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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
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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

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

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

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

2025
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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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ALEXANDER PATERA NUGRAHA , KANIWA BERLIANI , SYAFRUDDIN ILYAS , PUTRI CAHAYA SITUMORANG , DENNY SATRIA , NURSAHARA PASARIBU , Nik Mohd Afizan Nik Abd Rahman

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

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

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

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

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

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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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ALEXANDER PATERA NUGRAHA , TAUFAN BRAMANTORO , DEVI RIANTI , IDA BAGUS NARMADA , RINI DEVIJANTI RIDWAN , PUTRI CAHAYA SITUMORANG , ADYA PRAMUSITA , DEA DELICIA , NADYA RAFIKA AMALIA , Tengku Natasha Eleena Tengku Ahmad Noor

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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

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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

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

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

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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

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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

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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

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

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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 Rhodomyrtus tomentosa leaves

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

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Managemen Stres di Tengah Dampak Covid-19

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2024
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PUTRI CAHAYA SITUMORANG , ANDINA SETYAWATI , Putri Cahaya Situmorang

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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
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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

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Penelitian Kompetensi
Nanoenkapsulasi Kitosan- Haramonting (Rhodomyrtus tomentosa) sebagai suplemen antikanker pada payudara
PUTRI CAHAYA SITUMORANG , SYAFRUDDIN ILYAS , RONY ABDI SYAHPUTRA

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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

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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

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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

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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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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

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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

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

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

2020

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Managemen Stres di Tengah Dampak Covid-19

ROSTIME HERMAYERNI SIMANULLANG , PUTRI CAHAYA SITUMORANG