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Publications

2025
Jurnal internasional bereputasi

SIMULTANEOUS ANALYSIS OF ISONIAZID AND PYRIDOXINE HYDROCHLORIDE IN TABLET DOSAGE FORM USING PARTIAL LEAST SQUARES BASED ON INFRARED SPECTRA PROFILE

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Quantitative Analysis of Amlodipine Besylate and Valsartan in Tablet Dosage Form by Absorption Factor Spectrophotometry Method

SITI MORIN SINAGA , MUCHLISYAM

2022
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PLS Calculation of FTIR and Spectrophotometric Methods for Determination Simultaneous of Dextromethorphan HBr and Glyceryl Guaiacolate in Tablet Mixture

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2021
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Simultaneous Analysis of the Active Ingredients in Ecstasy Tablet as Hyper-Active Drug

HAFID SYAHPUTRA , LISDA RIMAYANI NASUTION , MUCHLISYAM

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Simultaneous Determination of Amlodipine and Valsartan in Tablet by UV Spectrophotometry with Successive Ratio Method

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Evaluation of Antihyperlipidemic and Antidiabetic Activity of Phyllanthus emblica L. Fruits

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2021
Prosiding seminar internasional

Development and Validation of Area Under Curve Spectrophotometry Method for Ternary Mixture of Dextromethorphane HBr, Doxylamine Succinate and Pseudoephedrin HCl in Tablet Dosage Form

MUCHLISYAM , ZUL ALFIAN , SITI MORIN SINAGA

2021
Jurnal internasional

Simultaneous Determination of Dextromethorphan Hydrobromide, Doxylamine Succinate and Pseudoephedrine Hydrochloride in Cough and Cold Syrup by Area Under Curve Spectrophotometry Method

SITI MORIN SINAGA , MUCHLISYAM , ZUL ALFIAN

2020
Jurnal internasional

Application of Ultraviolet Spectrophotometry with Dual Wavelength Method for the Simultaneous Determination of Ecstasy Tablet Content

MUCHLISYAM , SITI MORIN SINAGA

2020
Jurnal internasional

Development and Validation of Double Divisor Ratio Spectra Derivative Spectrophotometry Method for Ternary Mixture of Dextromethorphan Hydrobromide, Doxylamine Succinate and Pseudoephedrine Hydrochloride in Tablet Dosage Form

MUCHLISYAM , SITI MORIN SINAGA , ZUL ALFIAN

2020
Jurnal internasional bereputasi

Improvised and validated of two spectrophotometry method for paralel assay of guaiphenesin, acetaminophen and CTM combine in syrup

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2019
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Chemometric Calculation for Determination of Betamethasone and Neomycin Mixture in Cream Supply by Ultraviolet Spectrophotometry

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2019
Jurnal internasional bereputasi

Formulation and Quantitative Analysis of Betamethasone Valerate and Neomycin Sulfate Cream by High Performance Liquid Chromatography and Spectrophotometry

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2019
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Simultaneous assays of sulfamethoxazole and trimethoprim in suspension dosage form by three analytical methods of UV spectrophotometry

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2019
Jurnal internasional bereputasi

Quantitative Estimation of Anti Hypertension Combination by Ratio Subtraction Spectrophotometry Method

MUCHLISYAM , HAFID SYAHPUTRA , MASFRIA

2019
Jurnal internasional bereputasi

Validation of Intersection Absorption Spectrum For Simultaneous Determination of Betamethasone Valerate and Neomycin Sulfate in Cream

YADE METRI PERMATA , JULIA REVENY , MUCHLISYAM

2019
Jurnal internasional

Validation and Simultaneous Estimation of Bethamethasone Valerate and Neomycin Sulfate Creamby Absorbance Ratio Spectrophotometry Methode

YADE METRI PERMATA , MUCHLISYAM

2018
Jurnal internasional

Quantitative analysis of acetaminophen and ibuprofen mixture in tablet utilizing centered average on spectrum ratio by spectrophotometric technique

MUCHLISYAM

2018
Jurnal internasional

MEAN CENTERING OF RATIO SPECTRA METHOD FOR THE ANALYSIS OF THEOPHYLLINE AND EPHEDRINE HCL MIXTURE IN TABLET

MUCHLISYAM

2018
Jurnal internasional

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

MUCHLISYAM

2018
Jurnal internasional

DETERMINATION OF SIMULTANEOUS SULFAMETHOXAZOLE AND TRIMETHOPRIM BY ULTRAVIOLET SPECTROPHOTOMETRY WITH MEAN CENTERING OF RATIO SPECTRA

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2018
Jurnal internasional bereputasi

Analysis on calcium solubility in kidney stones (In vitro) and diuretic effect (in vivo) using corn silk (Zea Mays L.) infuse

MUCHLISYAM

2017
Jurnal internasional

Development of Derivative Spectrophotometric with Zero Crossing Method for Determination of Paracetamol and Ibuprofen in Tablet

MUCHLISYAM , SITI MORIN SINAGA

2017
Jurnal internasional

Application Ultraviolet Spectrophotometry Method with Multiple Wavelength for Simultaneous Determination Binary Mixture of Pseudoephedrine Hydrocloride and Triprolidine Hydrocloride in Tablet

SITI MORIN SINAGA , MUCHLISYAM

2016
Jurnal internasional

Two Novel Ultraviolet Spectrophotometric Method for Determination Binary Mixture of Isoniazide and Rifampicin in Tablet Dosage Form

GINDA HARO , MUCHLISYAM , SITI MORIN SINAGA

2016
Jurnal internasional

Simultaneous Determination of Amoxicillin and Clavulanate Potassium in Dry Syrup by Derivative Spectrophotometry

MUCHLISYAM , SITI MORIN SINAGA

2016
Jurnal internasional

DEVELOPMENT AND VALIDATION OF DOUBLE DIVISOR RATIO SPECTRA DERIVATIVE SPECTROPHOTOMETRY METHOD FOR TERNARY MIXTURE OF GUAIFENESIN, DEXTROMETHORPHAN HBR, AND DIPHENHYDRAMINE HCL

IN TABLET DOSAGE FORM

MUCHLISYAM

2015
Jurnal internasional

Determination of Mixture of Theophylline and Ephedrine Hydrochloride in Tablets by Derivative Spectrophotometric Method

SITI MORIN SINAGA , MUCHLISYAM

2015
Jurnal internasional

Development method for determination of ternary mixture of paracetamol, ibuprofen and caffeine in tablet dosage form using zero-crossing derivative spectrophotometric

MUCHLISYAM

2014
Jurnal internasional

Development Method for Determination of Ternary Mixture of Paracetamol, Ibuprofen and Caffeine in Tablet Dosage Form Using Zero-crossing Derivative Spectrophotometric

SITI MORIN SINAGA , MUCHLISYAM

2014
Jurnal internasional

Corn cobs hemicelluloses isolation method comparison and its characterization with infra red spectrophotometry (FTIR) and high performance liquid chromatography (HPLC)

MUCHLISYAM

Researches

2024
Penelitian Kerjasama Antar Perguruan Tinggi

KAJIAN KOMPONEN FLAVANOID DALAM UMBI BIT SECARA FTIR DAN ULTRA FAST LIQUID CHROAMTOGRAPHY (UFLC) DAN UJI ANTI BAKTERI SECARA IN-VITRO

MUCHLISYAM , MASFRIA , HAFID SYAHPUTRA

2024

KAJIAN TOKSISITAS AKUT DAN SUBKRONIK ASAP CAIR TEMPURUNG KELAPA (Cocos nucifera L.) SECARA INVIVO SERTA ANALISA SENYAWA TOKSIK

MUCHLISYAM , MASFRIA , HAFID SYAHPUTRA , FATMA SRI WAHYUNI

2024
Penelitian Dana Lokal Perguruan Tinggi

KAJIAN KOMPONEN FLAVANOID DALAM UMBI BIT SECARA FTIR DAN ULTRA FAST LIQUID CHROAMTOGRAPHY (UFLC) DAN UJI ANTI BAKTERI SECARA IN-VITRO

MUCHLISYAM , YADE METRI PERMATA , CHEMAYANTI SURBAKTI , MASFRIA , Rida Evalina Tarigan

2023

ANALISIS SIMULTAN KANDUNGAN KUERSETIN DAN VITAMIN C DALAM TANAMAN TOMAT SECARA SPEKTROFOTOMETRI ULTRA VIOLET

MUCHLISYAM , LISDA RIMAYANI NASUTION

2021

Analisis Terhadap Komponen Ekstasi Dalam Sediaan Tablet Secara GC- MS dan Spektrofotometri Ultra Violet pada Kajian Efek Hiper-Agresif

MUCHLISYAM , LISDA RIMAYANI NASUTION

2020

Analisis Secara Simultan Kandungan Guaifenisin dan Dekstrometorfan HBr dengan Metode Spektrofotometri UV, FTIR DAN LCMS

MUCHLISYAM , YADE METRI PERMATA

2019

Pengembangan Metode Spektroskopi UV dan FTIR terhadap Penetapan Kadar Simultan Parasetamol, Gliseril Guaiacolat dan Klortrimeton

MUCHLISYAM , YADE METRI PERMATA , MASFRIA

2019

Kemampuan Senyawa Flavonoida dari Ekstrak Etanol Phyllanthus Emblica terhadap Penghambatan Enzym Glukosidase dan Kolestrol dengan Metode Spektroskopi

MUCHLISYAM , YADE METRI PERMATA , MASFRIA

2018

Formulasi Krim dengan Bahan Aktif Betametason dan Neomisin Sulfat serta Analisis Simultan secara Metode Spektrofotometri dan Kromatografi Cair Kinerja Tinggi

MUCHLISYAM , YADE METRI PERMATA , JULIA REVENY

Community Services

2024

EDUKASI, PENYULUHAN, DAN PENDAMPINGAN PENGELOLAAN AIR MINUM KEMASAN DI YAYASAN AZ-ZIKRO LAILATUL QODAR DELI SERDANG

MUCHLISYAM , JULIA REVENY , MASFRIA , HAFID SYAHPUTRA

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EDUKASI, PENYULUHAN, PENGELOLAAN AIR MINUM KEMASAN DI YAYASAN AZ-ZIKRO LAILATUL QODAR DELI SERDANG

MUCHLISYAM , JULIA REVENY , MASFRIA , HAFID SYAHPUTRA

2024

EDUKASI, PENYULUHAN, DAN PENDAMPINGAN PENGELOLAAN AIR MINUM KEMASAN DI YAYASAN AZ-ZIKRO LAILATUL QODAR DELI

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2023

PENYULUHAN DAN PELATIHAN PEMANFAATAN LIMBAH TEMPURUNG KELAPA PADA PEMBUATAN ASAP CAIR YANG BERGUNA SEBAGAI PENGAWAET ALAMI BAGI MASYARAKAT DI DESA PEMATANG PASIR KOTA TANJUNG BALAI

MUCHLISYAM , JULIA REVENY , MASFRIA , HAFID SYAHPUTRA

2021
Ipteks Bagi Masyarakat

PENYULUHAN DAN PELATIHAN PEMANFAATAN OLAHAN TUMBUHAN HERBAL SEBAGAI UPAYA PENCEGAHAN PENYAKIT DEGENERATIF KEPADA MASYARAKAT DI DESA NDOKUM SIROGA KABUPATEN KARO

MUCHLISYAM , JULIA REVENY , MASFRIA , HAFID SYAHPUTRA

2020
Ipteks Bagi Masyarakat

PENYULUHAN DAN PELATIHAN PEMANFAATAN REBUSAN HERBAL TERHADAP PENYAKIT YANG UMUM PADA MASYARAKAT

MUCHLISYAM , MARALAUT BATUBARA , MASFRIA , HAFID SYAHPUTRA

2020
Ipteks Bagi Masyarakat

PENINGKATAN SISTEM IMUM UNTUK PENCEGAHAN COVID 19 DENGAN PEMANFAATAN OLAHAN HERBAL

MUCHLISYAM , NAZLINIWATY , JULIA REVENY , MASFRIA , HAFID SYAHPUTRA

2019

Pemanfaatan dan Nilai Jual Batang Kecombrang (Etlingera elatior Jack) sebagai Hand Sanitizer

MUCHLISYAM , NURUL FAJRIAH PINEM , MARALAUT BATUBARA , SUDARMI , MASFRIA

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Paten nasional

METODE PENETAPAN KADAR KUERSETIN DAN VITAMIN C SECARA SIMULTAN TANPA PEMISAHAN MENGGUNAKAN SPEKTROFOTOMETRI ULTRA VIOLET APLIKASI MEAN CENTERING RATIO SPECTRA.

MUCHLISYAM

2024
Paten nasional

Metode Penetapan Kadar Kuersetin dan Vitamin C secara Simultan tanpa Pemisahan dengan Metode Spektrofotometri Ultraviolet menggunakan Mean Centering of Ratio Spectra

LISDA RIMAYANI NASUTION , MUCHLISYAM

2024
Paten nasional

Metode Penetapan Kadar Kuersetin dan Vitamin C secara Simultan tanpa Pemisahan dengan Metode Spektrofotometri Ultraviolet menggunakan Mean Centering of Ratio Spectra

LISDA RIMAYANI NASUTION , MUCHLISYAM

2023
Paten nasional

Metode Penetapan Kadar Multivitamin Aneurin HCl, Piridoksin HCl, Riboflavin Dan Niasianmida Dalam Sediaan Sirup

MUCHLISYAM

2021
Paten nasional

EKSTRAK ETANOL BUAH BALAKKA (Phyllanthus emblica L.) SEBAGAI ANTIKOLESTEROL DAN ANTIDIABETES

YADE METRI PERMATA , MASFRIA , MUCHLISYAM

2020
Paten nasional

Metode Analisis Simultan Campuran Betametason Valerat dan Neomisin Sulfat dengan Aplikasi Area Under Curve Spektrofotometri dalam Sediaan Krim

YADE METRI PERMATA , MUCHLISYAM , FITRI M SIBUEA