilis* Nanoherbs: Toxicity Assessment

SYAFRUDDIN ILYAS , MUSWITA , SALMI , HUSNARIKA FEBRIANI , DINA KHAIRANI , DINI PRASTYO WATI

2017

Jurnal internasional bereputasi

Quantity Differences of Secondary Metabolites (Saponins, Tannins, and Flavonoids) from Binahong Plant Extract (*Anredera cordifolia* (Ten.) Steenis) treated and untreated with Colchicines that play a Role in Wound Healing

TRIMURNI ABIDIN , DIANA SOFIA HANAFIAH , SYAFRUDDIN ILYAS , EVA SARTINI BAYU , MARLINE NAINGGOLAN , OLIVIA AVRIYANTI HANAFIAH

2025

Jurnal internasional bereputasi

The effect of the ethanolic extract of African leaves (*Vernonia amygdalina* Delile) on the corrosion rate and microstructure of stainless steel orthodontic wire

ERVINA SOFYANTI , SITI BAHIRRAH , SYAFRUDDIN ILYAS , AMETA PRIMASARI , Widya Lestari , Ida Bagus Narmada

2018

Jurnal internasional bereputasi

Description of testis histology of mus musculus after giving nano herbal rhodomyrtus tomentosa (Hara

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2023

Jurnal internasional bereputasi

Protective effect of *Vitis gracilis* Wall (Vitaceae) leaf decoction on sexual vitality and testis of alloxan-induced diabetic mice.

PUTRA SANTOSO , YURNADI , SYAFRUDDIN ILYAS

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Jurnal internasional bereputasi

Assessing the hepatoprotective efficacy of *Vitis gracilis* Wall. against doxorubicin-induced hepatic injury in rats

SYAFRUDDIN ILYAS , YURNADI , PUTRA SANTOSO

Researches

2021
Biomedik

The effect of ingestion of red dragon fruit extract on levels of malondialdehyde and superoxide dismutase after strenuous exercise in rats (*Rattus norvegicus*)

SYAFRUDDIN ILYAS , Chrismis N. Ginting , Indra Mukti , Nyoman Ehrich Lister , Gusbakti Rusip

2022
Penelitian Dana Lokal Perguruan Tinggi

PENGEMBANGAN NANOHERBAL GAGATAN HARIMAU (*VITIS GRACILIS* BL) SEBAGAI GEN PENGUAT VITALITAS SEKSUAL DAN NON-SEKSUAL TIKUS JANTAN (*RATTUS NORVEGICUS*): PENDEKATAN MOLEKULER, HORMONAL, DAN SELULER

PUTRA SANTOSO , SYAFRUDDIN ILYAS

2023
Penelitian Kerjasama Antar Perguruan Tinggi

Aktivitas Antikelelahan dan Perbaikan Memori Spasial Nanoherbal Gagatan Harimau (*Vitis gracilis* WALL.) pada Mencit (*Mus musculus*): Pendekatan Preklinis, imunopatogenesis dan Biomolekuler

SYAFRUDDIN ILYAS , SALMI , MUSWITA

2013
Penelitian Fundamental

KAJIAN AKTIFITAS BUAH ANDALIMAN (*Zanthoxylum acanthopodium* DC) TERHADAP ULTRASTR

EMITA SABRI , SYAFRUDDIN ILYAS

2021
Penelitian Disertasi Doktor

Kajian Mekanisme Efek Gastroprotektif Ekstrak Etanol Daun Sukun (*Artocarpus altilis* (Parkinson) Fosberg) Secara In Vivo, In Vitro dan In Silico

DADANG IRFAN HUSORI , SYAFRUDDIN ILYAS , AMINAH DALIMUNTHE , URIP HARAHAP

2023

Potensi nanoherbal gagatan harimau (*vitis gracilis wall.*) Sebagai cardioprotektif, hepatoprotektif dan renoprotektif pada tikus yang diinduksi doksorubisin

PUTRA SANTOSO , SYAFRUDDIN ILYAS , YURNADI

2017
Penelitian Dana Lokal Perguruan Tinggi

Pengaruh konsentrasi TGF- β 1 dan VEGF dan aktivator terhadap pergerakan dan stabilisasi perawatan ortodonti

SYAFRUDDIN ILYAS , ERLIERA

2025
Penelitian Kerjasama Antar Perguruan Tinggi

Metabolic Profiling dari Bawang Batak dan Gagatan harimau serta uji In Silico- In Vitro terhadap potensinya dalam Regenerasi Luka Diabetes

MAI EFDI , SYAFRUDDIN ILYAS , YURNADI

Community Services

2025

PENINGKATAN LITERASI KESEHATAN REPRODUKSI REMAJA MELALUI EDUKASI KESEHATAN REPRODUKSI SEBAGAI UPAYA PREVENTIF BAGI REMAJA DALAM MENYONGSONG MASA DEPAN SEHAT

SYAFRUDDIN ILYAS , Teguh Prasetyo

Intellectual Property Rights

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Potensi Gastroprotektif Daun Sukun

URIP HARAHAP, SYAFRUDDIN ILYAS, AMINAH DALIMUNTHE, DADANG IRFAN HUSORI

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Kajian Mekanisme Efek Gastroprotektif Ekstrak Etanol Daun Sukun (Artocarpus Altilis (Parkinson) Fosberg) Pada Tukak Lambung Tikus Yang Diinduksi Dengan Pyloric Ligation Dan Mucosal Damage

DADANG IRFAN HUSORI, URIP HARAHAP, AMINAH DALIMUNTHE, SYAFRUDDIN ILYAS

2024

Paten nasional

KOMPOSISI GEL EKSTRAK ETANOL 70% DAUN BINAHONG (ANREDERA CORDIFOLIA (TEN.)STEENIS) UNTUK PENYEMBUHAN LUKA MUKOSA PALATAL TIKUS WISTAR

SYAFRUDDIN ILYAS, DENNY SATRIA, OLIVIA AVRIYANTI HANAFIAH, TRIMURNI ABIDIN, MARLINE NAINGGOLAN

2024

Paten nasional

Ekstrak Daun Bangun-bangun (Plectranthus amboinicus, Lour. Spreng) Sebagai Antikanker Payudara

POPPY ANJELISA ZAITUN HASIBUAN, SYAFRUDDIN ILYAS

2024

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The Influence Of Previous Educational Background On TheSpiritual Well Being Of University Students

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