Prof. Dr. Zul Alfian, M.Sc

Lecturer of Undergraduate Program in Chemistry Study Program
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Sumatera Utara

zul20@usu.ac.id

USU Faculty of Mathematics and Natural Sciences

fmipa.usu.ac.id/en/lecturer/zul-alfian

Prof. Dr. Zul Alfian, M.Sc., was born in Medan on April 5, 1955, and is a lecturer in the Undergraduate Program in Chemistry at the Universitas Sumatera Utara. He completed a Doctoral Program in Chemistry at UKM in 1994.

Publications

2017
Jurnal internasional

Qualitative and Quantitative Analysis of Heavy Metal and Mineral of Volcanic Ashmount Sinabung by Using Inductively Coupled Plasma (Icp-Oes)

MUHAMMAD TAUFIK , ZUL ALFIAN , EMMA ZAIDAR

2026
Jurnal internasional bereputasi

Bioactivity and Phytochemical Constituents of Extract Etanol from Stem Musa paradisiaca Linn

ZUL ALFIAN

2026
Jurnal nasional terakreditasi

Analisis Kadar Karbon, Nitrogen, Fosfor, dan Kalium dari Tempe Busuk di Pasar Setia Budi Medan

ZUL ALFIAN

2026
Jurnal nasional terakreditasi

Studi Perbandingan Kadar Logam Arsenik (As) dan Besi (Fe) pada Air Zamzam yang Diperdagangkan dan Air Zamzam Mekkah Melalui Metode Inductively Coupled Plasma–Mass SpectrometryÂ …

ZUL ALFIAN

2026
Jurnal internasional bereputasi

THE STUDY OF CHITOSAN-CuO COMPOSITE’S APPLICATION AS ADSORBENT IN THE REMOVAL OF Fe, Mn, AND Zn IN BELAWAN RIVER WATER

ZUL ALFIAN

2026
Jurnal internasional bereputasi

Penentuan Kadar Unsur Kalsium (Ca2+) pada Susu Sapi Murni dan Susu Sapi di Pasar Dengan Metode Spektrofotometri Serapan Atom

ZUL ALFIAN

2026
Jurnal internasional bereputasi

Effect of Addition of Chitosan Derived From Shrimp Shell to Reduce The Caffeine Content of Powder Coffee

ZUL ALFIAN

2026
Jurnal internasional bereputasi

Analysis of the Copper (Cu), Chromium (Cr), and Manganese (Mn) Levels from the Steel Industry Liquid Waste by Atomic Absorption Spectrophotometry Method

ZUL ALFIAN

2026
Jurnal internasional

Study of Natural Radionuclide in Some Plants Food from Karo District Post Eruption of Mount Sinabung North Sumatera

ZUL ALFIAN

2026
Jurnal internasional bereputasi

Andriayani, SJ Samosir,“GC-MS Analysis of Chemical Contents and Physical Properties of Essential Oil of Eucalyptus grandis from PT. Toba Pulp Lestari.”

ZUL ALFIAN

Researches

2018
Penelitian Unggulan Perguruan Tinggi

Analisis Morfin (C17H19NO3) Dalam Darah Tikus Putih Jantan (Rattus Norvegicus) Secara Invivo

ZUL ALFIAN , HARLEM MARPAUNG

2017
Penelitian Dana Lokal Perguruan Tinggi

Optimasi Penentuan Kadar Metapentamin Dalam Rambut Pengguna Sabu-Sabu Dengan Optimalisasi Peralatan GC-MS

ZUL ALFIAN , HARLEM MARPAUNG

Community Services

2020

Ipteks Fasilitasi Sistem Produksi Udang di Desa Rugemuk Kecamatan Pantai Labu Kabupaten Deli Serdang Tahun 2020

ZUL ALFIAN

2020
Penelitian Dana Lokal Perguruan Tinggi

Ipteks Fasilitasi Sistem Produksi Udang di Desa Rugemuk Kecamatan Pantai Labu Kabupaten Deli Serdang Tahun 2020

IRNAWATI MARSAULINA , ZUL ALFIAN

2019
Penelitian Dana Lokal Perguruan Tinggi

Teknologi Pengolahan Sumber Air Baku dari Air Gambut di Dusun I Sei Apung Jaya Kecamatan Tanjung Balai Kabupaten Asahan

IRNAWATI MARSAULINA , ZUL ALFIAN

2017
Penelitian Dana Lokal Perguruan Tinggi

Optimasi Pemisahan Minyak Atsiri Dari Tanaman Nilam (Pogostemon Cablin Benth) Dengan Menggunakan Metode Penyulingan Uap, Udara Panas Dan Perpaduan Antara Uap Dan Udara Panas

ZUL ALFIAN , HARLEM MARPAUNG

2014
Penelitian Hibah Bersaing

Potensi Kitosan Molekul Tinggi Dari Cangkang Belangkas (Tachypleus gigas) Seb