



## CURRICULUM VITAE

**Dr. Ramli, S.Pd, M.Si**

**Faculty:** Fakultas Matematika dan IPA

**Study Programs:** Fisika

**Email: , Phone:**

### Scopus of the Last 5 Years

Synthesis and characterization of polystyrene/cuo-fe<sub>2</sub>o<sub>3</sub> nanocomposites from natural materials as hydrophobic photocatalytic coatings. Crystals, Ratnawulan R., 2021

Validity of physics student e-book based on the STEM approach to improve knowledge competence. Journal of Physics: Conference Series, Pratiwi Y., 2021

Validity of physics e-handouts based on the STEM approach to improve students' knowledge competency. Journal of Physics: Conference Series, Yulia S.R., 2021

Effect of temperature on the pyrolysis of plastic waste using zeolite ZSM-5 using a refinery distillation bubble cap plate column. Results in Engineering, Thahir R., 2021

Synthesis and characterization Hausmannite (Mn<sub>3</sub>o<sub>4</sub>) nanoparticle of manganese ores prepared by high-energy milling. International Journal of Advanced Science and Technology, Ratnawulan, 2020

Needs analysis in development of physics handout based on STEM approach for 11<sup>th</sup> grade of senior high school. Journal of Physics: Conference Series, Yulia S.R., 2020

Needs analysis in development of physics student books based on STEM approach for 11<sup>th</sup> grade senior high school. Journal of Physics: Conference Series, Pratiwi Y., 2020

The electrical properties of NiFe<sub>2</sub>O<sub>4</sub>-PVDF nanocomposite prepared by sol-gel method. Journal of Physics: Conference Series, Fadli A.H., 2020

Microwave absorption properties of Fe<sub>3</sub>O<sub>4</sub>/PANi nanocomposites synthesized by sol-gel methods. Journal of Physics: Conference Series, Yulfriska N., 2020

Need analysis in development of student books based on STEM approach. Journal of Physics: Conference Series, Hizhar D., 2020

Microwave absorbent properties of Fe<sub>3</sub>O<sub>4</sub> nanoparticle from iron sand prepared by high energy milling ellips-3 dimension. Journal of Physics: Conference Series, Diana S.R., 2020

An ammonia optical sensor silica microspheres doped with nickel(II) ion and reflectance transduction. Rasayan Journal of Chemistry, Ulianas A., 2020

Measurements and analysis of crystal structures of activated carbon of empty fruit bunch from oil palm biomass waste. Journal of Physics: Conference Series, Ikhsan M., 2020

A simple colorimeter based on microcontrollers to detect food dyes. Journal of Physics: Conference Series, Yulkifli, 2020

Role of students worksheet in STEM approach to achieve competence of physics learning. Journal of Physics: Conference Series, Sari Y.S., 2019

Magnetic properties of Fe<sub>3</sub>O<sub>4</sub> nanoparticles synthesized from natural iron sand via ball-milling process. Journal of Physics: Conference Series, Ramli R., 2019

Synthesis of magnetite nanoparticles from iron sand by ball-milling. Journal of Physics: Conference Series, Darvina Y., 2019

Role of learning module in STEM approach to achieve competence of physics learning. Journal of Physics: Conference Series, Selisne M., 2019

Development of color detector using colorimetry system with photodiode sensor for food dye determination application. Journal of Physics: Conference Series, Yulkifli, 2019

Structural analysis of the hausmannite thin film (Mn<sub>3</sub>O<sub>4</sub>) by spin coating method. Journal of Physics: Conference Series, Fauzi A., 2019

Microstructure of magnetite - Polyvinylidene fluoride (Fe<sub>3</sub>O<sub>4</sub>/PVDF) nanocomposite prepared by spin coating method. Journal of Physics: Conference Series, Yulfriska N., 2019

Learning model based on discovery learning equipped with interactive multimedia teaching materials assisted by games to improve critical thinking skills of high school students. Journal of Physics: Conference Series, Festiyed, 2019

A silver nanoparticle-based colorimetric detection of Fe<sup>2+</sup>. Journal of Physics: Conference Series, Handayani W., 2019

Preparation and characterization of thin film CoFe<sub>2</sub>O<sub>4</sub>/Zn/CoFe<sub>2</sub>O<sub>4</sub> by using spin-coating method. Journal of Physics: Conference Series, Sanjaya H., 2019

Satellite-based monitoring of forest cover change in indonesia using google earth engine from 2000 to 2016. Journal of Physics: Conference Series, Fadli A.H., 2019

Measurement of water polluted quality based on turbidity, pH, magnetic property, and dissolved solid. Journal of Physics: Conference Series, Indrasari W., 2019

### Web of Science (WoS) of the Last 5 Years

Synthesis and Characterization of Polystyrene/CuO-Fe<sub>2</sub>O<sub>3</sub> Nanocomposites from Natural Materials as Hydrophobic Photocatalytic Coatings. CRYSTALS, Ratnawulan, R; Ramli, R; Fauzi, A; Ae, SH., 2021

### Google Scholar of the Last 5 Years

Effect of The Volume of Banana Fiber As A Polymer Composite Amplifier With Polyester Resin Matrix On The Sound Absorption of Acoustic Materials. PILLAR OF PHYSICS 15 (1), 2022, Y Darvina, 2022

Graphene Oxide Based on Biomass Waste: Synthesis and Applications. IntechOpen, 2022, R Ramli, R Hidayat, 2022

Microwave Absorption Properties of Graphene Oxide Derived from Coconut Shell Waste by Modified Hummer's Method. PILLAR OF PHYSICS 15 (2), 2022, N Ardianti, Y Darvina, FU Jhora, 2022

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Structure Analysis Of Graphene Micro Oxide From Old Coconut Shell Waste. PILLAR OF PHYSICS 15 (1), 69-76, 2022, R Nanda, R Ramli, 2022

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Validitas E-Modul Fisika SMA Berbasis Inkuiri Terbimbing Terintegrasi Etnosains untuk Meningkatkan Kemampuan Berpikir Kreatif Peserta Didik. Jurnal Eksakta Pendidikan (Jep) 5 (1), 95-101, 2021, CDT Haspen, S Syafriani, R Ramli, 2021

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The effect of composition MnFe<sub>2</sub>O<sub>4</sub>/PANi nanocomposite on the microstructure that synthesized by spin coating method. PILLAR OF PHYSICS 13 (2), 2021, L Sinurat, Y Darvina, 2021

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Analisis Kebutuhan Pengembangan Modul Pembelajaran Fisika SMA Berbasis Pendekatan STEM. JIPFRI (Jurnal Inovasi Pendidikan Fisika Dan Riset Ilmiah) 5 (2), 95-101, 2021, YMV Marta, R Ramli, 2021

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The effect of composition of NiFe<sub>2</sub>O<sub>4</sub> on the crystal structure of nanocomposite NiFe<sub>2</sub>O<sub>4</sub>/PVDF that synthesized using sol gel spin coating method. PILLAR OF PHYSICS 13 (2), 2021, YA Putri, R Ramli, 2021

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Magnetoresistance characterization of nanocomposite Fe<sub>3</sub>O<sub>4</sub>/PPy that synthesized with sol-gel spin coating method. PILLAR OF PHYSICS 13 (2), 2021, S Pertiwi, R Ramli, 2021

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CHARACTERIZATION STRUCTURE MICRO OF GRAPHENE OXIDE WHICH SYNTHESIS FROM BAGASSE WITH MODIFIED HUMMERS METHOD. Pillar of Physics 14 (2), 46-52, 2021, VS Wahyuli, R Ramli, 2021

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AN AMMONIA OPTICAL SENSOR SILICA MICROSPHERES DOPED WITH NICKEL (II) ION AND REFLECTANCE TRANSDUCTION. Rasayan Journal of Chemistry 13 (2), 860-867, 2020, A Ulianas, O Andini, Mawardi, Ramli, LT Ling, 2020

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Microwave absorption properties of Fe<sub>3</sub>O<sub>4</sub>/PANi nanocomposites synthesized by sol-gel methods. Journal of Physics: Conference Series 1481, 012006, 2020, N Yulfriska, Y Zurian Affandi, L Dwiridal, R Ramli, 2020

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The electrical properties of NiFe<sub>2</sub>O<sub>4</sub>-PVDF nanocomposite prepared by sol-gel method. Journal of Physics: Conference Series 1481 (1), 012023, 2020, AH Fadli, Y Darvina, A Hartono, R Ramli, 2020

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THE DESIGN OF DISPLAY DIGITAL DATA INTERFACE CLAMP-METER COMPLEMENTED BY SENSOR GMR (GIANT MAGNETORESISTANCE). Spektra: Jurnal Fisika dan Aplikasinya 5 (1), 53-60, 2020, Y Yulkifli, F Afriani, Y Yohandri, R Ramli, 2020

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Microwave absorbent properties of Fe<sub>3</sub>O<sub>4</sub> nanoparticle from iron sand prepared by high energy milling ellips-3 dimension. Journal of Physics: Conference Series 1481, 012026, 2020, SR Diana, M Ikhsan, LD Yohandri, R Ramli, 2020

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Need analysis in development of student books based on STEM approach. Journal of Physics: Conference Series 1481, 012058, 2020, D Hizhar, R Ramli, 2020

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Needs analysis in development of physics student books based on STEM approach for 11 th grade senior high school. Journal of Physics: Conference Series 1481, 012066, 2020, Y Pratiwi, SR Yulia, R Ramli, 2020

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Needs analysis in development of physics handout based on STEM approach for 11 th grade of senior high school. Journal of Physics: Conference Series 1481, 012054, 2020, SR Yulia, Y Pratiwi, R Ramli, 2020

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A simple colorimeter based on microcontrollers to detect food dyes. Journal of Physics: Conference Series 1528 (1), 012066, 2020, DA Wulandari, R Ramli, SB Etika, C Imawan, 2020

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Measurements and analysis of crystal structures of activated carbon of empty fruit bunch from oil palm biomass waste. *Journal of Physics: Conference Series* 1528 (1), 012031, 2020, M Ikhsan, R Ramli, 2020

Pengembangan lembar kerja peserta didik fisika berbasis pendekatan science, technology, engineering, and mathematics untuk meningkatkan berpikir kritis peserta didik. *Jurnal Eksakta Pendidikan (JEP)* 4 (1), 10-17, 2020, R Ramli, Y Yohandri, 2020

PENGARUH KOMPOSISI  $\text{CoFe}_2\text{O}_4$  TERHADAP SIFAT MAGNETIK NANOKOMPOSIT  $\text{CoFe}_2\text{O}_4/\text{PVDF}$  YANG DISINTESIS DENGAN METODE SOL GEL. *PILLAR OF PHYSICS* 13 (1), 2020, S Yulianti, R Ramli, 2020

Pengaruh Komposisi  $\text{MnFe}_2\text{O}_4$  Terhadap Sifat Listrik Nanokomposit  $\text{MnFe}_2\text{O}_4/\text{PVDF}$  Yang Disintesis Dengan Metode Spin Coating. *PILLAR OF PHYSICS* 13 (1), 2020, O GUSTIRA, R Ramli, 2020

Synthesis and Characterization of Polystyrene/ $\text{CuO-Fe}_2\text{O}_3$  Nanocomposites from Natural Materials as Hydrophobic Photocatalytic Coatings. *Crystals* 11 (1), 31, 2020, R Ratnawulan, R Ramli, A Fauzi, S Hayati AE, 2020

Microstructure of magnetite-polyvinylidene fluoride ( $\text{Fe}_3\text{O}_4/\text{PVDF}$ ) nanocomposite prepared by spin coating method. *Journal of physics: conference series* 1185 (1), 012025, 2019, N Yulfriska, Y Darvina, Y Yulkifli, R Ramli, 2019

Role of students worksheet in STEM approach to achieve competence of physics learning. *Journal of Physics: Conference Series* 1185 (1), 012096, 2019, YS Sari, M Selisne, R Ramli, 2019

Learning model based on discovery learning equipped with interactive multimedia teaching materials assisted by games to improve critical thinking skills of high school students. *Journal of Physics: Conference Series* 1185 (1), 012054, 2019, R Festiyed, Djamal, D., & Ramli, 2019

Magnetic properties of  $\text{Fe}_3\text{O}_4$  nanoparticles synthesized from natural iron sand via ball-milling process. *Journal of Physics: Conference Series* 1185 (1), 012002, 2019, R Ramli, N Yulfriska, H Rifai, L Dwiridal, 2019

Role of learning module in STEM approach to achieve competence of physics learning. *Journal of Physics: Conference Series* 1185 (1), 012100, 2019, M Selisne, YS Sari, R Ramli, 2019

Structural analysis of the hausmannite thin film ( $\text{Mn}_3\text{O}_4$ ) by spin coating method. *Journal of Physics: Conference Series* 1185 (1), 012032, 2019, A Fauzi, B Lidia, R Ratnawulan, R Ramli, 2019

Synthesis of magnetite nanoparticles from iron sand by ball-milling. *Journal of Physics: Conference Series* 1185 (1), 012017, 2019, Y Darvina, N Yulfriska, H Rifai, L Dwiridal, R Ramli, 2019

Development of color detector using colorimetry system with photodiode sensor for food dye determination application. *Journal of Physics: Conference Series* 1185 (1), 012031, 2019, P Kahar, R Ramli, SB Etika, C Imawan, 2019

Pengaruh Variasi Komposisi Pada Sifat Magnet Dari Nanokomposit  $\text{NiFe}_2\text{O}_4/\text{PANi}$  Yang Disintesis Dengan Metode Sol-Gel Spin Coating. *Pillar of Physics* 12 (1), 49-56, 2019, H Helmita, R Ramli, H Hidayati, 2019

Pengaruh Komposisi  $\text{CoFe}_2\text{O}_4$  Terhadap Sifat Listrik Nanokomposit  $\text{CoFe}_2\text{O}_4/\text{PANi}$  yang Disintesis Dengan Metoda Sol-Gel. *Pillar of Physics* 12 (1), 41-48, 2019, FRP Nurzam, R Ramli, R Ratnawulan, 2019

Analisis Sifat Magnetik Nanokomposit  $\text{CoFe}_2\text{O}_4/\text{PANi}$  Yang Disintesis Dengan Metoda Sol-Gel. *Pillar of Physics* 12 (1), 33-40, 2019, R Sugianti, R Ramli, R Ratnawulan, 2019

Studi Awal Rancangan Alat Colorimeter Menggunakan Sensor OPT101 Untuk Menentukan Serapan Ekstrak Pewarna Alami Berbasis Mikrokontroler Arduino. *Pillar of Physics* 12 (1), 1-8, 2019, K Puja, Y Yulkifli, R Ramli, 2019

Development of a Digital Dip Coating System Based Microcontroller. Eksakta Berkala Ilmiah Bidang MIPA 20 (2), 62-69, 2019, Y Yohandri, K Khairunnisa, R Ramli, R Zainul, 2019

Pengaruh inkuiri berbasis pictorial riddle berbantuan phet simulation untuk meningkatkan hasil belajar peserta didik kelas X SMAN 13 Padang pada materi momentum, impuls dan  $\Delta$  .... Pillar Of Physics Education 12 (3), R Ramli, Y Darvina, SY Sari, 2019

Preparation and characterization of thin film  $\text{CoFe}_2\text{O}_4/\text{Zn}/\text{CoFe}_2\text{O}_4$  by Spin COating Method. Journal of Physics: Conf. Series 1317 (1), 012029, 2019, H Sanjaya, B Oktavia, LL Sadri, R Ramli, 2019

Measurement of water polluted quality based on turbidity, pH, magnetic property, and dissolved solid. Journal of Physics: Conf. Series 1317 (1), 012060, 2019, W Indrasari, E Budi, U Umiatin, SR Alayya, R Ramli, 2019

A silver nanoparticle-based colorimetric detection of  $\text{Fe}^{2+}$ . Journal of Physics: Conference Series 1317 (1), 012093, 2019, W Handayani, NI Pratiwi, SB Etika, C Imawan, 2019

Satellite-based monitoring of forest cover change in indonesia using google earth engine from 2000 to 2016. Journal of Physics: Conf. Series 1317 (1), 012046, 2019, AH Fadli, A Kosugo, K Ichii, R Ramli, 2019

AnalisisKebutuhan Pengembangan Handout Berbasis STEM Terhadap Pembelajaran Fisika dalam Menghadapi Era Revolusi Industri 4.0. Jurnal Penelitian Pembelajaran Fisika 5 (1), 2019, SR Yulia, R Ramli, 2019

Pengaruh Variasi Komposisi  $\text{MnFe}_2\text{O}_4$  Terhadap Sifat Magnetik Nanokomposit  $\text{MnFe}_2\text{O}_4/\text{PANi}$  yang Disintesis dengan Metoda Sol–Gel Spin Coating. PILLAR OF PHYSICS 12 (2), 2019, ZE Senida, 2019

Sensor Magnetoresistan: Pengantar Teori dan Aplikasi. ITB Press, 2019, D Mitra, R Ramli, 2019

Pengaruh inkuiri berbasis pictorial riddle berbantuan phet simulation untuk meningkatkan hasil belajar peserta didik kelas X SMAN 13 Padang pada materi momentum, impuls dan  $\Delta$  .... Pillar Of Physics Education 12 (3), 2019, R Ramli, Y Darvina, SY Sari, 2019

Pengaruh variasi komposisi  $\text{MnFe}_2\text{O}_4$  terhadap sifat magnetik nanokomposit  $\text{MnFe}_2\text{O}_4/\text{PANi}$  yang disintesis dengan metoda sol–gel spin coating ( $\text{MnFe}_2\text{O}_4$  composition influence on the  $\Delta$  .... PILLAR OF PHYSICS 12 (2), 2019, ZE Senida, 2019

### 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

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

Sintesis Dan Karakterisasi Nanokomposit Magnetite- Polyaniline ( $\text{Fe}_3\text{O}_4/\text{pani}$ ) Untuk Elektroda Superkapasitor. Pdpt-penelitian Dasar, Leader: Yenni Darvina, Implementation Year: 2021

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

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

Rancang Bangun Dip Coating Digital Presisi Untuk Teknologi Nanomaterial. Penelitian Terapan, Leader: Yohandri, Implementation Year: 2020

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Pengembangan Nano Komposit Mfe2o4 (m=fe,co,ni) Dalam Poly Vinillidene Flouride Untuk Aplikasi Divais Spintronika Yang Fleksibel. Penelitian Dasar, Leader: Ramli, Implementation Year: 2020

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Rancangan Bangun Sensor Kolorimetrik Berbasis Tanaman Lokal Sumatera Barat Sebagai Instrumen Portabel Pengukur Pencemar Logam Berat. Penelitian Dasar Unggulan Perguruan Tinggi, Leader: Yulkifli, Implementation Year: 2020

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Rancangan Bangun Sensor Kolorimetrik Berbasis Tanaman Lokal Sumatera Barat Sebagai Instrumen Portabel Pengukur Pencemar Logam Berat. Penelitian Dasar Unggulan Perguruan Tinggi, Leader: Yulkifli, Implementation Year: 2019

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Pengembangan Model Pembelajaran Ipa Terpadu Tipe Integrated Berbasis Kearifan Lokal. Penelitian Tesis Magister, Leader: Usmeldi, Implementation Year: 2019

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Pengembangan Bahan Ajar Fisika Sma Kelas Xi Berbasis Stem (science, Technology, Engineering, And Mathematics). Penelitian Tesis Magister, Leader: Ramli, Implementation Year: 2019

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Pengembangan E-modul Berbasis Sets (science, Environment, Technology, And Society) Terintegrasi Materi Bencana Banjir Dan Tanah Longsor Untuk Meningkatkan Kompetensi Mitigasi Pengurangan Risiko Bencana. Penelitian Tesis Magister, Leader: Ahmad Fauzi, Implementation Year: 2019

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Pengembangan Lapisan Superhydrophobik Nanopartikel Fe2o3-cuo Stabil Radiasi Ultra Violet Dan Termal Dengan Teknik Spin Coating. Penelitian Tesis Magister, Leader: Ratnawulan, Implementation Year: 2019

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Pengembangan Ketrampilan 4c (communication, Collaboration, Critical Thinking And Problem Solving, Dan Creativity And Innovation) Melalui Model Research Based Learning (rbl) Terintegrasi Pendekatan Saintifik Pada Pembelajaran Fisika. Penelitian Khusus Guru Besar, Leader: Festiyed, Implementation Year: 2019

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Pengembangan Nano Komposit Mfe2o4 (m=fe,co,ni) Dalam Poly Vinillidene Flouride Untuk Aplikasi Divais Spintronika Yang Fleksibel. Penelitian Dasar, Leader: Ramli, Implementation Year: 2019

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Pengembangan Model Creative Problem-based Learning Untuk Meningkatkan Kreativitas Peserta Didik. Penelitian Tesis Magister, Leader: Usmeldi, Implementation Year: 2019

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Rancang Bangun Dip Coating Digital Presisi Untuk Teknologi Nanomaterial. Penelitian Terapan, Leader: Yohandri, Implementation Year: 2019

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Sintesis Dan Karakterisasi Nanomaterial Sebagai Bahan Sensor Sianida. Penelitian Dasar, Leader: Alizar, Implementation Year: 2019

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Pengembangan Material Penyerap Gelombang Radar Berbiaya Murah Berbasis Komposit Fe3o4@polimer Konduktif. Penelitian Tesis Magister, Leader: Ramli, Implementation Year: 2019

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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: 2019

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Pengembangan Bahan Ajar Fisika Sma Berbasis Inquiry Training Untuk Meningkatkan Kemampuan Berfikir Kreatif Peserta Didik. Penelitian Tesis Magister, Leader: Syafriani, Implementation Year: 2019

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### Community Service of the Last 5 Years

Pembinaan Kelompok Tani Untuk Penerapan Iptek Dalam Pengolahan Tebu Bebas Sampah Di Jorong Pato Nagari Batu Bulek Kecamatan Lintau Buo Utara Kabupaten Tanah Datar. Program Pengembangan Produk Unggulan Daerah (ppud), Leader: Ramli, Implementation Year: 2022

Bimbingan Teknis Pembuatan Lkpd Terintegrasi Model Pembelajaran Discovery Learning Dengan Pendekatan Saintifik Kepada Guru Guru Ipa Smp/mts Se Kota Padang Panjang Untuk Mendukung Kegiatan Praktikum Di Laboratorium Ipa. Program Kemitraan Masyarakat (pkm), Leader: Murtiani, Implementation Year: 2019

### IPR's of the Last 5 Years

e-Modul Fisika Berbasis Inkuiri Terbimbing Terintegrasi Etnosains dan Kemampuan Berpikir Kritis. Inventor: Syafriani, M.Si., Ph.D.; Rudi Kurniawan, S.Pd.; Cici Dwi Tisa Haspen, S.Pd.; Dr. Ramli, M.Si., Publication Date: 2020-12-01

Elektronik Modul Fisika SMA Berbasis Inkuiri Terbimbing Terintegrasi Etnosains dan Kemampuan Berpikir Kreatif. Inventor: Syafriani S.Si. M.Si. Ph.D; Cici Dwi Tisa Haspen S.Pd; Rudi Kurniawan S.Pd; Dr. Ramli S.Pd. M.Si, Publication Date: 2020-12-01

Pengembangan Lembar Kerja Peserta Didik Fisika SMA/MA Berbasis Inquiry Training Untuk Meningkatkan Kemampuan Berpikir Kreatif Peserta Didik Kelas X Semester 2. Inventor: Syafriani; Rumi Yuliska; Dwi Athifah Ramadhani; Ramli, Publication Date: 2019-08-08

Pengembangan Lembar Kerja Peserta Didik Fisika SMA/MA Berbasis Inquiry Training Untuk Meningkatkan Kemampuan Berpikir Kreatif Peserta Didik Kelas X Semester 1. Inventor: Syafriani; Dwi Athifah Ramadhani; Rumi Yuliska; Ramli, Publication Date: 2019-08-08

### Book of the Last 5 Years

Sensor magnetoresistan pengantar teori dan aplikasi. ISBN: 9786020705736, Publisher: ITB Press, Year: 2019