



CURRICULUM VITAE

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Biography

Alizar, S.Pd, M.Sc, Ph.D received his PhD degree in 2012 in the area of optical and electrochemical biosensor from the School of Chemical Sciences and Food Technology, Faculty of Science & Technology, Universiti Kebangsaan Malaysia under the supervision of Professor Dr. Lee Yook Heng and Professor Dr. Musa Ahmad. In year 2007, he received his master of science in chemical science (chemical sensor) from Universiti Kebangsaan Malaysia. After completing his PhD, he worked as a postdoctoral researcher at the Universiti Kebangsaan Malaysia. from 2014 until now he has joined the chemistry department of FMIPA Universitas Negeri Padang as a senior lecturer

Scopus of the Last 5 Years

Development of detection methods for the diagnosis and analysis of highly toxic metal phosphides: A comprehensive and critical review. Biotechnology and Applied Biochemistry, Mohammadinejad A., 2022

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Synthesis of Conducting Polyaniline with Photopolymerization Method and Characterization. Journal of Physics: Conference Series, Joana Sury S.V., 2021

The fabrication of portland composite cement based on pozzolan napa soil. Materials, Mawardi M., 2021

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Sandwich-type DNA micro-optode based on gold??latex spheres label for reflectance dengue virus detection. Sensors (Switzerland), Jeningsih, 2020

Validity and practicality of chemical equilibrium module based on structured inquiry with three levels representation for students grade XI of senior high school. Journal of Physics: Conference Series, Nurhasanah, 2020

- Optimization of complex NH₃ with Cu²⁺ ions to determine levels of ammonia by UV-Vis spectrophotometer. Journal of Physics: Conference Series, Gusputa D., 2020
- Validity and practicality level of structured inquiry-based reaction rate module containing macro, submicro and symbolic representation. Journal of Physics: Conference Series, Murni H.P., 2020
- Design and characterization of membrane molecularly imprinted polymer (MIP) as cholesterol absorbent. Journal of Physics: Conference Series, Niesa J., 2020
- An ammonia optical sensor silca miroospheres doped with nickel(II) ion and reflectance transduction. Rasayan Journal of Chemistry, Ulianias A., 2020
- Synergistic effect of zinc/aluminium-layered double hydroxide-clopyralid carbon nanotubes paste electrode in the electrochemical response of dopamine, acetaminophen, and bisphenol A. International Journal of Electrochemical Science, Azis N.A., 2020
- Systematic review on biosensors for the early detection of mycotoxins as endocrine disruptors. Food Control, Hassan R.A., 2024
- Synthesis and characterization molecularly imprinted polymers (MIPs)-silica as absorption for uric acid in blood. AIP Conference Proceedings, Wahyudi, 2023
- Uric acid analysis using AgNO₃ with UV-Vis spectrophotometry method. AIP Conference Proceedings, A'In N.N., 2023
- Optimization of molecularly imprinted polymers (MIPs) membrane absorption for uric acid. AIP Conference Proceedings, Azwir N., 2023
- Optimization of molecularly imprinted polymers (MIPs) microsphere absorption for uric acid. AIP Conference Proceedings, Fauzi I.G., 2023
- A Nanocomposite Paste Electrode Sensor for Simultaneous Detection of Uric Acid and Bisphenol A Using Zinc Hydroxide Nitrate-Sodium Dodecylsulfate Bispyribac. Sensors (Basel, Switzerland), Yulkifli Y., 2023
- The Construction of Castor Oil (*Ricinus communis L.*) Polyurethane Membrane Embedded 1,10-phenanthroline Graphene as a Cr³⁺ Ion Selective Membrane. Journal of the Electrochemical Society, Safitri E., 2025
- Voltammetric genosensor from silica nanocomposites for transgenic soybean analysis. Journal of Food Composition and Analysis, Tan L.L., 2025
- An Ultrasensitive Electrochemical Enzymatic Urea Biosensor Based on Aniline/N-Butyl Acrylate Conducting Polymer-Modified Screen-Printed Electrode. Sains Malaysiana, Ulianias A., 2024
- Photopolymerization of Imprinted Polymer with Dummy Template for the Recognition of Hydroquinone in Aqueous Medium. Indonesian Journal of Chemistry, Musali N.S., 2024
- A PHOTOCURABLE METHOD FOR COPPER(II) OXIDE-DOPED POLYANILINE CONDUCTING POLYMER MEMBRANE SYNTHESIS. Rasayan Journal of Chemistry, Wulandari S., 2023
- SYNTHESIS AND CHARACTERIZATION OF MOLECULARLY IMPRINTED POLYMERS (MIPs) AS ADSORBENTS FOR METHYLENE BLUE DYE. Rasayan Journal of Chemistry, Alizar U., 2025

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Studi Literatur Penggunaan Bahan Ajar Berorientasi Chemistry Triangle Pada Materi Kimia Terhadap Hasil Belajar Peserta Didik. Ranah Research: Journal of Multidisciplinary Research and Development 3 (2), ..., 2021, KV Sari, A Ulianás, 2021

Synthesis of conducting polyaniline with photopolymerization method and characterization. Journal of Physics: Conference Series 1788 (1), 012004, 2021, SVJ Sury, A Ulianás, S Aini, 2021

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Analisis Miskonsepsi Peserta Didik pada Materi Hidrolisis Garam Menggunakan Instrumen Three-Tier Diagnostic Test di SMAN 2 Solok. Entalpi Pendidikan Kimia 2 (3), 84-92, 2021, Y Suca, A Ulianás, 2021

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Guidance on Writing Proposals and Carrying Out Classroom Action Research (PTK) and Making PTK Reports in Article Form For High School Chemistry Teachers in Bukittinggi City. Pelita Eksakta 3 (2), 129-135, 2020, A Ulianás, M Azhar, E Yusmaita, M Khair, Y Fitria, H Parbuntari, ..., 2020

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Sintesis dan Karakterisasi Magnetik Nanopartikel NiFe₂₀₄ Menggunakan Ekstrak Kulit Buah Naga (*Hylocereus Polyrhizus*). Universitas Negeri Padang, 2020, S Rahmawita, A Ulianás, 2020

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Sintesis Membran Molecularly Imprinted Polymers (MIPs) dengan Metoda Photopolimerisasi sebagai Bahan Penyerap Glukosa. Universitas Negeri Padang, 2020, FA Pihanda, 2020

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Sintesis Polianilin (PANI) yang di Doping Besi (III) Oksida Menggunakan Metode Fotopolimerisasi. Periodic 12 (3), 8-12, 2023, N Nofianti, A Ulianás, D Kurniawati, 2023

Pengembangan Lembar Kerja Peserta Didik (LKPD) Kimia Hijau Berbasis Problem Based Learning Untuk Fase E. Jurnal Pendidikan Tambusai 7 (3), 24428-24435, 2023, NF Zai, A Ulianás, 2023

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Effectiveness of Discord Instructional Media Integrated with Flipped Classroom and Guided Inquiry Learning on Reaction Rates on Students Learning Outcomes. Jurnal Penelitian Pendidikan IPA 10 (1), 108-115, 2024, R Akmar, M Mawardi, A Ulianás, FQ Aini, 2024

Pengaruh Temperatur Pirolisis Terhadap Karakteristik Biochar dari Limbah Padat Agroindustri Teh. INSOLOGI: Jurnal Sains dan Teknologi 2 (6), 1173-1183, 2023, H Aini, P Rahayu, A Ulianás, E Agustian, A Sulawatty, 2023

Research of the Last 5 Years

Pengembangan Dan Karakterisasi Molecularly Imprinted Polymer Silika Nanomaterial Dari Bahan Alam Sebagai Bahan Biosensor Dan Sensor Kimia. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Alizar, Implementation Year: 2022

Pengembangan Sensor Glukosa Portabel Dengan Display Smartphone Android Berbasis Bahan Nano Material. Ptpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Terapan, Leader: Yulkifli, Implementation Year: 2021

Desain Dan Karakterisasi Nanomaterial Conducting Molecularly Imprinted Polymer (c-mips) Sebagai Bahan Dasar Biosensor/sensor Kimia. Pdpt-penelitian Dasar, Leader: Alizar, Implementation Year: 2021

Sintesis Dan Karakterisasi Nanomaterial Sebagai Bahan Sensor Sianida. Penelitian Dasar, Leader: Alizar, Implementation Year: 2021

Pengembangan Dan Karakterisasi Molecularly Imprinted Polymer Silika Nanomaterial Dari Bahan Alam Sebagai Bahan Biosensor Dan Sensor Kimia. Pdpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Dasar, Leader: Alizar, Implementation Year: 2021

Sintesis Nanomaterial Molecularly Imprinted Polymers (mips) Dengan Metode Potopolimerisasi Dan Karakterisasinya Untuk Bahan Biosensor & Sensor Kimia. Penelitian Dasar Unggulan Perguruan Tinggi, Leader: Alizar, Implementation Year: 2020

Desain Dan Karakterisasi Nanomaterial Conducting Molecularly Imprinted Polymer (c-mips) Sebagai Bahan Dasar Biosensor/sensor Kimia. Penelitian Dasar, Leader: Alizar, Implementation Year: 2020

Desain Biosensor/sensor Elektrokimia Berasaskan Mips Dan Screen Printed Electrode (spe) Untuk Deteksi Kolesterol. Penelitian Kerjasama Pt Luar Negeri Dasar, Leader: Alizar, Implementation Year: 2020

Sintesis Dan Karakterisasi Nanomaterial Sebagai Bahan Sensor Sianida. Penelitian Dasar, Leader: Alizar, Implementation Year: 2020

Pengembangan Sensor Glukosa Portabel Dengan Display Smartphone Android Berbasis Bahan Nano Material. Penelitian Kerjasama Pt Luar Negeri Terapan, Leader: Yulkifli, Implementation Year: 2020

Community Service of the Last 5 Years

Pelatihan Pembuatan Media Pembelajaran Ppt-ispring Berbasis Ict Dengan Penekanan Pada Tiga Level Representasi Kimia Bagi Guru Kimia Smk Dan Sma N Kabupaten Padang Pariaman. Program Kemitraan Masyarakat (pkm), Leader: Minda Azhar, Implementation Year: 2021

Pelatihan Pengembangan Media Pembelajaran Powerpoint-ispring Berbasis Ict Dengan Penekanan Pada Tiga Level Representasi Untuk Guru Fisika, Kimia Dan Biologi Man 2 Kota Padang. Program Kemitraan Masyarakat (pkm), Leader: Minda Azhar, Implementation Year: 2020

Penerapan Model Pembelajaran Flipped Classroom Berbasis Guided Inquiry (fgil) Pada Pembelajaran Kimia Sma Di Kota Bukittinggia Sebagai Model Untuk Pembelajaran Digital Di Era Revolusi Industri 4.0. Program Pengembangan Produk Unggulan Pt (p3upt), Leader: Mawardi, Implementation Year: 2023

Penanggulangan Bahan Kimia Tidak Terpakai Dan Kadaluarsa Di Laboratorium Sma Negeri 1 Vii Koto Sungai Sarik Padang Pariaman. Program Kemitraan Masyarakat (pkm), Leader: Alizar, Implementation Year: 2023

IPR's of the Last 5 Years

Book of the Last 5 Years