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Dr. Putri Cahaya Situmorang, S.Pd., M.Si was born in Medan on December 11, 1993. She is a Biology lecturer at the Universitas Sumatera Utara She completed her doctoral degree in Biology at the Universitas Sumatera Utara in 2021.

Publications

2026

Jurnal internasional bereputasi

Protective effects of Zanthoxylum acanthopodium DC in a DMBA- induced rat model: Renal, inflammatory, and histopathological evaluation

ROSTIME HERMAYERNI SIMANULLANG , CALEN , JEKSON MARTIAR SIAHAAN , LAURENA GINTING , PUTRI CAHAYA SITUMORANG

2026

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Propolis nanoemulsion and mesenchymal stem cell conditioned medium promote osteoblastogenesis against lipopolysaccharide-induced osteolysis in hyperglycemic rats

PUTRI CAHAYA SITUMORANG , ANANTO ALI ALHASYIMI , ALEXANDER PATERA NUGRAHA , CENDRAWASIH ANDUSYANA FARMASYA , NISWATI FATHMAH ROSYIDA , HENDRI SUSANTO , MUH. ADE ARTASASTA , Khairul Anuar Shariff

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HUC-MSC secretome and Nanoemulsion Propolis synergistically modulate inflammatory responses in hyperglycemia-induced calvarial osteolysis

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , SALOMO HUTAHAEAN , DONI ALDO SAMUEL SIAHAAN , ANANTO ALI ALHASYIMI , MUH. ADE ARTASASTA , WIBI RIAWAN , ALEXANDER PATERA NUGRAHA , Helen helen , Khairul Anuar Shariff

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Jurnal internasional bereputasi

Polydatin as a Multifunctional Anticancer Agent: Cellular Mechanisms, Therapeutic Potential and Future Clinical Perspectives

PUTRI CAHAYA SITUMORANG , CHERYL GRACE PRATIWI RUMAHORBO , LEO SIMANJUNTAK, DR , RONY ABDI SYAHPUTRA , Javad Sharifi-Rad , Daniela Calina

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Brucine as a Natural Modulator of Cancer Signaling: Cellular Mechanisms, Therapeutic Potential, and Translational Perspectives

PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , SONY EKA NUGRAHA , DONI ALDO SAMUEL SIAHAAN , ETTI SARTINA SIREGAR , HELEN , Zainab M. Almarhoon , William N. Setzer , Javad Sharifi-Rad

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Molecular crosstalk between herbal phytochemicals and microRNAs in electronic cigarette vapor: Implications for respiratory health

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , KANIWA BERLIANI , ALEXANDER PATERA NUGRAHA , HELEN , PANDU SURYA PANGESTU , Khatarina Meldawati Pasaribu

2026

Jurnal internasional bereputasi

Profiling and potential of *Marchantia paleacea* Bertol. extract for breast anticancer candidate: GC-MS, LC-MS/MS, and in silico analysis

ETTI SARTINA SIREGAR , PUTRI CAHAYA SITUMORANG , NURSAHARA PASARIBU , HESTIA HAIRIMA

2026

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Gynura procumbens Modulates VEGF Expression in Diabetic Wounds: Evidence from Immunohistochemistry and in silico Analysis

PUTRI CAHAYA SITUMORANG , Risma Dumiri Manurung , Suriani Ginting , Dr. Syahputra Wibowo, S.Si., M.Si (, Naufal Abiyyu , Alfia Fitrianita

2026

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Mesenchymal stem cells derived from gingiva normoxic or hypoxic-preconditioning allogenuous transplantation affect orthodontic tooth movement in vivo

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , IDA BAGUS NARMADA , FEDIK ABDUL RANTAM , I GUSTI AJU WAHJU ARDANI , ADYA PRAMUSITA , NURUL AISYAH RIZKY PUTRANTI , MUHAMMAD LUTHFI , WIBI RIAWAN

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Jurnal internasional bereputasi

Formulation and Evaluation of *Marchantia paleacea* Gel for Treating Second-Degree Burn Wounds in Rats

ETTI SARTINA SIREGAR , NURSAHARA PASARIBU , SALOMO HUTAHAEAN , PUTRI CAHAYA SITUMORANG

2025

Jurnal nasional

Establishing Productive Arboriculture to Enhance the Local Economy and Safeguard the Environment in the Lake Toba Region, Silahisabungan District, Dairi Regency, North Sumatra Province

KANIWA BERLIANI , NURSAL , PUTRI CAHAYA SITUMORANG , MUHAMMAD ZAIDUN SOFYAN

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Jurnal internasional bereputasi

Exploring Nanoherbal *Paraboea leuserensis* as a Therapeutic Agent in Traumatic Brain Injury: In Silico, and In Vivo Approaches

SYAFRUDDIN ILYAS , PUTRI CAHAYA SITUMORANG , WARDAH SAWITRI POLEM

2025

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Phytochemicals in breast cancer therapy: Decoding molecular pathways and pioneering therapeutic strategies

ALEXANDER PATERA NUGRAHA , KANIWA BERLIANI , SYAFRUDDIN ILYAS , PUTRI CAHAYA SITUMORANG , DENNY SATRIA , NURSAHARA PASARIBU , Nik Mohd Afizan Nik Abd Rahman

2025

Jurnal internasional bereputasi

Histological Changes in Breast Tissue via the Expression of Her2, Cox-2 and Caspase 3 after the Administration of *Zanthoxylum acanthopodium* DC and *Moringa oleifera* Leaves

ROSTIME HERMAYERNI SIMANULLANG , HADYANTO LIM , MASTA MELATI HUTAHAEAN , CALEN , JEKSON MARTIAR SIAHAAN , PUTRI CAHAYA SITUMORANG , KASRAWATI , GANDA SIGALINGGING

2025

Jurnal internasional bereputasi

Pharmacological potential of ten indigenous medicinal plants from North Sumatra: A systematic review

PUTRI CAHAYA SITUMORANG , Cheryl Grace Pratiwi Rumahorbo

2025

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Rhodomirtus tomentosa attenuates HER2 expression and modulates apoptotic pathways in DMBA-induced breast carcinogenesis: In vivo and in silico insights

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , SYAFRUDDIN ILYAS , RONY ABDI SYAHPUTRA , Syahputra Wibowo , Reka Mustika Sari , Alek Ibrahim , Alfia Fitrianita

2025

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FasL and cytochrome c-induced apoptosis in cardiac tissue of hypertensive rats treated with *Rhodomyrtus tomentosa*

ALEXANDER PATERA NUGRAHA , MASITTA TANJUNG , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , Anisa Lutfia

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Efficacy of *Gynura procumbens* (Lour.) Merr. extract in enhancing diabetic wound healing through modulation of IL-1 β , PDGF β , and TGF- β in a rat model

PUTRI CAHAYA SITUMORANG , ANDINA SETYAWATI , SRI UTAMI , FAWZI RAHMADIYAN ZUHAIRI , WHIKA FEBRIA DEWATISARI

2025

Jurnal internasional bereputasi

ExRNA as theranostic agents in cancer: current progress and future perspectives

PUTRI CAHAYA SITUMORANG , Nik Mohd Afizan Nik Abd Rahman , Che Nur Mazadillina Che Zahari , Mohd Azuraiddi Osman

2025

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Therapeutic potential of *Gynura procumbens* in enhancing cytokine regulation in the cervix of rats induced by 7,12-dimethylbenz(a) anthracene: In vivo and in silico investigations

Syahputra Wibowo , PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , SONY EKA NUGRAHA , ALEXANDER PATERA NUGRAHA , DIYAH TRI UTAMI , RIZAL MUKRA

2025

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Human umbilical cord mesenchymal stem cells secretome and nanoemulsion propolis combination ameliorate osteoclastogenesis in lipopolysaccharide-induced osteolysis in hyperglycemia rats

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , ADYA PRAMUSITA , NURUL AISYAH RIZKY PUTRANTI , MUHAMMAD LUTHFI , NASTITI FARADILLA RAMADHANI , drg RATRI MAYA SITALAKSMI , skg , MUH. ADE ARTASASTA , ANANTO ALI ALHASYIMI , WIBI RIAWAN , Kunhua Yang

2025

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Nephroprotective effects of *Rhodomyrtus tomentosa* in 7,12-Dimethylbenz[a]anthracene (DMBA)-Induced Nephrotoxicity: Computational and physiological analysis of cytokine expression

ALEXANDER PATERA NUGRAHA , PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , RONY ABDI SYAHPUTRA , Syahputra Wibowo , Reka Mustika Sari , Alek Ibrahim , Alfia Fitrianita , Naufal Abiyyu

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Effect of *Rhodomyrtus tomentosa* (Aiton) Hassk. on aortic hyperglycemia via JAK family expression

PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , ETTI SARTINA SIREGAR

2025

Jurnal internasional bereputasi

Molecular mechanism of phytochemical compounds in mitigating hypertension

RIZAL MUKRA , ANANDA , PUTRI CAHAYA SITUMORANG , MASITTA TANJUNG , RADEN JOKO KUNCORONINGRAT SUSILO , ALEXANDER PATERA NUGRAHA , WIDA AKASAH , Syahputra Wibowo

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Adipose-Derived Mesenchymal Stem Cell Osteodifferentiation after Exposure to Beta- Tricalcium Phosphate Bioceramic Granules with 300 to 600 and 600 to 1,000 μ m Sizes

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , IDA BAGUS NARMADA , RINI DEVIJANTI RIDWAN , DIAH SAVITRI ERNAWATI , TAUFAN BRAMANTORO , DEVI RIANTI , WIBI RIAWAN , PAMELA HANDY CECILIA , Khairul Anuar bin Shariff

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Jurnal internasional bereputasi

7F2 Preosteoblast Cell Line Relative Viability Percentage after the Administration of 1% Roselle Flower Extract Nanoemulsion (Hibiscus sabdariffa Linn.)

PUTRI CAHAYA SITUMORANG , THERESIA INDAH BUDHY S , MUHAMMAD LUTHFI , RINI DEVIJANTI RIDWAN , DEVI RIAN TI , TAUFAN BRAMANTORO , NASTITI FARADILLA RAMADHANI , IDA BAGUS NARMADA , ALEXANDER PATERA NUGRAHA , Ridhofar Akbar Khusnul Abdillah , Nadya Rafika Amalia

2025
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Propolis nanoemulsion extract from celebes stingless bee (Tetragonula biroi) phytochemistry and antibacterial analysis to periodontopathogen bacteria

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , THERESIA INDAH BUDHY S , RINI DEVIJANTI RIDWAN , TAUFAN BRAMANTORO

2025
Jurnal internasional bereputasi

Effects of Roselle (Hibiscus sabdariffa Linn.) flower extracts on various inflammatory and bone apposition biomarkers during orthodontic tooth movement: An experimental animal study

IDA BAGUS NARMADA , PUTRI CAHAYA SITUMORANG , I GUSTI AJU WAHJU ARDANI , ARI TRIWARDHANI S , ALIDA , ALEXANDER PATERA NUGRAHA

2025
Jurnal internasional bereputasi

Effect of Rhodomyrtus tomentosa (Aiton) Hassk. on aortic hyperglycemia via JAK family expression

PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , MIMMY SARI SYAH PUTRI , TRINA EKAWATI TALLEI , EKA SETIAWAN

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Jurnal internasional bereputasi

Moringa oleifera L. Nanosuspension Extract Administration Affects Heat Shock Protein-10 and -70 under Orthodontics Mechanical Force In Vivo

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA

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Effect of Gynura procumbens (Lour.) Merr. on the histopathology of the diabetic pancreas via caspase family expression

EKA SETIAWAN , PUTRI CAHAYA SITUMORANG , WHIKA FEBRIA DEWATISARI , ANDINA SETYAWATI , RISMA DUMIRI MANURUNG

2024
Jurnal internasional bereputasi

Histological Alterations of Cervical Cancer Following Zanthoxylum acanthopodium DC Therapy in Relation to E7, pRb, EGFR and p16 Expression

PUTRI CAHAYA SITUMORANG , ROSTIME HERMAYERNI SIMANULLANG , JEKSON MARTIAR SIAHAAN

2024
Buku referensi

Andaliman dan Kelor Sebagai Terapi Kanker Payudara

MASTA MELATI HUTAHAEAN , HADYANTO LIM , PUTRI CAHAYA SITUMORANG , KASRAWATI , JEKSON MARTIAR SIAHAAN , ROSTIME HERMAYERNI SIMANULLANG , CALEN

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Jurnal internasional bereputasi

Prospects of compounds of herbal plants as anticancer agents: a comprehensive review from molecular pathways

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , SONY EKA NUGRAHA , RONY ABDI SYAHPUTRA

2024
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A Bioinformatic Approach of Stingless Bee`s (Trigona biroi) Propolis Active Constituent for Antioxidant, Growth Factor and Osteoblastogenesis Molecular Pathway Prediction

ALEXANDER PATERA NUGRAHA , TAUFAN BRAMANTORO , DEVI RIAN TI , IDA BAGUS NARMADA , RINI DEVIJANTI RIDWAN ,

2024
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Role of Rhodomyrtus tomentosa (Aiton) Hassk. in regulating the expression of fibroblast growth factor family in the liver of rat in a breast cancer model

ALEXANDER PATERA NUGRAHA , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , CHERYL GRACE PATIWI RUMAHORBO RUMAHORBO , Reka Mustika Sari , Alek Ibrahim , SYAFRUDDIN ILYAS

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Making of Belanda Teak wood powder with bentonite as ceramic material

MARTHA RIANNA , PUTRI CAHAYA SITUMORANG , Muhammad Khalid Hussain , Eko Arief Setiadi , Perdamean Sebayang , Anggito P. Tetuko , Regina Aperita Lusiana Harahap , TIMBANG PANGARIBUAN , TIMBANGEN SEMBIRING

2024
Prosiding seminar internasional

Experimental investigation on ceramic materials of wood flour and bentonite

ERWIN , Regina Aperita Lusiana Harahap , Novira Ananda , PUTRI CAHAYA SITUMORANG , MARTHA RIANNA , TIMBANGEN SEMBIRING , HERTY AFRINA SIANTURI

2024
Jurnal internasional bereputasi

Rhodomyrtus tomentosa as a new anticancer molecular strategy in breast histology via Her2, IL33, EGFR, and MUC1

ALEXANDER PATERA NUGRAHA , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , SYAFRUDDIN ILYAS

2024
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Rhodomyrtus tomentosa (Aiton) Hassk. (haramonting) protects against allethrin-exposed pulmo damage in rats: mechanistic interleukins

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , RONY ABDI SYAHPUTRA , SYAFRUDDIN ILYAS , CHERYL GRACE PATIWI RUMAHORBO RUMAHORBO , MIMMY SARI SYAH PUTRI

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Effectiveness of Gel from Andaliman Fruit (Zanthoxylum acanthopodium DC.) Extract on Wound Inflammation

PUTRI CAHAYA SITUMORANG , ANNISA AYU RAMADHANI , ELSA IZZA SABILA , BALQIS NUR NASUTION , HANIF FADHILAH , FATHIYA

2023
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RANK-RANKL-OPG expression after gingival mesenchymal stem cell hypoxia preconditioned application in an orthodontic tooth movement animal model

PUTRI CAHAYA SITUMORANG , TAUFAN BRAMANTORO , WIBI RIAWAN , ALEXANDER PATERA NUGRAHA , DIAH SAVITRI ERNAWATI , IDA BAGUS NARMADA

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RANK-RANKL-OPG expression after gingival mesenchymal stem cell hypoxia preconditioned application in an orthodontic tooth movement animal model

PUTRI CAHAYA SITUMORANG , ALEXANDER PATERA NUGRAHA , IDA BAGUS NARMADA , DIAH SAVITRI ERNAWATI , WIBI RIAWAN , TAUFAN BRAMANTORO

2023
Jurnal internasional bereputasi

Vernonia amygdalina protects against doxorubicin-induced hepatic and renal damage in rats: mechanistic insights

RONY ABDI SYAHPUTRA , SONY EKA NUGRAHA , AMINAH DALIMUNTHE , ARYA TJIPTA PRANANDA , PUTRI CAHAYA SITUMORANG

2023
Jurnal internasional bereputasi

Improvement of spermatozoa concentration due to maximal exercise with Vitis gracilis Wall.

PUTRA SANTOSO , PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , YURNADI

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Effects of micro-colloidal *Rhodomirtus tomentosa* on MMP9, GLUT-1, and IL-1 β expression in *Rattus norvegicus* cervical cancer

PUTRI CAHAYA SITUMORANG

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PHYSIOLOGICAL EFFECTS OF TURMERIC (*Curcuma longa* L) IN THE FORM OF NANO AND CRUDE EXTRACT

CHERYL GRACE PATIWI RUMAHORBO RUMAHORBO , PUTRI CAHAYA SITUMORANG , Leo Simanjuntak

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Suppression of Fas expression in the hypertensive placental histology of rats given Nano herbal of *Rhodomirtus tomentosa* leaves

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA

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Effect of *Vitis gracilis* Wall. administration on maximal swimming exercise apoptosis via cytochrome c in rat lung cells

PUTRI CAHAYA SITUMORANG , PUTRA SANTOSO , YURNADI , SYAFRUDDIN ILYAS

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Effect of maximal physical exercise on apoptosis via cytochrome c in hippocampus cells after administration of *Vitis gracilis* Wall.

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS

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Histological analysis of TGF β 1 and VEGFR expression in cervical carcinoma treated with *Rhodomirtus tomentosa*

RONY ABDI SYAHPUTRA , PUTRI CAHAYA SITUMORANG

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Histological analysis of TGF β 1 and VEGFR expression in cervical carcinoma treated with *Rhodomirtus tomentosa*

MASTA MELATI HUTAHAEAN , ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , HIZKIANTA SEMBIRING

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Suppression of Fas expression in the hypertensive placental histology of rats given Nano herbal of *Rhodomirtus tomentosa* leaves

RONY ABDI SYAHPUTRA , PUTRI CAHAYA SITUMORANG

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Monograf

Terapi Sitokinin Terhadap Andaliman Cegah Kanker Serviks

JEKSON MARTIAR SIAHAAN , ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG

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Effect of *Rhodomirtus tomentosa* Hassk. on HIF1 α and VEGF expressions on hypertension placental

DONI ALDO SAMUEL SIAHAAN , SYAFRUDDIN ILYAS , PUTRI CAHAYA SITUMORANG

2022

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PDGF-b and IL-18 Expressions on Carcinoma Cervical by *Rhodomirtus tomentosa*

RONY ABDI SYAHPUTRA , PUTRI CAHAYA SITUMORANG

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PUTRI CAHAYA SITUMORANG

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Diabetic Wound Healing in IL-1 β expression by Nano Herbal of Zanthoxylum acanthopodium and Rhodomyrtus tomentosa

SALOMO HUTAHAEAN , SYAFRUDDIN ILYAS , ROSIDAH , PUTRI CAHAYA SITUMORANG

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Histological changes of cervical tumours following Zanthoxylum acanthopodium DC treatment, and its impact on cytokine expression

PUTRI CAHAYA SITUMORANG , ROSTIME HERMAYERNI SIMANULLANG , MERIANI HERLINA , SARIDA SURYA MANURUNG , BERNITA SILALAH

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Oral acute toxicity study extract ethanol of balakka fruit (Phyllanthus emblica)

RONY ABDI SYAHPUTRA , PUTRI CAHAYA SITUMORANG , SONY EKA NUGRAHA

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EGFL7 and HIF-1 α Expression on Human Trophoblast Placental by Rhodomyrtus tomentosa and Zanthoxylum acanthopodium

RONY ABDI SYAHPUTRA , PUTRI CAHAYA SITUMORANG

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Effect of Vitis gracilis Wall (gagatan harimau) in the recovery of gastrocnemius muscle cells and cytochrome c expression of Mus musculus

SALOMO HUTAHAEAN , RAMLAN SILABAN , PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS

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Cytochrome c Expression by Andaliman (Zanthoxylum acanthopodium) on Cervical Cancer Histology

PUTRI CAHAYA SITUMORANG

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Histological changes of cervical tumours following Zanthoxylum acanthopodium DC treatment, and its impact on cytokine expression

PUTRI CAHAYA SITUMORANG

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Suppression of Wnt Expression by Increasing PI3K in Rats Cervical Carcinoma by Andaliman (Zanthoxylum acanthopodium)

SYAFRUDDIN ILYAS , PUTRI CAHAYA SITUMORANG , SALOMO HUTAHAEAN , ROSIDAH

2022
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PDGF-B and IL-18 Expressions on Carcinoma Cervical by Rhodomyrtus tomentosa

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA , EKA RISTIN TARIGAN , LAURENA GINTING

2021
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Effect of sikkam (Bischofia javanica Blume) ethanolic extract on the quality and quantity of hyperglycemic rat sperm

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , SALOMO HUTAHAEAN

2021

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Effect of Zanthoxylum acanthopodium methanol extract on CDK4 expression to cervical cancer

ROSIDAH , PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , SALOMO HUTAHAEAN

2021

Prosiding seminar internasional

Effectivity of Nano herbal Andaliman (Zanthoxylum acanthopodium) to the Vascular Endothelial Growth Factor (VEGF) expression in diabetic burn rats

RISMA DUMIRI MANURUNG , SYAFRUDDIN ILYAS , PUTRI CAHAYA SITUMORANG

2020

Buku referensi

Managemen Stres di Tengah Dampak Covid-19

PUTRI CAHAYA SITUMORANG , ROSTIME HERMAYERNI SIMANULLANG

2020

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Acute toxicity test and histological description of organs after giving nano herbal andaliman (Zanthoxylum acanthopodium)

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , RISMA DUMIRI MANURUNG

2020

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PUTRI CAHAYA SITUMORANG

2019

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Fisiologi Hewan

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS

2019

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Model hewan preeklampsia

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS

2019

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Histokimia dan Imunohistokimia 2

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS

Researches

2024

Nanoherbal Gynura procumbens dalam Stimulasi Molekuler in-vitro dan in-vivo pada Kulit Hiperglikemia

PUTRI CAHAYA SITUMORANG , ANDINA SETYAWATI , Putri Cahaya Situmorang

2024

Morfologi, Metabolit Sekunder, dan Potensi Pemanfaatan Zingiber loerzingii Val., sebagai Jahe Endemik dari Sumatra Bagian Utara

DONI ALDO SAMUEL SIAHAAN , PUTRI CAHAYA SITUMORANG , NURSAHARA PASARIBU , EKA SETIAWAN , YUSNESI PURBA , EGA NURHALIZA

2024

Penelitian Fundamental

POTENSI AKTIFITAS EKSTRAK METHANOL LUMUT HATI MARCHANTIA PALEACEA BERTOL. SEBAGAI ANTI KANKER PAYUDARA SECARA INSILICO DAN IN VIVO

PUTRI CAHAYA SITUMORANG , NURSAHARA PASARIBU , ETTI SARTINA SIREGAR

2024

Ipteks

Histological Changes in Breast Tissue via the Expression of Her2, Cox-2 and Caspase 3 after the Administration of Zanthoxylum acanthopodium DC and Moringa oleifera Leaves

PUTRI CAHAYA SITUMORANG , HADYANTO LIM , CALEN , ROSTIME HERMAYERNI SIMANULLANG , MASTA MELATI HUTAHAEAN , JEKSON MARTIAR SIAHAAN , KASRAWATI

2023
Penelitian Hibah Bersaing

Terapi Sitokinin Terhadap Kanker Serviks Menggunakan Buah Andaliman (Zanthoxylum acantapodium) Sebagai Bahan Baku Obat

PUTRI CAHAYA SITUMORANG , ROSTIME HERMAYERNI SIMANULLANG , JEKSON MARTIAR SIAHAAN

2023
Penelitian Kompetensi

Nanoenkapsulasi Kitosan- Haramonting (Rhodomyrtus tomentosa) sebagai suplemen antikanker pada payudara

PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , RONY ABDI SYAHPUTRA

2022
Penelitian Fundamental

Terapi Sitokinin Terhadap Kanker Serviks Menggunakan Buah Andaliman (Zanthoxylum acantapodium) Sebagai Bahan Baku Obat

PUTRI CAHAYA SITUMORANG , ROSTIME HERMAYERNI SIMANULLANG , JEKSON MARTIAR SIAHAAN , Putri Cahaya Situmorang

2022
Penelitian Kerjasama Antar Perguruan Tinggi

NANOHERBAL Rhodomyrtus tomentosa SEBAGAI ANTI-HIPOKSIA TERHADAP KEHAMILAN HIPERTENSI

DONI ALDO SAMUEL SIAHAAN , PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , Martina Restuati

2021
Biomedik

Histological changes of cervical tumours following Zanthoxylum acanthopodium DC treatment, and its impact on cytokine expression

PUTRI CAHAYA SITUMORANG , NORADINA , ROSTIME HERMAYERNI SIMANULLANG , BERNITA SILALAH , MERIANI HERLINA , Bernita Silalahi , Putri Cahaya Situmorang , Noradina , Sarida Surya Manurung , Meriani Herlina

Community Services

2026
Ipteks Bagi Masyarakat

Optimalisasi Sanitasi Kandang dan Perawatan Gajah Sumatera di CRU Tangkahan, Desa Namu Sialang, Kecamatan Batang Serangan, Kabupaten Langkat, Sumatera Utara

NUNUK PRIYANI , PUTRI CAHAYA SITUMORANG , KANIWA BERLIANI , LIANA DWI SRI HASTUTI , ISNAINI NURWAHYUNI

Penanaman Pohon Produktif untuk Meningkatkan Perekonomian Masyarakat dan Melestarikan Lingkungan Hidup Kawasan Danau Toba Kecamatan Silahisabungan Kabupaten Dairi Provinsi Sumatera Utara

PUTRI CAHAYA SITUMORANG , MUHAMMAD ZAIDUN SOFYAN , KANIWA BERLIANI , NURSAL , Arlen Hanel John

2024
Ipteks Bagi Masyarakat

Penerapan Teknologi Internet of Things (IoT) Penyiram Tanaman Otomatis Menggunakan Program Arduino Pada Tanaman Jagung Kelompok Tani Sadar Tani

AGHNI SYAHMARANI , PUTRI CAHAYA SITUMORANG , SAIB SUWILO , MIMMY SARI SYAH PUTRI , KHATIMATUL HUSNA TANJUNG , LATIFAH HANNUM HARAHAP , RAFIDA ILHAM

2024
Ipteks Bagi Masyarakat

Pemberdayaan Kelompok Tani Sehat Jaya dalam Memanfaatkan Limbah Sabut Kelapa dan Daun Kelor Sebagai Pupuk Cair Organik di Desa Narumonda I, Kabupaten Toba

PUTRI CAHAYA SITUMORANG , MARTHA RIANNA

2024
Ipteks Bagi Masyarakat

Edukasi "ETATIKU" (Etika Tata Tertib Kunjungan) Kepada Pengunjung ZOO

MAYANG SARI YEANNY , PUTRI CAHAYA SITUMORANG , HESTI WAHYUNINGSIH , ERWIN

2023

Pengelolaan Limbah Biomassa Padat menggunakan Mesin Pemipil Jagung untuk Produksi Karbon Alam di Desa Ujung Tanduk Kec. Laguboti, Kabupaten Toba

PUTRI CAHAYA SITUMORANG , TIMBANGEN SEMBIRING , MARTHA RIANNA , HERTY AFRINA SIANTURI , NAEL REJEKI BINTANG , AGNES FEDEROVA NAPITUPULU , MIKHA TESSA SITORUS , LOLO FERDINAN SIAHAAN , THERESYA PUTRI NAFTALI

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2025
Hak cipta nasional

Formulasi Cookies Herbal Andaliman (Zanthoxylumacanthopodium) Sebagai Cookies Antikanker dan Nefroprotektif

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG , CALEN , LAURENA GINTING , JEKSON MARTIAR SIAHAAN , SITI SUTANTI

2022
Hak cipta nasional

EGFL7 and HIF-1α Expression on Human Trophoblast Placental by Rhodomyrtus tomentosa and Zanthoxylum acanthopodium

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG , RONY ABDI SYAHPUTRA

2022
Hak cipta nasional

Histological changes of cervical tumours following Zanthoxylum acanthopodium DC treatment, and its impact on cytokine expression

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG , BERNITA SILALAH , MERIANI HERLINA , SARIDA SURYA MANURUNG

2020
Hak cipta nasional

Managemen Stres di Tengah Dampak Covid-19

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG