



CURRICULUM VITAE

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Biography

Scopus of the Last 5 Years

Alkaline leaching-carbon from sugarcane solid waste for screen-printed carbon electrode. Chemical Papers, Rahmawati F., 2023

Exploring Indigenous Knowledge of Traditional Martial Art â??Silat Beksiâ?• to Identify Contents and Contexts for Science Learning in Biology Education. Pegem Egitim ve Ogretim Dergisi, Elvianasti M., 2023

Effect of ultrafine grinding and ultrasonication duration on the performance of polyvinyl alcohol (PVA) agave gigantea cellulose micro fiber (CMF) bio-composite film. Journal of Natural Fibers, Syafri E., 2023

Graphene/iridium(III) dimer complex composite modified glassy carbon electrode as selective electrochemical sensor for determination of hydroquinone in real-life water samples. International Journal of Environmental Analytical Chemistry, Mohd Yazid S.N.A., 2022

Herbal combination from Moringa oleifera Lam. and Curcuma longa L. as SARS-CoV-2 antiviral via dual inhibitor pathway: A viroinformatics approach. Journal of Pharmacy and Pharmacognosy Research, Kharisma V.D., 2022

Bioactive Compounds from Mangosteen (Garcinia mangostana L.) as an Antiviral Agent via Dual Inhibitor Mechanism against SARS-CoV-2: An In Silico Approach. Pharmacognosy Journal, Ansori A.N.M., 2022

Sensitive determination of uric acid at layered zinc hydroxidesodium dodecyl sulphate-propoxur nanocomposite. Journal of Electrochemical Science and Engineering, Tajudin M.H.A., 2022

ELECTROLYTE OPTIMIZATION ON DRY CELL GENERATOR ELECTROLYSIS SYSTEM FOR PRODUCING HYDROGEN GAS USING RSM METHOD (RESPONSE SURFACE METHOD). Rasayan Journal of Chemistry, , 2022

Enhanced Electrochemical Sensor for Electrocatalytic Glucose Analysis in Orange Juices and Milk by the Integration of the Electron-Withdrawing Substituents on Graphene/Glassy Carbon Electrode. Journal of Analytical Methods in Chemistry, Zainul R., 2022

Macroalgae Bioactive Compounds for the Potential Antiviral of SARS-CoV-2: An In Silico Study. Journal of Pure and Applied Microbiology, Ansori A.N.M., 2022

Utilization of Secondary Metabolites in Algae Kappaphycus alvarezii as a Breast Cancer Drug with a Computational Method. Pharmacognosy Journal, Dibha A.F., 2022

In Silico Phytochemical Compounds Screening of Allium sativum Targeting the Mpro of SARS-CoV-2. Pharmacognosy Journal, Listiyani P., 2022

Potential Roles of Purslane (Portulaca oleracea L.) as Antimetabolic Syndrome: A Review. Pharmacognosy Journal, Aini N.S., 2022

The Development of the Educational Game to Improve Logical/ Mathematical Intelligence. Journal of Higher Education Theory and Practice, Rakimahwati, 2022

Hydrocracking of crude palm oil to a biofuel using zirconium nitride and zirconium phosphide-modified bentonite. RSC Advances, Hasanudin H., 2022

In Silico Screening of Bioactive Compounds from *Syzygium cumini* L. and *Moringa oleifera* L. Against SARS-CoV-2 via Tetra Inhibitors. Pharmacognosy Journal, Aini N.S., 2022

Bioactive Compounds from Purslane (*Portulaca oleracea* L.) and Star Anise (*Illicium verum* Hook) as SARS-CoV-2 Antiviral Agent via Dual Inhibitor Mechanism: In Silico Approach. Pharmacognosy Journal, Aini N.S., 2022

Multi-Strain Human Papillomavirus (HPV) Vaccine Innovation via Computational Study: A Mini Review. Research Journal of Pharmacy and Technology, Kharisma V.D., 2022

Virtual Laboratory-Based Game Application: The Quality and Its Effects Towards Students's Motivation and Self-Regulated Learning. International Journal of Interactive Mobile Technologies, Suyanta, 2022

The phytochemical and pharmacological activity of extract Kirinyuh (*Chromolaena odorata* L.) leaves: A Review. Pharmacognosy Journal, Harfiani E., 2022

In Silico Study of Entry Inhibitor from *Moringa oleifera* Bioactive Compounds against SARS-CoV-2 Infection. Pharmacognosy Journal, Mawaddani N., 2022

In Silico Screening of Bioactive Compounds from *Garcinia mangostana* L. Against SARS-CoV-2 via Tetra Inhibitors. Pharmacognosy Journal, Aini N.S., 2022

Combustion and Emission Characteristics of CNG-Diesel Dual Fuel Engine with Variation of Air Fuel Ratio. Automotive Experiences, Yuvenda D., 2022

Nano Transdermal Delivery Potential of Fucoidan from *Sargassum* sp. (Brown Algae) as Chemoprevention Agent for Breast Cancer Treatment. Pharmacognosy Journal, Hamami S.M.A., 2022

The Potential of Antivirus Compounds in Gletang (*Tridax procumbens* Linn.) in Inhibiting 3CLpro Receptor of SARS-CoV-2 Virus by In Silico. Pharmacognosy Journal, Islamiati Y., 2022

In Silico Study of the Potential of Endemic Sumatra Wild Turmeric Rhizomes (*Curcuma Sumatrana*: Zingiberaceae) As Anti-Cancer. Pharmacognosy Journal, Rahman A.T., 2022

Correlation of the Presence of Non Structural-1 (NS1) Antigen Dengue Virus with Severity of Dengue Infection. Pharmacognosy Journal, Baihaki I., 2022

Chitosan as a coating material in enhancing the controlled release behaviour of zinc hydroxide nitrate-sodium dodecylsulphate-bispyribac nanocomposite. Chemical Papers, Sharif S.N.M., 2021

Polymeric Nanocomposite-Based Herbicide of Carboxymethyl Cellulose Coated-Zinc/Aluminium Layered Double Hydroxide-Quinclorac: A Controlled Release Purpose for Agrochemicals. Journal of Polymers and the Environment, Sharif S.N.M., 2021

Improving Students' Critical Thinking Skills through Student Worksheet Colloid Systems Based on Discovery Learning and Multiple Representations at Senior High School. Journal of Physics: Conference Series, Sari Z.R.P., 2021

Activation and Modification of Natural Silica for Anion Adsorbent. Journal of Physics: Conference Series, Oktavia B., 2021

E-Learning Development on Basic Chemical Law Materials in Senior High School (SMA/MA) to Improve High Order Thinking Skill Ability. Journal of Physics: Conference Series, Afrianti T., 2021

Development of voltammetry analysis method of copper metal ions by solid-state membrane with carbon nanotube. Indonesian Journal of Chemistry, Suyanta, 2021

Rendang lokan: history, symbol of cultural identity, and food adaptation of Minangkabau tribe in West Sumatra, Indonesia. Journal of Ethnic Foods, Fatimah S., 2021

The effect of swellable carboxymethyl cellulose coating on the physicochemical stability and release profile of a zinc hydroxide nitrate-sodium dodecylsulphate-imidacloprid. Chemical Physics Impact, Sharif S.N.M., 2021

Magnesium layered hydroxide-3-(4-methoxyphenyl) propionate modified single-walled carbon nanotubes as sensor for simultaneous determination of Bisphenol A and Uric Acid. International Journal of Electrochemical Science, Zainul R., 2021

MOLECULAR DOCKING AND DYNAMIC SIMULATION OF ENTRY INHIBITOR FROM TAMARINDUS INDICA BIOACTIVE COMPOUNDS AGAINST SARS-COV-2 INFECTION VIA VIROINFORMATICS STUDY. Biochemical and Cellular Archives, Kharisma V.D., 2021

Preparation of TiO₂ thin layer on ceramics using dip coating method for degradation humic acid. Journal of Physics: Conference Series, Maurani R.N., 2020

Catalytic activity of nano ZnO/Cu for degradation humic acid under illumination outdoor light. Journal of Physics: Conference Series, Mandar S., 2020

Study of dynamically catalytic system on humic acid phototransformer. Journal of Physics: Conference Series, Djasli Y.A., 2020

Design of rotary photoreactor using nano Cu/TiO₂ for degradation humic acid in outdoor visible light. Journal of Physics: Conference Series, Zilla R., 2020

The impact of a hygroscopic chitosan coating on the controlled release behaviour of zinc hydroxide nitrate-sodium dodecylsulphate-imidacloprid nanocomposites. New Journal of Chemistry, Sharif S.N.M., 2020

Synthesis and characterisation of zinc hydroxides nitrates-sodium dodecyl sulphate fluazinam nano hosts for release properties. Journal of Porous Materials, MadJin H.M., 2020

Development of Content Learning System in Professional Education Subjects for Educational Institutions in Indonesia. Journal of Physics: Conference Series, Adri M., 2020

Development of Moodle-based Content Learning System in MKDK Student Development Subjects at LPTK in Indonesia. Journal of Physics: Conference Series, Sriadhi, 2020

Development of e-Learning Courses for Subjects about 'Learn and Learning' with Moodle-based for Prospective Teacher in Indonesia. Journal of Physics: Conference Series, Zainul R., 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

Web of Science (WoS) of the Last 5 Years

Graphene/iridium(III) dimer complex composite modified glassy carbon electrode as selective electrochemical sensor for determination of hydroquinone in real-life water samples. INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, Yazid, SNAM; Isa, IM; Ali, NM; Hashim, N; Saidin, MI; Ahmad, MS; Asiri, AM; Khan, A; Zainul, R;., 2022

Herbal combination from Moringa oleifera Lam. and Curcuma longa L. as SARS-CoV-2 antiviral via dual inhibitor pathway: A viroinformatics approach. JOURNAL OF PHARMACY & PHARMACOGNOSY RESEARCH, Kharisma, VD; Agatha, A; Ansori, ANM; Widyananda, MH; Rizky, WC; Dings, TGA; Derkho, M; Lykasova, I; Antonius, Y; Rosadi, I; Zainul, R;., 2022

Sensitive determination of uric acid at layered zinc hydroxide-sodium dodecyl sulphate-propoxur nanocomposite. JOURNAL OF ELECTROCHEMICAL SCIENCE AND ENGINEERING, Tajudin, MHA; Ahmad, MS; Isa, IM; Hashim, N; Ul-Hamid, A; Saidin, MI; Zainul, R; Si, SM;., 2022

Enhanced Electrochemical Sensor for Electrocatalytic Glucose Analysis in Orange Juices and Milk by the Integration of the Electron-Withdrawing Substituents on Graphene/Glassy Carbon Electrode. JOURNAL OF ANALYTICAL METHODS IN CHEMISTRY, Zainul, R; Isa, IM; Yazid, SNAM; Hashim, N; Sharif, SNM; Saidin, MI; Ahmad, MS; Suyanta, MS; Amir, Y;., 2022

Macroalgae Bioactive Compounds for the Potential Antiviral of SARS-CoV-2: An In Silico Study. JOURNAL OF PURE AND APPLIED MICROBIOLOGY, Padmi, H; Kharisma, VD; Ansori, ANM; Sibero, MT; Widyananda, MH; Ullah, ME; Gumenyuk, O; Chylichcova, S; Bratishko, N; Prasedya, ES; Sucipto, TH; Zainul, R;., 2022

Chitosan as a coating material in enhancing the controlled release behaviour of zinc hydroxide nitrate-sodium dodecylsulphate-bispyribac nanocomposite. CHEMICAL PAPERS, Sharif, SNM; Hashim, N; Isa, IM; Bakar, SA; Saidin, MI; Ahmad, MS; Mamat, M; Hussein, MZ; Zainul, R;., 2021

Polymeric Nanocomposite-Based Herbicide of Carboxymethyl Cellulose Coated-Zinc/Aluminium Layered Double Hydroxide-Quinclorac: A Controlled Release Purpose for Agrochemicals. JOURNAL OF POLYMERS AND THE ENVIRONMENT, Sharif, SNM; Hashim, N; Isa, IM; Abu Bakar, S; Saidin, MI; Ahmad, MS; Mamat, M; Hussein, MZ; Zainul, R;., 2021

Magnesium layered hydroxide-3-(4-methoxyphenyl) propionate modified single-walled carbon nanotubes as sensor for simultaneous determination of Bisphenol A and Uric Acid. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, Zainul, R; Hashim, N; Yazid, SNAM; Sharif, SNM; Ahmad, MS; Saidin, MI; Suyanta; Sobry, MMC; Isa, IM;., 2021

Development of Voltammetry Analysis Method of Copper Metal Ions by Solid-State Membrane with Carbon Nanotube. INDONESIAN JOURNAL OF CHEMISTRY, Suyanta; Sunarto; Padmaningrum, RT; Karlinda; Isa, IM; Rahadian;., 2021

The effect of swellable carboxymethyl cellulose coating on the physicochemical stability and release profile of a zinc hydroxide nitrate-sodium dodecylsulphate-imidacloprid. CHEMICAL PHYSICS IMPACT, Sharif, SNM; Hashim, N; Isa, IM; Abu Bakar, S; Saidin, MI; Ahmad, MS; Mamat, M; Hussein, MZ; Zainul, R; Kamari, A;., 2021

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, Abd Azis, N; Isa, IM; Hashim, N; Ahmad, MS; Yazid, SNAM; Saidin, MI; Si, SM; Zainul, R; Ulianas, A; Mawardi, M; Mukdasai, S;., 2020

The impact of a hygroscopic chitosan coating on the controlled release behaviour of zinc hydroxide nitrate-sodium dodecylsulphate-imidacloprid nanocomposites. NEW JOURNAL OF CHEMISTRY, Sharif, SNM; Hashim, N; Isa, IM; Abu Bakar, S; Saidin, MI; Ahmad, MS; Mamat, M; Hussein, MZ; Zainul, R;, 2020

Synthesis and characterisation of zinc hydroxides nitrates-sodium dodecyl sulphate fluazinam nano hosts for release properties. JOURNAL OF POROUS MATERIALS, MadJin, HM; Hashim, N; Isa, IM; Hussein, MZ; Bakar, SA; Mamat, M; Ahmad, R; Zainul, R;, 2020

Google Scholar of the Last 5 Years

ANTIBACTERIAL PROPERTIES OF PAINT WITH THE ADDITION OF ZNO NANOPARTICLES. ELECTROLYTE 2 (01), 1-12, 2023, W Agustin, R Zainul, 2023

EFFECT OF TiO₂ ADDITION AS ANTIBACTERIAL AGENT IN PORTLAND CEMENT WITH DISC DIFFUSION METHOD. ELECTROLYTE 2 (01), 44-54, 2023, W Prima, R Zainul, 2023

Validity of Guided Discovery Learning-Based Content Learning System to Improve Learning Outcomes in Acid-Base Materials. Unima International Conference on Social Sciences and Humanities (UNICSSHÂ ..., 2023, M Ma'firah, R Zainul, 2023

Alkaline leaching-carbon from sugarcane solid waste for screen-printed carbon electrode. Chemical Papers 77 (6), 3399-3411, 2023, F Rahmawati, KR Heliani, AT Wijayanta, R Zainul, K Wijaya, T Miyazaki, ..., 2023

Exploring Indigenous Knowledge of Traditional Martial Art "Silat Beksi" to Identify Contents and Contexts for Science Learning in Biology Education. Pegem Journal of Education and Instruction 13 (2), 371-385, 2023, M Elvianasti, L Lufri, R Zainul, F Festiyed, S Diliarosta, R Zidny, ..., 2023

Description of Student Learning Difficulties in Material Colligative Properties of Solutions at MAN 2 Padang City, West Sumatera, Indonesia. CHEMISTRY SMART 2 (01), 2023, H Husna, R Zainul, 2023

Effect of ultrafine grinding and ultrasonication duration on the performance of polyvinyl alcohol (PVA) agave gigantea cellulose micro fiber (CMF) bio-composite film. Journal of Natural Fibers 20 (1), 2192545, 2023, E Syafri, J Jamaluddin, NH Sari, M Mahardika, L Suryanegara, R Sinaga, ..., 2023

Study of Synthesis of CuO Nanoparticles with Sol-Gel Method and Its Application as Antibacterial Agent in Portland Cement. ELECTROLYTE 2 (02), 2023, RO Ramadhani, R Zainul, 2023

Plagiarisme Check: Effect of ultrafine grinding and ultrasonication duration on the performance of polyvinyl alcohol (PVA) agave gigantea cellulose micro fiber (CMF) bioÂ Taylor & Francis, 2023, E Syafri, J Jamaluddin, NH Sari, M Mahardika, L Suryanegara, R Sinaga, ..., 2023

Synthesis of sodium silicate (Na₂SiO₃) from natural silica using sodium hydroxide (NaOH). AIP Conference Proceedings 2673 (1), 2023, B Oktavia, I Ramadhani, R Zainul, 2023

Electrolyte Optimization Study On Dry Cell Generator Electrolysis System For Producing Hydrogen Gas Using RSM Method (Response SurfaceMethod). EKSAKTA: Berkala Ilmiah Bidang MIPA 24 (02), 226-236, 2023, ST Rahmi, EU Rahmad, D Purnamasari, R Zainul, 2023

Trend Riset Keteknik Di Era New Normal: Peluang Dan Tantangan. Prosiding Seminar Nasional Ilmu Sosial dan Teknologi (SNISTEK), 164-169, 2022, R Zainul, 2022

Bioactive compounds from mangosteen (*Garcinia mangostana* L.) as an antiviral agent via dual inhibitor mechanism against SARSCoV-2: an in silico approach. *Pharmacognosy Journal* 14 (1), 2022, ANM Ansori, VD Kharisma, AA Parikesit, FA Dian, RT Probojati, ..., 2022

SURFACE MODIFICATION ON ZLH-DS-ISO NANOCOMPOSITE FOR CONTROLLED RELEASE AND KINETIC BEHAVIOUR OF ISOPROCARB ANION: <https://doi.org/10.37178/ca-c.21.5.085>. *CENTRAL ASIA AND THE CAUCASUS* 23 (1), 2056-2085, 2022, Z Muda, N Hashim, NA Bakar, IM Isa, WRW Mahamod, SNM Sharif, ..., 2022

Sensitive determination of uric acid at layered zinc hydroxide-sodium dodecyl sulphate-propoxur nanocomposite. *Journal of Electrochemical Science and Engineering* 12 (2), 331-341, 2022, MHA Tajudin, MS Ahmad, IM Isa, N Hashim, A UI-Hamid, MI Saidin, ..., 2022

Jurnal Pendidikan MIPA. *Jurnal Pendidikan* 23 (1), 256-265, 2022, AP Lubis, RZ Ellizar, UK Nizar, 2022

Enhanced Electrochemical Sensor for Electrocatalytic Glucose Analysis in Orange Juices and Milk by the Integration of the Electron-Withdrawing Substituents on Graphene/Glassyâ *Journal of Analytical Methods in Chemistry* 2022, 2022, R Zainul, IM Isa, AM Yazid, S Nur, N Hashim, SN Mohd Sharif, MI Saidin, ..., 2022

Development of Chemical Equilibrium E-Module Guided by 5E Instructional Model with Interactive Virtual Laboratory. *Jurnal Pendidikan MIPA* 23 (1), 256-265, 2022, AP Lubis, E Ellizar, R Zainul, UK Nizar, 2022

Biological Activity of Kencur (*Kaempferia Galanga* L.) against SARS-CoV-2 Main Protease: In Silico Study. *International Journal of Health Sciences*, 2022, AF Dibha, S Wahyuningsih, VD Kharisma, ANM Ansori, MH Widyananda, ..., 2022

Utilization of secondary metabolites in algae *Kappaphycus alvarezii* as a breast cancer drug with a computational method. *Pharmacognosy Journal* 14 (3), 2022, AF Dibha, S Wahyuningsih, ANM Ansori, VD Kharisma, MH Widyananda, ..., 2022

In silico phytochemical compounds screening of *Allium sativum* targeting the Mpro of SARS-CoV-2. *Pharmacognosy Journal* 14 (3), 2022, P Listiyani, VD Kharisma, ANM Ansori, MH Widyananda, RT Probojati, ..., 2022

Potential Roles of Purslane (*Portulaca oleracea* L.) as Antimetabolic Syndrome: A Review. *Pharmacognosy Journal* 14 (3), 2022, NS Aini, ANM Ansori, VD Kharisma, MF Syadzha, MH Widyananda, ..., 2022

Potential Roles of Purslane (*Portulaca oleracea* L.) as Antimetabolic Syndrome: A Review.. *Pharmacognosy Journal* 14 (3), 2022, NS Aini, ANM Ansori, VD Kharisma, MF Syadzha, MH Widyananda, ..., 2022

In Silico Phytochemical Compounds Screening of *Allium sativum* Targeting the Mpro of SARS-CoV-2.. *Pharmacognosy Journal* 14 (3), 2022, P Listiyani, VD Kharisma, ANM Ansori, MH Widyananda, RT Probojati, ..., 2022

Hydrocracking of crude palm oil to a biofuel using zirconium nitride and zirconium phosphide-modified bentonite. *RSC advances* 12 (34), 21916-21925, 2022, H Hasanudin, WR Asri, IS Zulaikha, C Ayu, A Rachmat, F Riyanti, ..., 2022

Macroalgae bioactive compounds for the potential antiviral of SARS-CoV-2: An in silico study. *J Pure Appl Microbiol* 16 (2), 1018-27, 2022, H Padmi, VD Kharisma, ANM Ansori, MT Sibero, MH Widyananda, ..., 2022

The Development of the Educational Game to Improve Logical/Mathematical Intelligence. *Journal of Higher Education Theory and Practice* 22 (7), 11-19, 2022, S Ismet, R Zainul, D Roza, A Mukminin, 2022

Pengaruh Pengadukan pada Degradasi Asam Humat Menggunakan Reaktor Mobile Heksagonal. *Periodic* 11 (2), 27-30, 2022, FY Hawari, R Zainul, S Aini, UK Nizar, 2022

Pengembangan E-Content Berbasis Discovery Learning pada Materi Ikatan Kimia Kelas X SMA/MA. Entalpi Pendidikan Kimia, 77-84, 2022, V Erlina, R Zainul, 2022

Effect of Hexane Addition on Mesoporous Silica Crystal Size Using Na₂SiO₃ from Chert Stone. Periodic 11 (2), 36-39, 2022, P Meilita, S Aini, F Azra, R Zainul, 2022

Pengaruh Penambahan Konsentrasi (NH₂)₂CO Terhadap Karakteristik TiO₂ dan Aktifitas Fotokatalitiknya Dalam Mendegradasi Methylene Blue. Periodic 11 (2), 61-64, 2022, NE Mudia, R Zainul, D Beri, S Aini, 2022

Development Of Android Application For Green Chemicals In The 2030 Sustainable Development For Grae X at The Activator School In Senior High Schools. CHEMISTRY SMART 1 (02), 1-7, 2022, RMP Meysa, R Zainul, 2022

Development of an E-module Chemistry Based Discovery Learning in Oriented Chemoentrepreneurship Buffer Solution Material for class XI SMA/MA. CHEMISTRY SMART 1 (02), 8-15, 2022, W Syafitri, R Zainul, 2022

Degradasi Asam Humat Dengan Katalis TiO₂/N Menggunakan Cahaya Matahari. Periodic 11 (2), 84-88, 2022, SR Ayunda, R Zainul, B Oktavia, A Putra, 2022

Degradasi Rhodamin B Menggunakan Katalis TiO₂-N Dan Oksidator Hidrogen Peroksida. Periodic 11 (2), 89-92, 2022, CD Marca, R Zainul, 2022

Bioactive Compounds from Purslane (*Portulaca oleracea* L.) and Star Anise (*Illicium verum* Hook) as SARS-CoV-2 Antiviral Agent via Dual Inhibitor Mechanism: In Silico Approach. Pharmacognosy Journal 14 (4), 2022, NS Aini, VD Kharisma, MH Widyananda, AAA Murtadlo, RT Probojati, ..., 2022

The Development of the Educational Game to Improve Logical/Mathematical Intelligence.. Journal of Higher Education Theory & Practice 22 (7), 2022, S Ismet, R Zainul, D Roza, A Mukminin, 2022

Development of Android Application Module on Guided Inquiry On Chemical Bonding Topik For Class X SMA/MA. CHEMISTRY SMART 1 (02), 25-31, 2022, A Khairunnisa, RZR Zainul, 2022

The Development of E-Module Based on Guided Inquiry Learning on the Fundamental Laws of Chemistry Topic for X Grade. CHEMISTRY SMART 1 (02), 16-24, 2022, F Oktafia, RZR Zainul, 2022

Graphene/iridium (III) dimer complex composite modified glassy carbon electrode as selective electrochemical sensor for determination of hydroquinone in real-life water samples. International Journal of Environmental Analytical Chemistry 102 (11), 2607-2624, 2022, SNA Mohd Yazid, I Md Isa, NM Ali, N Hashim, MI Saidin, MS Ahmad, ..., 2022

SURFACE MODIFICATION ON ZLH-DS-ISO NANOCOMPOSITE FOR CONTROLLED RELEASE AND KINETIC BEHAVIOUR OF ISOPROCARB ANION.. Central Asia & the Caucasus (14046091) 23 (1), 2022, Z Muda, N Hashim, NA Bakar, IM Isa, WR Wan Mahamod, ..., 2022

In silico screening of bioactive compounds from *Syzygium cumini* L. and *moringa oleifera* L. against SARS-CoV-2 via tetra inhibitors. Pharmacognosy Journal 14 (4), 2022, NS Aini, VD Kharisma, MH Widyananda, AAA Murtadlo, RT Probojati, ..., 2022

Multi-strain human papillomavirus (HPV) vaccine innovation via computational study: A mini review. Research Journal of Pharmacy and Technology 15 (8), 3802-3807, 2022, VD Kharisma, ANM Ansori, V Jakhmola, WC Rizky, MH Widyananda, ..., 2022

Implementasi Model Blended Learning Sebagai Alternatif Pembelajaran pada era 4.0. Authentic Learning 1 (01), 19-24, 2022, W Syafitri, R Zainul, 2022

Bioactive Compounds from Purslane (*Portulaca oleracea* L.) and Star Anise (*Illicium verum* Hook) as SARS-CoV-2 Antiviral Agent via Dual Inhibitor Mechanism: In Silico Approach.. *Pharmacognosy Journal* 14 (4), 2022, NS Aini, VD Kharisma, MH Widyananda, AA Ali Murtadlo, RT Probojati, ..., 2022

In Silico Study of Entry Inhibitor from *Moringa oleifera* Bioactive Compounds against SARS-CoV-2 Infection. *Pharmacognosy Journal* 14 (5), 2022, N Mawaddani, E Sutiyaniti, MH Widyananda, VD Kharisma, DDR Turista, ..., 2022

In Silico Screening of Bioactive Compounds from *Garcinia mangostana* L. Against SARS-CoV-2 via Tetra Inhibitors. *Pharmacognosy Journal* 14 (5), 2022, NS Aini, VD Kharisma, MH Widyananda, AAA Murtadlo, RT Probojati, ..., 2022

The phytochemical and pharmacological activity of extract Kirinyuh (*Chromolaena odorata* L.) leaves: A Review. *Pharmacognosy Journal* 14 (5), 2022, E Harfiani, Y Nugraha, CA Aprilia, FA Makkiyah, R Puspita, VD Kharisma, ..., 2022

Effectiveness of Guided Discovery-Based Worksheets to Improve Learning Outcomes in Acid-Base Concept. *Jurnal Pendidikan MIPA* 23 (4), 1347-1357, 2022, M Ma'firah, R Zainul, 2022

Development of Problem Based Learning Based E-Modules on Salt Hydrolysis Materials to Improve Students Science Literature. *Jurnal Penelitian Pendidikan IPA* 8 (5), 2410-2416, 2022, F Gusman, I Dewata, A Andromeda, R Zainul, 2022

Pengaruh Pengadukan Pada Degradasi Methylene Blue Menggunakan Katalis ZnO Terdoping Cu. *Periodic* 11 (3), 43-47, 2022, N Nurullita, R Zainul, 2022

The Use of Sigil Software in The Development of Guided Discovery Learning-Based E-Modules for Teachers of Chemical MGMP Padang Panjang. *Pelita Eksakta* 5 (2), 76-82, 2022, B Oktavia, A Fauzi, R Zainul, FK Kamal, 2022

Combustion and Emission Characteristics of CNG-Diesel Dual Fuel Engine with Variation of Air Fuel Ratio. *Automotive Experiences* 5 (3), 507-527, 2022, D Yuvenda, B Sudarmanta, J Jamaludin, O Muraza, RP Putra, R Lapisa, ..., 2022

The Potential of Antivirus Compounds in Gletang (*Tridax procumbens* Linn.) in Inhibiting 3CLpro Receptor of SARS-CoV-2 Virus by In Silico. *Pharmacognosy Journal* 14 (6), 2022, Y Islamiati, Y Suryani, A Adawiyah, O Taufiqurrohman, VD Kharisma, ..., 2022

Nano Transdermal Delivery Potential of Fucoidan from *Sargassum* sp.(Brown Algae) as Chemoprevention Agent for Breast Cancer Treatment. *Pharmacognosy Journal* 14 (6), 2022, SMA Hamami, M Fai, AF Aththar, MNZ Zakaria, VD Kharisma, ..., 2022

In Silico Study of the Potential of Endemic Sumatra Wild Turmeric Rhizomes (*Curcuma Sumatrana*: Zingiberaceae) As Anti-Cancer. *Pharmacognosy Journal* 14 (6), 2022, AT Rahman, A Jethro, P Santoso, VD Kharisma, AAA Murtadlo, ..., 2022

Correlation of the Presence of Non Structural-1 (NS1) Antigen Dengue Virus with Severity of Dengue Infection. *Pharmacognosy Journal* 14 (6), 2022, I Baihaki, BE Dewi, VD Kharisma, AAA Murtadlo, MB Tamam, ..., 2022

The Potential of Antivirus Compounds in Gletang (*Tridax procumbens* Linn.) in Inhibiting 3CLpro Receptor of SARS-CoV-2 Virus by In Silico.. *Pharmacognosy Journal* 14 (6), 2022, Y Islamiati, Y Suryani, A Adawiyah, O Taufiqurrohman, VD Kharisma, ..., 2022

Correlation of the Presence of Non Structural-1 (NS1) Antigen Dengue Virus with Severity of Dengue Infection.. *Pharmacognosy Journal* 14 (6), 2022, I Baihaki, BE Dewi, VD Kharisma, AAA Murtadlo, MB Tamam, ..., 2022

A bioinformatics approach to design a novel epitope-based vaccine against Simian Immunodeficiency Virus (Retroviridae: Lentivirus). *Genbinesia Journal of Biology* 2 (1), 16-22, 2022, VD Kharisma, ANM Ansori, ME Ullah, TGA Dings, RT Probojati, ..., 2022

JURNAL-MACROALGAE BIOACTIVE COMPOUNDS FOR THE POTENTIAL ANTIVIRAL OF SARS-COV-2: AN IN SILICO STUDY. *Journal of Pure and Applied Microbiology* 16 (2), 1018-1027, 2022, H Padmi, DV Kharisma, ANM Ansori, MT Sibero, MH Widyananda, ..., 2022

Metode Pembuatan Donut dari Ekstrak Buah Naga. , E Elida, D Eliza, T Sriwahyuni, YI Sari, D Ridhani, FM Saragih, ..., 2022

ELECTROLYTE OPTIMIZATION ON DRY CELL GENERATOR ELECTROLYSIS SYSTEM FOR PRODUCING HYDROGEN GAS USING RSM METHOD (RESPONSE SURFACE METHOD). *Rasayan Journal of Chemistry* 15 (1), 2022, R Zainul, EU Rahmad, KA Muhammed, S Aledresi, WA Nursiwan, ..., 2022

Activation and Modification of Natural Silica for Anion Adsorbent. *Journal of Physics: Conference Series* 1788 (1), 012013, 2021, B Oktavia, M Tilla, E Nasra, R Zainul, M Amin, 2021

Kimia Material. Berkah Prima, 2021, R Zainul, B Oktavia, 2021

The Correlation Of A Scientific Approach Using The Probing Prompting Technique And A Problem-Based Learning Model On Learning Outcomes On Reaction Rate Material. *International Journal of Progressive Sciences and Technologies* 27 (2), 151-165, 2021, W Jannah, E Ellizar, I Dewata, R Zainul, 2021

E-Learning development on basic chemical law materials in senior high school (SMA/MA) to improve high order thinking skill ability. *Journal of Physics: Conference Series* 1783 (1), 012128, 2021, T Afrianti, R Zainul, 2021

Penyusunan Konten Pembelajaran E-learning Berbasis Aplikasi Moodle pada Materi Asam Basa. Universitas Negeri Padang, 2021, IP Sari, 2021

The effect of swellable carboxymethyl cellulose coating on the physicochemical stability and release profile of a zinc hydroxide nitrate–sodium dodecylsulphate–imidacloprid. *Chemical Physics Impact* 2, 100017, 2021, SNM Sharif, N Hashim, IM Isa, SA Bakar, MI Saidin, MS Ahmad, M Mamat, ..., 2021

Polymeric nanocomposite-based herbicide of carboxymethyl cellulose coated-zinc/aluminium layered double hydroxide-quinclorac: a controlled release purpose for agrochemicals. *Journal of Polymers and the Environment* 29, 1817-1834, 2021, SNM Sharif, N Hashim, IM Isa, SA Bakar, MI Saidin, MS Ahmad, M Mamat, ..., 2021

Pengembangan E-Modul Larutan Penyangga Berbasis Discovery Learning Untuk Kelas XI SMA/MA. Universitas Negeri Padang, AA Dinata, R Zainul, 2021

Rendang lokan: history, symbol of cultural identity, and food adaptation of Minangkabau tribe in West Sumatra, Indonesia. *Journal of Ethnic Foods* 8 (1), 1-10, 2021, S Fatimah, D Syafrini, R Zainul, 2021

Carboxymethyl Cellulose Hydrogel Based Formulations of Zinc Hydroxide Nitrate-Sodium Dodecylsulphate-Bispyribac Nanocomposite: Advancements in Controlled Release Formulation of ... *Journal of nanoscience and nanotechnology* 21 (12), 5867-5880, SN Mohd Sharif, N Hashim, I Md Isa, S Abu Bakar, M Idris Saidin, ..., 2021

Efektifitas Variasi Plat 4//4 dan 5//5 Elektroda Al/Cu terhadap Kinerja Generator Penghasil Gas Hidrogen. *Ranah Research: Journal of Multidisciplinary Research and Development* 3 (2) ..., 2021, D Savira, R Zainul, 2021

Chitosan as a coating material in enhancing the controlled release behaviour of zinc hydroxide nitrate–sodium dodecylsulphate–bispyribac nanocomposite. *Chemical Papers* 75, 611-627, 2021, SNM Sharif, N Hashim, IM Isa, SA Bakar, MI Saidin, MS Ahmad, M Mamat, ..., 2021

Pengembangan E-Modul Hidrokarbon Berbasis Pendekatan Saintifik dengan Pertanyaan Probing dan Prompting untuk Kelas XI SMA/MA.. Universitas Negeri Padang, 2021, K Nisa, 2021

Teknik Karakterisasi Kimia Fisika. Teknik Karakterisasi Kimia Fisika, 1-249, 2021, R Zainul, 2021

Magnesium layered hydroxide-3-(4-methoxyphenyl) propionate modified single-walled carbon nanotubes as sensor for simultaneous determination of Bisphenol A and Uric Acid. International Journal of Electrochemical Science 16, 1-11, 2021, R Zainul, N Hashim, SNAM Yazid, SNM Sharif, MS Ahmad, MI Saidin, ..., 2021

MOLECULAR DOCKING AND DYNAMIC SIMULATION OF ENTRY INHIBITOR FROM TAMARINDUS INDICA BIOACTIVE COMPOUNDS AGAINST SARS-COV-2 INFECTION VIA VIROINFORMATICS STUDY. Biochem Cell Arch, 2021, VD Kharisma, ANM Ansori, FA Dian, WC Rizky, TGA Dings, R Zainul, ..., 2021

Carboxymethyl Cellulose Hydrogel Based Formulations of Zinc Hydroxide Nitrate-Sodium Dodecylsulphate-Bispyribac Nanocomposite: Advancements in Controlled Release Formulation of A^{A} Journal of nanoscience and nanotechnology 21 (12), 5867-5880, 2021, SN Mohd Sharif, N Hashim, I Md Isa, S Abu Bakar, M Idris Saidin, ..., 2021

Herbal combination from Moringa oleifera Lam. and Curcuma longa L. as SARS-CoV-2 antiviral via dual inhibitor pathway: A viroinformatics approach. Journal of Pharmacy & Pharmacognosy Research 10 (1), 138-146, 2021, VD Kharisma, A Agatha, ANM Ansori, MH Widyananda, WC Rizky, ..., 2021

Sensitive determination of uric acid at layered zinc hydroxide-sodium dodecyl sulphate-propoxur nanocomposite. Journal of Electrochemical Science and Engineering, 2021, MHA Tajudin, MS Ahmad, IM Isa, N Hashim, A UI-Hamid, MI Saidin, ..., 2021

Penyusunan Konten Pembelajaran E-learning Berbasis Aplikasi Moodle Pada Materi Asam Basa. Entalpi Pendidikan Kimia 2 (2), 1-7, 2021, IP Sari, R Zainul, 2021

Pengembangan E-Modul Hidrokarbon Berbasis Pendekatan Saintifik dengan Pertanyaan Probing dan Prompting untuk Kelas XI SMA/MA. Entalpi Pendidikan Kimia 2 (2), 33-44, 2021, K Nisa, R Zainul, 2021

Pretest-Posttest Control Group Design of Discovery Learning-Based Content Learning System in The Materials of Atomic Structure and Periodic Elements System of Class X A^{A} EKSAKTA: Berkala Ilmiah Bidang MIPA 22 (4), 2021, S Rahmatika, R Zainul, 2021

Design of rotary photoreactor using nano Cu/TiO₂ for degradation humic acid in outdoor visible light. Journal of Physics: Conference Series 1481 (1), 012039, 2020, R Zilla, D Purnamasari, R Zainul, 2020

Catalytic Activity of Nano ZnO/Cu for Degradation Humic Acid Under Illumination Outdoor Light. , R Zainul, D Purnamasari, S Mandar, 2020

Study of Dynamically Catalytic System on Humic Acid Phototransformer. , R Zainul, D Purnamasari, YA Djasli, 2020

Development of Discovery Learning Based E-Module on Buffer Solution Topic for Class XI Senior High School (SMA/MA). Edukimia 2 (1), 6-11, 2020, AA Dinata, R Zainul, 2020

Development of e-Learning Courses for Subjects about 'Learn and Learning' with Moodle-based for Prospective Teacher in Indonesia. Journal of Physics: Conference Series 1594 (1), 012023, 2020, R Zainul, M Adri, N Wahyuningtyas, A Wedi, E Surahman, EN Aisyah, ..., 2020

Development of moodle-based content learning system in MKDK student development subjects at LPTK in Indonesia. Journal of Physics: Conference Series 1594 (1), 012021, 2020, N Wahyuningtyas, R Zainul, M Adri, A Wedi, E Surahman, EN Aisyah, ..., 2020

Development of Content Learning System in Professional Education Subjects for Educational Institutions in Indonesia. Journal of Physics: Conference Series 1594 (1), 012022, 2020, M Adri, R Zainul, N Wahyuningtyas, A Wedi, E Surahman, EN Aisyah, ..., 2020

Synergistic Effect of Zinc/Aluminium-Layered Double Hydroxide-Clopyralid Carbon Nanotubes Paste Electrode in the Electrochemical Response of Dopamine, Acetaminophen, andÂ International Journal of Electrochemical Science 15 (8), 9088-9107, AA Nurashikin, IM Isa, N Hashim, MS Ahmad, R Zainul, NAMY Siti, ..., 2020

Preparation of TiO₂ Thin Layer on Ceramics Using Dip Coating Method for Degradation Humic Acid. , R Zainul, D Purnamasari, RN Maurani, 2020

Prototype Blended Learning pada Materi Kimia Kelas X Semester 2 di SMA/MA untuk Meningkatkan Kemampuan Berpikir Tingkat Tinggi (HOTS) Sebagai Implementasi PengembanganÂ , R Zainul, B Oktavia, D Kurniawati, T Afrianti, 2020

Prototype Elearning-Terintegrasi Zoom Berbasis Moodle, Smart Library Online dan Jurnal Pendidikan Kimia Mandiri bagi Guru-Guru MGMP Kimia se Sumatera Barat di Era 4.0 dan MasaÂ , R Zainul, B Oktavia, DS Indravita, T Afrianti, 2020

Prototype Library Online Menggunakan Endnote dan Publikasi Ilmiah. , R Zainul, B Oktavia, G Guspatni, 2020

Prototype Material Layer Herbisida Nanohibrid untuk Sensor Askorbat dan Glukosa dengan Elektroda yang Domodifikasi. , R Zainul, G Guspatni, IM Isa, N Hashim, 2020

Teknologi Tepat Guna Sintesis dan Karakterisasi Material Layer Herbisida Nanohibrid untuk Sensor Askorbat dan Glukosa. , R Zainul, G Guspatni, IM Isa, N Hashim, 2020

Prototype dan Disain Elektroda Berbasis Multi-wall Carbon Nanotube (MWCNT) yang Dimodifikasi Silikon Parafin untuk Sensor Elektrokimia. , R Zainul, IM Isa, N Hashim, G Guspatni, 2020

Fotokatalis Fototransformasi Asam Humat. Berkah Prima, 2020, R Zainul, H Hermansyah, S Arief, D Kurniawati, 2020

e-Pembelajaran Kimia: Aplikasi, Inovasi dan Implementasinya. Berkah Prima, 2020, R Zainul, AR Jannah, T Husna, T Afrianti, H Bahri, SR Putri, SST Asral, ..., 2020

Prototype Blended Learning pada Materi Kimia Kelas X Semester 2 di SMA/MA untuk Meningkatkan Kemampuan Berpikir Tingkat Tinggi (HOTS) Sebagai Implementasi PengembanganÂ , R Zainul, B Oktavia, D Kurniawati, T Afrianti, 2020

Prototype Elearning-Terintegrasi Zoom Berbasis Moodle, Smart Library Online dan Jurnal Pendidikan Kimia Mandiri bagi Guru-Guru MGMP Kimia se Sumatera Barat di Era 4.0 dan MasaÂ , R Zainul, B Oktavia, DS Indravita, T Afrianti, 2020

Synergistic Effect of Zinc/aluminium-layered Double Hydroxide-clopyralid Carbon Nanotubes Paste Electrode in the Electrochemical Response of Dopamine, Acetaminophen, andÂ International Journal of Electrochemical Science 15 (8), 9088-9107, 2020, AA Nurashikin, IM Isa, N Hashim, MS Ahmad, R Zainul, NAMY Siti, ..., 2020

Pengembangan Konten Pembelajaran E-Learning untuk Materi Larutan Elektrolit dan Non Elektrolit Menggunakan Aplikasi Moodle. Entalpi Pendidikan Kimia 1 (1), 2020, SST Asral, R Zainul, 2020

Development of E-Module Based On Discovery Learning On Topic Of Electrolyte and Non-Electrolyte Solutions For Grade X SMA/MA. Edukimia 2 (2), 79-84, VA Arianti, R Zainul, 2020

The impact of a hygroscopic chitosan coating on the controlled release behaviour of zinc hydroxide nitrate–sodium dodecylsulphate–imidacloprid nanocomposites. *New Journal of Chemistry* 44 (21), 9097-9108, 2020, SNM Sharif, N Hashim, IM Isa, SA Bakar, MI Saidin, MS Ahmad, M Mamat, ..., 2020

Synthesis and characterisation of zinc hydroxides nitrates–sodium dodecyl sulphate fluazinam nano hosts for release properties. *Journal of Porous Materials* 27, 1467-1479, 2020, HM MadJin, N Hashim, IM Isa, MZ Hussein, SA Bakar, M Mamat, ..., 2020

Pengembangan Website Pembelajaran Kimia di Sekolah Teknis Riset dan Uji Terapan. *Berkah Prima*, 2020, R Zainul, T Afrianti, H Bahri, SR Putri, SST Asral, IP Sari, D Kurniawati, 2020

Efek Konsentrasi Larutan NaCl Terhadap Kemampuan Fotoreaktor Heksagonal Berbasis Plat CuO/Al. *Chemistry Journal of State University of Padang* 9 (2), 16-18, 2020, A Yolanda, R Zainul, 2020

Pengaruh Konsentrasi Elektrolit Na₂SO₄ Dalam Produksi Gas Hidrogen Menggunakan Sensor MQ-8. *Periodic* 9 (1), 24-28, 2020, D Sahara, R Zainul, 2020

Sistem Fotoreaktor Elektrolit Biner, Terner, dan Kuarternern Berbasis Elektroda Cu Serabut. *Periodic* 9 (1), 29-34, 2020, R Zainul, 2020

Graphene/iridium (III) dimer complex composite modified glassy carbon electrode as selective electrochemical sensor for determination of hydroquinone in real-life water samples. *International Journal of Environmental Analytical Chemistry*, 1-18, 2020, SNA Mohd Yazid, I Md Isa, NM Ali, N Hashim, MI Saidin, MS Ahmad, ..., 2020

Desain Geometri dan Rekayasa Generator Hidrogen. *Berkah Prima*, 2020, R Zainul, 2020

Teknologi Tepat Guna Katalis Oksida Logam Aktif Nano-Multiscale (ZnO, CuO, TiO₂ dan Komposisinya) untuk Aplikasi Penanganan Limbah Cair di Sumatera Barat. , R Zainul, M Khair, 2020

Prototype Katalis Oksida Logam Aktif Nano-Multiscale (ZnCuO, TiO₂ dan Komposisinya). , R Zainul, M Khair, 2020

Model Pembelajaran Blended Learning pada Materi Kimia Kelas X Semester 1 di SMA/MA untuk Meningkatkan Kemampuan Berfikir Tingkat Tinggi (HOTS) sebagai Implementasi PengembanganÂ , R Zainul, D Kurniawati, SR Putri, 2020

Prototype Fotoreaktor Tandem PV-EC untuk Produksi Gas Hidrogen. , R Zainul, 2020

Disain Sistim Tandem Fotoelektrokimia untuk Produksi Gas Hidrogen. , R Zainul, 2020

Pengembangan E-Modul Berbasis Discovery Learning pada Materi Larutan Elektrolit dan Non Elektrolit Kelas X SMA/MA (Development of E-Module Based on Discovery Learning on TopicÂ *EduKimia Journal* 2 (2), 79-84, VA Arianti, R Zainul, 2020

Pengembangan E-Modul Larutan Penyangga Berbasis Discovery Learning Untuk Kelas XI SMA/MA (Development of Discovery Learning Based E-Module on Buffer Solution Topic for Class XIÂ *EduKimia Journal* 2 (1), 6-11, AA Dinata, R Zainul, 2020

Development of E-Module Based On Discovery Learning On Topic Of Electrolyte and Non-Electrolyte Solutions For Grade X SMA or MA. *Edukimia* 2 (2), 79-84, 2020, VA Arianti, R Zainul, 2020

Pengembangan E-Modul Berbasis Discovery Learning pada Materi Larutan Elektrolit dan Non Elektrolit Kelas X SMA/MA (Development of E-Module Based on Discovery Learning on TopicÂ *EduKimia Journal* 2 (2), 79-84, 2020, VA Arianti, R Zainul, 2020

Pengembangan E-Modul Larutan Penyangga Berbasis Discovery Learning Untuk Kelas XI SMA/MA (Development of Discovery Learning Based E-Module on Buffer Solution Topic for Class XI) EduKimia Journal 2 (1), 6-11, 2020, AA Dinata, R Zainul, 2020

Model Pembelajaran Blended Learning pada Materi Kimia Kelas X Semester 1 di SMA/MA untuk Meningkatkan Kemampuan Berfikir Tingkat Tinggi (HOTS) sebagai Implementasi Pengembangan , R Zainul, D Kurniawati, SR Putri, 2020

Research of the Last 5 Years

Disain, Modifikasi Dan Fabrikasi Film-coating Nano-cu₂O/cuo Untuk Aplikasi Anti Virus Covid 19 Pada Cahaya Ruang. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Rahadian Zainul, Implementation Year: 2023

Disain Dan Modifikasi Sensor Glukosa Elektrokimia Sensitivitas Tinggi Berbasis Elektroda Komposit Graphene/1-petil-3-metil-4-benzil-5-pirazolone Termodifikasi. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Rahadian Zainul, Implementation Year: 2022

Pengembangan Model Pembelajaran Guided Discovery Blended Learning (gdbl) Pada Materi Asam Basa Untuk Sekolah Penggerak Di Sma/ma. Penelitian Tesis Magister, Leader: Rahadian Zainul, Implementation Year: 2022

Disain, Modifikasi Dan Fabrikasi Film-coating Nano-cu₂O/cuo Untuk Aplikasi Anti Virus Covid 19 Pada Cahaya Ruang. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Rahadian Zainul, Implementation Year: 2022

Pengembangan Modul Elektronik (e-modul) Dengan Virtual Lab Berbasis Model 5e Instructional Pada Materi Kesetimbangan Kimia Untuk Meningkatkan Kemampuan Berpikir Kritis Peserta Didik Di Sma/ma. Penelitian Tesis Magister, Leader: Rahadian Zainul, Implementation Year: 2022

Disain Dan Modifikasi Nanomaterial Oksida Tembaga Untuk Foto-inaktifasi Mikrobiologi Dengan Menggunakan Pendekatan Molekular Dan Komputasi Dftb+. Pd-penelitian Dasar, Leader: Rahadian Zainul, Implementation Year: 2022

Pengembangan Content Learning System Berbasis Discovery Learning Pada Materi Struktur Atom Dan Sistem Periodik Unsur Kelas X Smk Untuk Meningkatkan Keterampilan Berpikir Tingkat Tinggi. Penelitian Tesis Magister, Leader: Rahadian Zainul, Implementation Year: 2021

Pengembangan Sistem Blended Learning Pada Mdk Di Lptk. Konsorsium Riset Unggulan Perguruan Tinggi, Leader: Rahadian Zainul, Implementation Year: 2021

Pengembangan Sistem Blended Learning Pada Mdk Di Lptk. Konsorsium Riset Unggulan Perguruan Tinggi, Leader: Rahadian Z, Implementation Year: 2021

Pengembangan Silika Mesopori Termodifikasi Dari Silika Alam Sebagai Material Penukar Anion Menggunakan Template Ctab (cetiltrimetilammoniumbromida) Dan Modifikator Dma (dimetilamin). Pdpt-penelitian Dasar, Leader: Budhi Oktavia, Implementation Year: 2021

Disain, Modifikasi Dan Fabrikasi Film-coating Nano-cu₂O/cuo Untuk Aplikasi Anti Virus Covid 19 Pada Cahaya Ruang. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Rahadian Zainul, Implementation Year: 2021

Disain Dan Modifikasi Nanomaterial Oksida Tembaga Untuk Foto-inaktifasi Mikrobiologi Dengan Menggunakan Pendekatan Molekular Dan Komputasi Dftb+. Pdpt-penelitian Dasar, Leader: Rahadian Zainul, Implementation Year: 2021

Sintesis Dan Karakterisasi Material Layer Herbisida Nanohibrid Untuk Sensor Asam Askorbat Dan Glukosa Dengan Elektroda Yang Dimodifikasi. Penelitian Kerjasama Pt Luar Negeri Dasar, Leader: Rahadian Zainul, Implementation Year: 2020

Pengembangan Model Pembelajaran Blended Learning Pada Materi Kimia Kelas X Semester 2 Di Sma/ma Untuk Meningkatkan Kemampuan Berpikir Tingkat Tinggi (hots) Sebagai Implementasi Pengembangan Kecakapan Era 4.0. Penelitian Tesis Magister, Leader: Rahadian Zainul, Implementation Year: 2020

Pengembangan Resin Penukar Anion Menggunakan Silika Alam Sebagai Bahan Dasar Fasa Diam Pada Kromatografi Ion. Penelitian Dasar, Leader: Budhi Oktavia, Implementation Year: 2020

Pengembangan Sistem Blended Learning Pada Mdk Di Lptk. Konsorsium Riset Unggulan Perguruan Tinggi, Leader: Rahadian Zainul, Implementation Year: 2020

Community Service of the Last 5 Years

Program Pengembangan Produk Unggulan E-learning Pembelajaran Kimia Sma Yang Terintegrasi Dari Produk Riset Unggulan Kuliah Smart Bagi Guru-guru Mgmp Kimia Kota Padang Panjang. Program Pengembangan Produk Unggulan Pt (p3upt), Leader: Rahadian Zainul, Implementation Year: 2022

Pelatihan, Pengembangan Dan Implementasi Elearning-terintegrasi Zoom Berbasis Moodle Dan Smart Library Online, Serta Jurnal Pendidikan Kimia Mandiri Bagi Guru-guru Mgmp Kimia Se Sumatera Barat Di Era 4.0 Dan Masa Pandemi Covid 19. Program Kemitraan Masyarakat (pkm), Leader: Rahadian Zainul, Implementation Year: 2020

IPR's of the Last 5 Years

Prototype Nano Tembaga Untuk Aplikasi Material Anti Bakteri Pada Semen Portland. Inventor: Prof. Dr. Rahadian Zainul, S.Pd, M.Si, Dr. Fajriah Azra, M.Si, dkk, Publication Date: 2022-09-10

Prototype Modul Elektronik (E-Modul) Dengan Virtual Lab Berbasis Model 5E Instructional Pada Materi Kesetimbangan Kimia Untuk Meningkatkan Kemampuan Berpikir Kritis Peserta Didik Di SMA/MA. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-17

i-Kelas Universitas. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-01-01

Teknologi Tepat Guna Cat Tembok Anti Bakteri. Inventor: Prof. Dr. Rahadian Zainul, S.Pd, M.Si, Dr. Dwi Hilda, S.Si, M.Si, Mirella Fonda Maahury, S.Si, M.Si, Publication Date: 2022-09-22

Prototype Machine Learning Takambang Untuk Prediksi Ekstrak Herbal Sebagai Anti Viral Sers Cov-2. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

PROTOTYPE E-MODUL BERBASIS 5E INSTRUCTIONAL UNTUK MENINGKATKAN KETERAMPILAN BERPIKIR KRITIS PADA MATERI KESETIMBANGAN KIMIA. Inventor: Prof. Dr. Rahadian Zainul, S.Pd, M.Si, Prof. Dr. Ellizar, M.Pd, dkk, Publication Date: 2022-09-23

Disain Dan Aplikasi Machine Learning Prediksi Obat Herbal Anti Covid-19 Berbasis Etnobotani Di Sumatra Barat. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

PROTOTYPE MINI SERVER OFF GRID UNTUK PEMBELAJARAN JARAK JAUH. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Prof. Drs. Ganefri, M. Pd, Ph,D, Dr. Khairuddin, M. Kes, AIFO, Dr. Muhammad Adri, S.Pd, MT, Dr. K, Publication Date: 2022-01-01

Prototype Sensor Elektrokimia Resistivitas Tinggi Berbasis Carbon/Graphene. Inventor: Prof. Dr. Rahadian Zainul, S.Pd, M.Si, Budi Oktavia, S.Si, M.Si, Ph.D, Prof. Dr. Ilyas Md Isa, Prof. Dr. nat. Karna Wijaya, M.ENG, Prof. Fitria Rahmawati, M.Si, Devi Purnamasari, S.Psi, MKM, Publication Date: 2022-09-10

Prototype Model Pembelajaran Guided Discovery Blended Learning (GDBL) Pada Materi Asam Basa Untuk Sekolah Penggerak Di SMA/MA. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

Disain Dan Modifikasi Sensor Glukosa Elektrokimia Sensitivitas Tinggi Berbasis Elektroda Komposit Graphene/1Penil-3-Metil-4-Benzoi-5-Pirazolone Termodifikasi. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

Prototype Sensor Pasta Menggunakan Multi-Wall-Carbon Nanotube (MWCNT) Untuk Aplikasi Lingkungan. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

Teknologi Tepat Guna Nanomaterial Tembaga Untuk Pembuatan Cat Anti Bakteri. Inventor: Prof. Dr. Rahadian Zainul, S.Pd, M.Si, Dr. Fajriah Azra, M.Si, dkk, Publication Date: 2022-09-10

Prototype Model Pembelajaran Blended Learning Pada Materi Kimia Kelas X Semester 2 Di SMA/MA Untuk Meningkatkan Kemampuan Berfikir Tingkat Tinggi (HOTS) Sebagai mplementasi Pengembangan Kecakapan Era 4.0. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

PROTOTYPE SISTEM APLIKASI PEMBELAJARAN BLENDED. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Prof. Drs. Ganefri, M. Pd, Ph,D, Dr. Khairuddin, M. Kes, AIFO, Dr. Muhammad Adri, S.Pd, MT, Dr. K, Publication Date: 2022-01-01

Prototype Film Coating Oksida Logam Anti Mikroorganisme. Inventor: Prof. Dr. Rahadian Zainul, S.Pd, M.Si, Dr. Dwi Hilda, S.Si, M.Si, Mirella Fonda Maahury, S.Si, M.Si, Publication Date: 2022-09-22

Disain Modifikasi Dan Fabrikasi Film-Coating Nano-Cu₂O/CuO Untuk Aplikasi Anti Virus Covid-19 Pada Cahaya Ruang. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

Konsorsium Inovasi Pendidikan Indonesia (Ki-Pi.org). Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Prof. Drs. Ganefri, M. Pd, Ph,D, Dr. Khairuddin, M. Kes, AIFO, Dr. Muhammad Adri, S.Pd, MT, Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. K, Publication Date: 2022-01-28

Disain Dan Modifikasi Nanomaterial Mikrobiologi Dengan Menggunakan Pendekatan Molekuler Dan Komputasi DFTB+. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2022-12-20

Cat Antibakteri Oksida Logam. Inventor: Prof. Dr. Rahadian Zainul, S.Pd., M.Si.; Dr. Dwi Hilda, S.Si., M.Si.; Mirella Fonda Maahury, M.Si., Publication Date: 2022-09-22

METODE PEMBUATAN MIE HIJAU DENGAN SARI PATI SAWI (BRASSICA CHINENSIS VAR. PARACHINENSIS). Inventor: Dr. Rahadian Zainul, S.Pd., M.Si.; Jesica Nondra Mita, Publication Date: 2021-12-28

Prototype Of Hexagonal Photo-Reactor For Degradation Humic Acid Using Cu-Zno As A Catalyst In Visible Lights. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si.; Fauzan Yan Hawari; Ghoury Kharisma Anjali; Intan Anika Putri; Sintia Noveliza, Publication Date: 2021-07-21

Panduan Kuliah Smart App Berbasis Android. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., rof. Dr. D, Publication Date: 2021-05-01

Synthesis of Sodium Silicate (Na_2SiO_3) from Natural Silica using Sodium Hydroxide (NaOH). Inventor: Budhi Oktavia, S.Si, M.Si, Ph.D; Illa Ramadhani, S.Si; Dr. Rahadian Zainul, S.Pd, M.Si, Publication Date: 2021-10-01

Kuliah Smart Program Kuliah MKDK Belajar Pembelajaran Pada LPTK Di Indonesia. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., rof. Dr. D, Publication Date: 2021-05-01

Kuliah Smart Program Kuliah MKDK Landasan Kependidikan pada LPTK di Indonesia. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si.; Dr. Muhammad Adri, S.Pd, MT; Drs. Sriadhi, M.Pd., M.Kom., Ph.D.; Dr. Khaerudin, M.Pd; Neny Wahyuningtyas, M.Pd; Prof. Dr. Darni, M.Hum.; Prof. Drs. Ganefri, M. Pd, Ph,D; Dr. Khairuddin, M. Kes, AIFO, Publication Date: 2021-05-01

METODE PENGOLAHAN SUSU SEHAT DENGAN PENAMBAHAN EKSTRAK JELLY (JELLY MILK DRINK). Inventor: Rifqi Aulia Zaim, S.Pd., M.Pd.T; Dr. Rahadian Zainul, S.Pd., M.Si; Al Mukmin Arif, Publication Date: 2021-12-20

MODEL PEMBENTUKAN UMKM DI KOTA PADANG: SUATU PERSPEKTIF LITERASI KEUANGAN, INKLUSI KEUANGAN, INTERNAL LOCUS OF CONTROL DAN RISK PERCEPTION. Inventor: Megawati, S.E., M.M; Aimatul Yumna, S.E, M.Fin, Ph.D; Charoline Cheisvianny, S.E, M.Ak, Ak, Publication Date: 2021-10-04

KuliahSmart.com Website Perkuliahan Online. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., rof. Dr. D, Publication Date: 2021-05-01

Pemanfaatan Kulit Lengkeng Sebagai Material Adsorben Zat Warna Dalam Limbah Cair. Inventor: Dr. Desy Kurniawati, S.Pd., M.Si.; Mifthahul Khair., S.Si.,M.Sc.,Ph.D, Publication Date: 2021-08-04

Kuliah Smart. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si; Dr. Khaerudin, M.Pd; Dr. Khairuddin, M. Kes, AIFO; Dr. Muhammad Adri, S.Pd, MT; Drs. Sriadhi, M.Pd., M.Kom., Ph.D; Neny Wahyuningtyas, M.Pd; Prof. Dr. Darni, M.Hum; Prof. Drs. Ganefri, M. Pd, Ph,D., Publication Date: 2022-03-29

Hydrogen Dry Cell Generator for Hydrogen Production by Spliting Water. Inventor: Prof. Dr. Rahadian Z, S.Pd, M.Si.; Efran Ustia Rahmad; Wahdiny Prima; Andini Khairunnisa; Delsya Helvira Suci, Publication Date: 2021-08-20

i-KELAS UNIVERSITAS. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2021-12-31

Panduan Perkuliahan KuliahSmart.com Bagi Dosen/Tutor. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., Prof. Dr., Publication Date: 2021-05-01

KULIAH SMART. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Khairuddin, M. Kes, AIFO, Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Muhammad Adri, S.Pd, MT, Prof. Dr. Darni, M.Hum., Neny Wahyunin, Publication Date: 2021-03-29

Instrumen Digital untuk Uji Terapan Sistem Pembelajaran pada Produk Pembelajaran Kuliah Smart. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si.; Dr. Muhammad Adri, S.Pd, MT; Drs. Sriadhi, M.Pd., M.Kom., Ph.D.; Dr. Khaerudin, M.Pd; Neni Wahyuningtyas, M.Pd; Prof. Dr. Darni, M.Hum.; Prof. Drs. Ganefri, M. Pd, Ph,D; Dr. Khairuddin, M. Kes, AIFO, Publication Date: 2021-05-01

METODE PEMBUATAN BROWNIS MENGGUNAKAN BERBAGAI MACAM COKLAT BATANG ((disambiguasi). Inventor: Dr. Afrita, M.Pd.; Dr. Rahadian Zainul, S.Pd., M.Si; Aulia Nul Harnita, Publication Date: 2021-12-19

Kuliah Smart Program Kuliah MKDK Profesi Kependidikan Pada LPTK Di Indonesia. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., rof. Dr. D, Publication Date: 2021-05-01

KOMPOSISI RUJAK BUAH DENGAN SAMBAL KACANG YANG DITAMBAHKAN ASAM JAWA (Tamarindus indica). Inventor: Dr. Abna Hidayati, M.Pd; Dr. Rahadian Zainul, S.Pd., M.Si; Gustia Ardiani, Publication Date: 2021-12-23

Pengembangan Sistem Pembelajaran Flipped Classroom Berbasis Project Based Learning pada Materi Ikatan Kimia. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si.; Vika Erlina; Weni Syafitri; Cindy Oktarina; Fauzan Yan Hawari, Publication Date: 2021-09-24

Panduan Perkuliahan KuliahSmart.com Bagi Mahasiswa. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., rof. Dr. D, Publication Date: 2021-05-01

Program Kakelas Online. Inventor: Delsina Faiza, Vera Irma Delianti, Thamrin, Geovanne Farell, Publication Date: 2021-10-22

Pusat Riset Material Maju, Artifisial Inteligen dan Biofisik-Informatika (M-BIOTIKA)/CENTER FOR ADVANCED MATERIAL PROCESSING, ARTIFICIAL INTELLIGENCE AND BIOPHYS- INFORMATICS (CAMPBIOTICS). Inventor: LP2M Universitas Negeri Padang; Dr. Rahadian Zainul, S.Pd., M.Si., Publication Date: 2021-12-23

PURWARUPA PRODUK KULIAH SMART. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Prof. Drs. Ganefri, M. Pd, Ph.D., Dr. Khairuddin, M. Kes, AIFO., Dr. Muhammad Adri, S.Pd, MT., Drs. Sriadhi, M.Pd., M.Kom., Ph.D.,, Publication Date: 2021-03-31

KULIAH SMART APP Aplikasi Perkuliahan Online Berbasis Android. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si.; Dr. Muhammad Adri, S.Pd, MT; Drs. Sriadhi, M.Pd., M.Kom., Ph.D.; Dr. Khaerudin, M.Pd; Neny Wahyuningtyas, M.Pd; Prof. Dr. Darni, M.Hum.; Prof. Drs. Ganefri, M. Pd, Ph,D; Dr. Khairuddin, M. Kes, AIFO, Publication Date: 2021-05-01

FORMULASI MINUMAN FUNGSIONAL SUSU DENGAN KOMBINASI BUAH PISANG. Inventor: Erpita Yanti.SKM.M.MKes; Dr. Rahadian Zainul, S.Pd., M.Si; Mutiara Sari, Publication Date: 2021-12-20

Instrumen Uji Coba Berbasis Digital Untuk Perkuliahan Daring/Online. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Dr. Muhammad Adri, S.Pd., M.T., Drs. Sriadhi, M.Pd., M.Kom., Ph.D., Dr. Khaerudin, M.Pd, Neni Wahyuningtyas, S.Pd., M.Pd., rof. Dr. D, Publication Date: 2021-05-01

Sentence Structure Variations in Essays of Sixth Grade Elementary School Students Based on Basic Sentence Patterns in Padang City. Inventor: Dr. Siti Ainim Liusti, M.Hum.; Dra. Ellya Ratna, M.Pd.; Zulfikarni, M.Pd., Publication Date: 2020-10-31

TEKNOLOGI TEPAT GUNA (TTG) PENERAPAN MODEL BLENDED LEARNING UNTUK MENINGKATKAN KEMAMPUAN PEMAHAMAN KONSEP MATEMATIS DAN HASIL BELAJAR MAHASISWA PADA ERA 4.0. Inventor: Fani Keprila Prima, S. Pd., M. Pd. T., Publication Date: 2020-11-25

PROTOTYPE FOTOREAKTOR TANDEM PV-EC UNTUK PRODUKSI GAS HIDROGEN. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-08-31

PROTOTYPE ELEARNING-TERINTEGRASI ZOOM BERBASIS MOODLE, SMART LIBRARY ONLINE DAN JURNAL PENDIDIKAN KIMIA MANDIRI BAGI GURU-GURU MGMP KIMIA SE SUMATERA BARAT DI ERA 4.0 DAN MASA PANDEMIK COVID 19. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-07

Study Of Dynamically Catalytic System On Humic Acid Phototransformator. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Devi Purnamasari, S.Psi., M.Kes., Yuni Aulia Djasli, S.Si., Publication Date: 2020-06-26

TEKNOLOGI TEPAT GUNA KATALIS OKSIDA LOGAM AKTIF NANO MULTISCALE (ZnO, CuO, TiO₂ DAN KOMPOSITNYA) UNTUK APLIKASI PENANGANAN LIMBAH CAIR DI SUMATERA BARAT. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-04

PROTOTYPE KATALIS OKSIDA LOGAM AKTIF NANO-MULTISCALE (ZnO, CuO, TiO₂ DAN KOMPOSITNYA). Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-04

PROTOTYPE MATERIAL LAYER HERBISIDA NANOHIBRID UNTUK SENSOR ASKORBAT DAN GLUKOSA DENGAN ELEKTRODA YANG DIMODIFIKASI. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-07-01

PROTOTYPE DAN DISAIN ELEKTRODA BERBASIS MULTI-WALL CARBON NANOTUBE (MWCNT) YANG DIMODIFIKASI SILIKON PARAFIN UNTUK SENSOR ELEKTROKIMIA. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-07

CATALYTIC ACTIVITY OF NANO ZnO/Cu FOR DEGRADATION HUMIC ACID UNDER ILLUMINATION OUTDOOR LIGHT. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Devi Purnamasari, S.Psi., M.Kes., Sitiwi Mandar, S.Si., Publication Date: 2020-06-26

Variations of Sentence Structure in 5th Grade Students' Essays in Padang: Perspective of Basic Sentence Patterns. Inventor: Dr. Siti Ainim Liusti, S.Pd, M.Hum; Dra. Ellya Ratna, M.Pd; Zulfikarni, S.Pd, M.Pd, Publication Date: 2020-11-07

PROTOTYPE LIBRARY ONLINE MENGGUNAKAN ENDNOTE DAN PUBLIKASI ILMIAH. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-04

PROTOTYPE PENGEMBANGAN MODEL PEMBELAJARAN PODCAST BERBASIS MEDIA SOSIAL DALAM MEWUJUDKAN PENDIDIKAN INKLUSIF DI PERGURUAN TINGGI. Inventor: Dedi Supendra, S. Pd., M. A dan Grahita Kusumastuti, M. Pd, Publication Date: 2020-11-25

DISAIN SISTEM TANDEM FOTOELEKTROKIMIA UNTUK PRODUKSI GAS HIDROGEN. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-08-31

Prototype Blended Learning Pada Materi Kimia Kelas X Semester 2 Di SMA/MA Untuk Meningkatkan Kemampuan Berpikir Tingkat Tinggi (HOTS) Sebagai Implementasi Pengembangan Kecakapan Era 4.0. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-07

Preparation Of TiO₂ Thin Layer On Ceramics Using Dip Coating Method For Degradation Humic Acid. Inventor: Dr. Rahadian Zainul, S.Pd., M.Si., Devi Purnamasari, S.Psi., M.Kes., Rohadatul Nadya Maurani, S.Si., Publication Date: 2020-06-26

The Role Of Performance As Variable Moderating Of The Influence Of Public Services Motivation And Competence On Job Satisfaction Of Civil Servants. Inventor: Boni Saputra, Hidayatul Fajri, Publication Date: 2020-07-19

TEKNOLOGI TEPAT GUNA SINTESIS DAN KARAKTERISASI MATERIAL LAYER HERBISIDA NANOHIBRID UNTUK SENSOR ASKORBAT DAN GLUKOSA. Inventor: LP2M Universitas Negeri Padang, Publication Date: 2020-09-04

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