

Muhammad Fauzan Lubis, S.Farm., M.Farm., Apt.

Lecturer of Undergraduate Program in Pharmacy Study Program
Faculty of Pharmacy
Universitas Sumatera Utara

✉ fauzan.lubis@usu.ac.id

🌐 ff.usu.ac.id/en/lecturer/muhammad-fauzan-lubis

Publications

2023

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PHYTOCHEMICALS ANALYSIS OF *Baccaurea motleyana* Mull. Arg. EXTRACTS AND ANTIPROLIFERATION EFFECT AGAINST PANC-1 CELL THROUGH p53 AND Bcl-2 EXPRESSIONS

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Total phenolic contents, total flavonoid contents, and antioxidant activity of *Lansium domesticum* Corr. extracts

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PENINGKATAN PENDAPATAN MASYARAKAT MELALUI PEMANFAATAN KULIT RAMBUTAN DAN LEMON SEBAGAI TEH HERBAL ANTIOKSIDAN DI BINJAI, SUMATERA UTARA

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***Saurauia vulcani* (Korth.) as herbal medicine potential from North Sumatera, Indonesia: A literature review**

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Microwave-Assisted Extraction of Ficus racemosa L. for the Evaluation of Antioxidant activity and Sun Protection Factor in Cream Formulation

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Flavonoids constituent analysis and cell cycle inhibition activity of ethylacetate extract of vernonia amygdalina delile. Leaves on lung cancer cell line

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Application of Box-Behnken design for optimization of Vernonia amygdalina stem bark extract in relation to its antioxidant and anti-colon cancer activity: The Effect of Vernonia amygdalina stem bark extract against WiDR cells

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Microwave-assisted extraction enhances the antioxidant and anti-diabetic activities of polyphenol-rich *Phyllanthus emblica* fruit extract

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Optimization microwave-assisted extraction (MAE) to obtain total phenol from *Ampelocissus thyriflora* (Blume) Planch leaves for antibacterial activity

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Waste-derived zinc oxide nanoparticles from water hyacinth: Green synthesis, characterization, and multifunctional activities

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New Insights of Response Surface Methodology Approach in Optimizing Total Phenolic Content of *Zanthoxylum acanthopodium* DC. Fruit Extracted Using Microwave-Assisted Extraction ...

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Combination of cisplatin and ethyl acetate extract of *Vernonia amygdalina Delile* induces cell cycle arrest and apoptosis on PANC-1 cells via PI3K/mTOR

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Microwave-assisted extraction enhances the antioxidant and anti-diabetic activities of polyphenol-rich *Phyllanthus emblica* fruit extract

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SUMAIYAH , POPPY ANJELISA ZAITUN HASIBUAN , MUHAMMAD FAUZAN LUBIS , Assoc. Prof. Dr. Rozana Othman, Chm

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Eksplorasi Mekanisme Antibakteri dari Mikrokapsul Kitosan Mengandung Minyak Atsiri Buah Andaliman (*Zanthoxylum acanthopodium* DC): Kajian Optimalisasi, Karakterisasi, dan Aktivitas Antibakteri

CHEMAYANTI SURBAKTI , SUMAIYAH , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS , MASITAH KHAIRANI , NADYA SRI RIZKY

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Effectiveness of gelatin extracted from mackerel bone (*rastrelliger* sp) on cell count in wistar rats mandibular bone healing-in vivo

GOSTRY ALDICA DOHUDE , HENDRY RUSDY , ISNANDAR , LOKOT DONNA LUBIS , MUHAMMAD FAUZAN LUBIS

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Pengaruh Ekstrak Minyak Ikan Kembung (*Rastrelliger* sp) Terhadap Penyembuhan Soket Pasca Pencabutan Gigi Tikus Wistar Secara In Vivo

GOSTRY ALDICA DOHUDE , ISNANDAR , LOKOT DONNA LUBIS , MUHAMMAD FAUZAN LUBIS

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Penelitian Dosen Pemula

Pengembangan Daun Duku (*Lansium domesticum* Corr.) Sebagai Obat Herbal Terstandar (OHT) Antikanker: Kajian Aktivitas Sitostatik dari Fraksi Aktif Ekstrak Etanol Daun Duku pada Beberapa Jenis Sel Kanker

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Pengembangan Daun Duku (*Lansium domesticum* Corr.) Sebagai Obat Herbal Terstandar (OHT) Antikanker: Pengujian Aktivitas Anti Invansi dan Migrasi Fraksi Aktif Daun Duku Melalui Modulasi Protein Target Terhadap Beberapa Jenis Sel Kanker Payudara

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Penelusuran Sinyalisasi Protein pada Sel Kanker Pankreas yang Dimodulasi oleh Ekstrak Etilasetat Daun Afrika (*Vernonia amygdalina*, Delile)

JANE MELITA KELIAT , POPPY ANJELISA ZAITUN HASIBUAN , MUHAMMAD FAUZAN LUBIS , NUR AZIZAH

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Penelitian Dana Lokal Perguruan Tinggi

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JANE MELITA KELIAT , POPPY ANJELISA ZAITUN HASIBUAN , MUHAMMAD FAUZAN LUBIS , SHINTIA LEONI PUTRI , ANASTHASIA DEVINE KARO-KARO

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Kerjasama Luar Negeri dan Publikasi Internasional

Kajian Efek Antikanker Senyawa Berbasis Kromon

EMIL SALIM , HENNY SRI WAHYUNI , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS

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Biosintesis dan Karakterisasi Nanopartikel Zinc Oxide Menggunakan Ekstrak

Hydroalkohol Daun Duku (*Lansium domesticum* Corr.) Serta Kajian Aktivitas Biologisnya

NURUL SUCI , SUMAIYAH , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS , NABILA ANANDA , MICHELLE CALISTA FLORENZA BR GINTING MUNTHE , Jun Haslinda Shariffuddin

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Pengembangan Nanopartikel Ekstrak Herba Krokot (*Portulaca oleracea* L.) Terstandar Sebagai Kemoterapi Tambahan Dalam Pengobatan Kanker Payudara

MUHAMMAD AMIN NASUTION , NUR AIRA JUWITA , LOKOT DONNA LUBIS , MUHAMMAD FAUZAN LUBIS

2024

Kerjasama Luar Negeri dan Publikasi Internasional

Kajian efek antikanker senyawa berbasis Kromon

EMIL SALIM , HENNY SRI WAHYUNI , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS

Community Services

2025

Penelitian Strategis Nasional

Peningkatan Skill Wirausaha Siswa Melalui Pembuatan Sabun Cair Bebas Alergen Mengandung Minyak Atsiri Limbah Kulit Jeruk Nipis Di SMA Labschool, Banda Aceh

DIDI NURHADI ILLIAN , NURUL SUCI , POPPY ANJELISA ZAITUN HASIBUAN , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS

2022

Penelitian Dana Lokal Perguruan Tinggi

PELATIHAN ENTREPRENEURSHIP FOOT SALT HERBAL SEBAGAI UPAYA PENINGKATAN IMUNITAS TUBUH LAWAN COVID-19

CHEMAYANTI SURBAKTI , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS , NURHAFIZAH UTAMI , NURUL FADHILLAH , CARLOS NOFANOLO LASE

2024

Ipteks Bagi Masyarakat

PENINGKATAN PENDAPATAN MASYARAKAT MELALUI PEMBERDAYAAN KULIT RAMBUTAN DAN LEMON SEBAGAI TEH HERBAL ANTIOKSIDAN DI BINJAI SUMATERA UTARA

ADIKA FAJAR PUTRA , EMBUN SUCI NASUTION , MUHAMMAD FAUZAN LUBIS

2022

Ipteks Bagi Masyarakat

PKM dalam Peningkatan Pemahaman COVID-19, Imunitas Tubuh, dan Pendapatan Masyarakat Melalui Pemberdayaan Daun Nipah Sebagai Teh Herbal Immunomodulator di Kabupaten Batu Bara Sumatera Utara

EMBUN SUCI NASUTION , MUHAMMAD FAUZAN LUBIS

2026

Badan Kemakmuran Masjid Asy-Syifa Fakultas Farmasi USU

JULIA REVENY , EMIL SALIM , MUHAMMAD FAUZAN LUBIS

2020

Ipteks Bagi Masyarakat

PENYULUHAN PENGGUNAAN TANAMAN OBAT UNTUK MENINGKATKAN IMUNITAS TUBUH PADA MASYARAKAT DI KELURAHAN PB. SELAYANG II KECAMATAN MEDAN SELAYANG

MARLINE NAINGGOLAN , DEWI PERTIWI , SONY EKA NUGRAHA , MUHAMMAD FAUZAN LUBIS

2021

Pelatihan Pengolahan Buah Jambu Menjadi Olahan Velva Sebagai Upaya Meningkatkan Imunitas Tubuh di Masa Pandemi Covid-19

MAHATIR MUHAMMAD , MUHAMMAD FAUZAN LUBIS , CITRA SYAHRIANI DAMANIK , ANASTHASIA DEVINE KARO-KARO

2025

Peningkatan Skill Wirausaha Siswa Melalui Pembuatan Sabun Cair Bebas Alergen Mengandung Minyak Atsiri Limbah Kulit Jeruk Nipis Di SMA Labschool, Banda Aceh

POPPY ANJELISA ZAITUN HASIBUAN , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS

2024

Susunan Kepengurusan Badan Kemakmuran Mesjid Asy-syfa Fakultas Farmasi USU

HARI RONALDO TANJUNG , MUHAMMAD FAUZAN LUBIS

2022

Ipteks Bagi Masyarakat

PKM dalam Peningkatan Pemahaman COVID-19, Imunitas Tubuh, dan Pendapatan Masyarakat Melalui Pemberdayaan Daun Nipah Sebagai Teh Herbal Immunomodulator di Kabupaten Batu Bara Sumatera Utara

ADIKA FAJAR PUTRA , EMBUN SUCI NASUTION , MUHAMMAD FAUZAN LUBIS

Intellectual Property Rights

2025

Paten nasional

FORMULA TEH HERBAL DAUN *Nypa fruticans* SEBAGAI IMUNOMODULATOR

MUHAMMAD FAUZAN LUBIS , ADIKA FAJAR PUTRA , EMBUN SUCI NASUTION

2025

Paten nasional

FORMULASI GARAM UNTUK PERENDAMAN KAKI YANG MENGANDUNG RIMPANG JERINGAU (*ACORUS CALAMUS L.*) DAN KULIT BUAH JERUK LEMON (*CITRUS LIMON (L.) OSBECK*) SEBAGAI ANTIBAKTERI

CHEMAYANTI SURBAKTI , MUHAMMAD FAUZAN LUBIS , NUR AIRA JUWITA

2025

Paten nasional

FORMULASI BODY SCRUB DARI GARAM KOSMETIK HERBAL

CHEMAYANTI SURBAKTI , NUR AIRA JUWITA , MUHAMMAD FAUZAN LUBIS , T ISMANELLY HANUM , FEBRIKA BULVIA PUTRI BR LUBIS , NANDA APRIANTY , FIRSTARINA JAUZAH HAYA , CHRISTINE RUTH NOBELIA TOBING

2025

Paten nasional

Peningkatan Pendapatan Masyarakat melalui Pemberdayaan Kulit Rambutan dan Lemon Sebagai Teh Herbal Antioksidan

ADIKA FAJAR PUTRA , MUHAMMAD FAUZAN LUBIS , EMBUN SUCI NASUTION