



CURRICULUM VITAE

Dr. Yulkifli, S.Pd., M.Si.

Faculty: Fakultas Matematika dan IPA

Study Programs: Fisika

Email: , Phone:

Biography

Scopus of the Last 5 Years

A Low-cost Digital Spectrophotometer for Heavy Metal Absorbance Measurements. *Instruments and Experimental Techniques*, Yulkifli, 2023

Automatic Transfer Switch Solar Cell Inverter System Based on Android Application. *Journal of Physics: Conference Series*, Audia W., 2022

Direct-current electric field effect on the viability of HeLa cell line. *Electromagnetic Biology and Medicine*, Muttaqin A., 2021

Molecularly Imprinted Polymer (MIPs) Nanomaterials Modified as Absorbing Cholesterol. *Journal of Physics: Conference Series*, Sabrina N., 2021

Is Integrated Science Book with Ethno-STEM Approach Needed by Secondary School Students?. *Journal of Physics: Conference Series*, Muttaqin A., 2021

Validity of interactive student worksheets based on inquiry based learning models to improve knowledge competence. *Journal of Physics: Conference Series*, Samudra E.Y.A., 2021

Validity of student worksheet inquiry based learning model with multi-representation approach integrated scientific literacy for grade XI physics learning on 21st century. *Journal of Physics: Conference Series*, Septiani T., 2021

Development of inquiry based learning model - Based student worksheets through the 21st century science process skills approach to grade XI physics learning. *Journal of Physics: Conference Series*, Widestra R.A., 2021

Development of electronic module using inquiry based learning (IBL) model integrated high order thinking skill (HOTS) in 21st century physics learning class X. *Journal of Physics: Conference Series*, Nisak F., 2021

Preliminary study of development of physics e-module using smartphone-assisted inquiry based learning models to support 21st century learning. *Journal of Physics: Conference Series*, Risma M., 2021

Preliminary research in the development of smartphone-based e-module learning materials using the ethno-STEM approach in 21st century education. *Journal of Physics: Conference Series*, Azis H., 2021

Potential Landslide Detection in Kelok Sembilan Flyover Using SAR Interferometry. *International Journal on Advanced Science, Engineering and Information Technology*, Razi P., 2021

Molecularly imprinted polymeric microspheres for electrochemical sensing of cholesterol. *Rasayan Journal of Chemistry*, Julita E., 2021

Measuring the physics students' data literacy skill in the era of industry 4.0 by using mirecal learning model. *International Journal of Scientific and Technology Research*, Lusiyan A., 2020

Validity of student worksheets based on inquiry based learning models assisted by tracker application. Journal of Physics: Conference Series, Fadilah R., 2020

The electrical properties of NiFe₂O₄-PVDF nanocomposite prepared by sol-gel method. Journal of Physics: Conference Series, Fadli A.H., 2020

Land deformation modelling of Taiwan earthquake using interferometry technique. Journal of Physics: Conference Series, Razi P., 2020

Preliminary analysis to develop student worksheet based on inquiry based learning model for 21st century physics learning. Journal of Physics: Conference Series, Havid M., 2020

Preliminary analysis of development electronic module using inquiry based learning model for 21st century. Journal of Physics: Conference Series, Nisak F., 2020

Preliminary analysis of interactive student worksheets development using the science process skill approaching the 21st century physics learning. Journal of Physics: Conference Series, Widestra R.A., 2020

Preliminary analysis development of interactive student worksheets using inquiry based learning model for 10th grade senior high school. Journal of Physics: Conference Series, Samudra E.Y.A., 2020

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

Web of Science (WoS) of the Last 5 Years

-

Google Scholar of the Last 5 Years

A Low-cost Digital Spectrophotometer for Heavy Metal Absorbance Measurements. Instruments and Experimental Techniques 66 (No.1), pp.147-155, 2023, Yulkifli, Kelvin Septa Dewantara, Mona Berlian Sari, Ramli, Pakhrur Razi ..., 2023

Development of physics e-module based on integrated projectbased learning model with Ethno-STEM approach on smartphones for senior high school students. Momentum: Physics Education Journal 6 (1), 93-103, 2022, Yulkifli, Yohandri, Hasbi Azis, 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

Automatic Transfer Switch Solar Cell Inverter System Based on Android Application. Journal of Physics: Conference Series 2309 (ICRLP2021), 1-9, 2022, Washilla Audia, Mairizwan, Rio Anshari, Yulkifli, 2022

The Effect of Blended Learning Model (BLM) on Student Achievements: A Meta-Analysis. Jurnal Penelitian Pendidikan IPA 8 (5), 2451-2459, 2022, A Asrizal, U Khairi, M Murtiani, V Mardian, 2022

Efektivitas E-modul Fisika Menggunakan Model Pembelajaran Berbasis Riset untuk Meningkatkan Kompetensi Peserta Didik SMA di Era Revolusi 4.0. *Jurnal Eksakta Pendidikan* 6 (1), 20-27, 2022, Mu'tia Faizah Apriani, Yulkifli, 2022

Automatic Transfer Switch System Design on Solar Cell – Grid Hybrid Based on Android Application. *Eksakta* 23 (4), 266-283, 2022, Washilla Audia, Yulkifli, Mairizwan, Aditya Rinaldi, 2022

Is Integrated Science Book with Ethno-STEM Approach Needed by Secondary School Students?. *Journal of Physics: Conference Series* 1788 (1), 012048, 2021, A Muttaqiin, M Murtiani, Y Yulkifli, 2021

Direct-current electric field effect on the viability of HeLa cell line. *Electromagnetic Biology and Medicine* 40 (1), 41-48, 2021, A Muttaqin, S Syukur, Y Yulkifli, T Alimuddin, 2021

Soil moisture measurement tools using SHT11 sensors based on the Internet of Things. *INVOTEK: Jurnal Inovasi Vokasional dan Teknologi* 21 (3), 165-174, 2021, Y Karinia, V Violita, H Tarigan, NY Sudiard, Y Yulkifli, 2021

Development of electronic module using inquiry based learning (IBL) model integrated high order thinking skill (HOTS) in 21st century physics learning class X. *Journal of Physics: Conference Series* 1876 (1), 012085, 2021, F Nisak, Y Yulkifli, 2021

Validity of Student Worksheets using Inquiry Based Learning Models with Science Technology Society Approach for Physics Learning. *International Journal of Progressive Sciences and Technologies* 25 (1), 63-68, 2021, VY Nasution, RA Widestra, Y Yulkifli, 2021

Validity of Student Worksheet Inquiry Based Learning Model with Scientific Approach Integrated Creative Thinking Skills for Grade XI Physics Learning on 21st Century. *International Journal of Progressive Sciences and Technologies (IJPSAT)* 27 ... , 2021, MH Yulkifli, 2021

Synthesis and Characterization of HPMpFBP Using Raman Spectroscopy, Nuclear Magnetic Resonance (NMR) Spectroscopy, and FTIR. *Jurnal Ilmu Fisika (JIF)* 13 (No.2), 109-117, 2021, IMI Wilda Tri Putri Yusri, Yulkifli Yulkifli, Alizar Alizar, 2021

Studi Literatur Sensor Glukosa Untuk Darah Manusia Menggunakan Sensor Elektrokimia Berbasis Glassy Carbon Electrode (GCE) dengan Metode Voltametri. *Jurnal Fisika Unand (JFU)* 10 (No.3), 324-329, 2021, IMI Widya Janatul Putri, Yulkifli, Alizar, 2021

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

PENGARUH KOMPOSISI CoFe₂O₄ TERHADAP SIFAT MAGNETIK NANOKOMPOSIT CoFe₂O₄/PVDF YANG DISINTESIS DENGAN METODE SOL GEL. *PILLAR OF PHYSICS* 13 (1), 2020, S Yulianti, R Ramli, 2020

Metaanalisis Pengaruh Model Pembelajaran Inkuiri Terhadap Keterampilan Proses Sains dan Literasi Saintifik. *Sainstek: Jurnal Sains dan Teknologi* 12 (2), 91-100, 2020, F Mardianti, Y Yulkifli, A Asrizal, 2020

Detektor Dosis Radiasi Gamma Menggunakan Prinsip Localized Surface Plasmon Resonance (LSPR) Nanopartikel Perak. *Sainstek: Jurnal Sains dan Teknologi* 12 (2), 44-50, 2020, T Surya, Y Yulkifli, C Imawan, N Pratiwi, D Rahmawati, 2020

DEVELOPMENT OF INTERACTIVE MULTIMEDIA MODULES IN PROBLEM-BASED LEARNING MODELS TO ENHANCE CRITICAL THINKING ABILITIES OF HIGH SCHOOL STUDENTS. *Jurnal Pendidikan Fisika* 9 (1), 1-11, 2020, S Amalia, D Djamas, Y Yulkifli, 2020

Developing Student Worksheets Using Inquiry-based Learning Model with Scientific Approach to Improve Tenth Grade Students Physics Competence. *Jurnal Penelitian Fisika dan Aplikasinya (JPFA)* 10 (1), 56-70, 2020, Y Yulkifli, R Jaafar, L Resnita, 2020

Preliminary analysis development of interactive student worksheets using inquiry based learning model for 10th grade senior high school. *Journal of Physics: Conference Series* 1481 (1), 012073, 2020, EYA Samudra, Y Yulkifli, RA Widestra, 2020

Preliminary analysis of development electronic module using inquiry based learning model for 21st century. *Journal of Physics: Conference Series* 1481 (1), 012070, 2020, F Nisak, Y Yulkifli, 2020

Preliminary analysis of interactive student worksheets development using the science process skill approaching the 21st century physics learning. *Journal of Physics: Conference Series* 1481 (1), 012072, 2020, RA Widestra, Y Yulkifli, EYA Samudra, 2020

Measuring the physics students' data literacy skill in the era of industry 4.0 by using mirecal learning model. *International Journal of Scientific and Technology Research* 9 (1), 1203-1205, 2020, A Lusiyana, Festiyed, Yulkifli, 2020

Development Of Electronic Physics Module For Class XI High School Semester 2 Using Model Inquiry Based Learning Integrated Approach Contextual Teaching And Learning. *IOSR Journal of Research & Method in Education (IOSR-JRME)* 10 (issue 2), ..., 2020, Yulkifli, Elmi Yanto, A.S, Rahmi Agustia, W., Ifzi Ihsan, Yohandri, 2020

Rancang Bangun Sistem Pengukuran Tekanan Udara Menggunakan DT-Sense Barometric Pressure Berbasis Internet of Things dengan Tampilan pada Smartphone. *Jurnal Teori dan Aplikasi Fisika* 8 (No. 1), 1-10, 2020, Indah Tri Handini, Yulkifi, Yenni Darvina, 2020

Research of the Last 5 Years

Pengembangan Early Warning System Gempa Bumi Dengan Display Smartphone Berbasis Sensor Getaran Tiga Dimensi. *Penelitian Terapan Kompetitif Nasional*, Leader: Yulkifli, Implementation Year: 2024

Pengembangan Protector Scoring System Berbasis Sensor Pada Pencak Silat Kategori Tanding Untuk Standarisasi Penilaian. *Penelitian Terapan Unggulan Perguruan Tinggi*, Leader: Nurul Ihsan, Implementation Year: 2023

Pengembangan Early Warning System Gempa Bumi Dengan Display Smartphone Berbasis Sensor Getaran Tiga Dimensi. *Penelitian Terapan Kompetitif Nasional*, Leader: Yulkifli, Implementation Year: 2023

Pengembangan Otomatisasi Instrumen Klimatologi Tanah Pertanian Berbasis Internet Of Things Dengan Display Smartphone Android. *Pt-penelitian Terapan*, Leader: Yulkifli, Implementation Year: 2022

Pengembangan Early Warning System Gempa Bumi Dengan Display Smartphone Berbasis Sensor Getaran Tiga Dimensi. *Penelitian Terapan Kompetitif Nasional*, Leader: Yulkifli, Implementation Year: 2022

Pembuatan Sensor Glukosa Berbasis Bahan Nanomaterial Zinc Nitrate Sodium Dedocyl Sulphate Fluazinam. *Penelitian Tesis Magister*, Leader: Yulkifli, Implementation Year: 2022

Pengembangan E-modul Fisika Terintegrasi Literasi Saintifik Menggunakan Model Inquiry Based Learning Berbantuan Smartphone Untuk Mendukung Pembelajaran Daring Peserta Didik Kelas X Sma. Penelitian Tesis Magister, Leader: Yulkifli, Implementation Year: 2022

Rancang Bangun Early Warning System Infus Pasien Menggunakan Sistem Otomatisasi Melalui Display Smartphone. Pt-penelitian Unggulan Perguruan Tinggi Terapan, Leader: Aulia Asman, Implementation Year: 2022

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 Protector Scoring System Berbasis Sensor Pada Pencak Silat Kategori Tanding Untuk Standarisasi Penilaian. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Nurul Ihsan, Implementation Year: 2022

Pengembangan Bahan Ajar Ipa Terpadu Menggunakan Pendekatan Etno-stem Untuk Mendukung Pembelajaran Era Revolusi Industri 4.0. Ptpt-penelitian Terapan, Leader: Murtiani, Implementation Year: 2021

Pengembangan Model Pembelajaran Multi-representasi Pemecahan Masalah (mirecal) Untuk Meningkatkan Keterampilan Literasi Baru Mahasiswa Di Era Revolusi Industri 4.0. Penelitian Disertasi Doktor, Leader: Festiyed, Implementation Year: 2021

Pengembangan Otomatisasi Instrumen Klimatologi Tanah Pertanian Berbasis Internet Of Things Dengan Display Smartphone Android. Ptpt-penelitian Terapan, Leader: Yulkifli, 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

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

Pengembangan Protector Scoring System Berbasis Sensor Pada Pencak Silat Kategori Tanding Untuk Standarisasi Penilaian. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Nurul Ihsan, Implementation Year: 2021

Pengembangan Bahan Ajar Berbasis Project Based Learning Berbantuan Science Laboratory Kit Untuk Siswa Sma. Penelitian Tesis Magister, Leader: Yohandri, 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

Pengembangan Model Pembelajaran Multi-representasi Pemecahan Masalah (mirecal) Untuk Meningkatkan Keterampilan Literasi Baru Mahasiswa Di Era Revolusi Industri 4.0. Penelitian Disertasi Doktor, Leader: Festiyed, Implementation Year: 2020

Desain Dan Pembuatan Sistem Akuisisi Data Berbasis Android Dengan Display Smartphone Untuk Pengukuran Parameter Udara. Penelitian Unggulan Perguruan Tinggi Terapan, Leader: Yulkifli, Implementation Year: 2020

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

Pengembangan Lkpd Berbasis Model Inquiry Based Learning (ibl) Dengan Pendekatan Multi-representasi Untuk Meningkatkan Kemampuan Kolaboratif Pada Pembelajaran Fisika Abad Ke-21. Penelitian Tesis Magister, Leader: Yulkifli, Implementation Year: 2020

Pengembangan Bahan Ajar Berbasis Discovery Learning Berbantuan Science Lab Kit Untuk Siswa Sma. Penelitian Tesis Magister, Leader: Yohandri, Implementation Year: 2020

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

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

Community Service of the Last 5 Years

Pengembangan Peralatan Praktikum Fisika Dengan Display Smartphone Berbantuan Iot. Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Yulkifli, Implementation Year: 2022

Pengembangan Usaha Produk Peralatan Praktikum Fisika. Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Yulkifli, Implementation Year: 2020

IPR's of the Last 5 Years

-

Book of the Last 5 Years

LKPD berbasis model inquiry based learning dengan pendekatan multirepresentasi terintegrasi literasi saintifik. ISBN: 9786025994685, Publisher: CV. Berkah Prima, Year: 2020

LKPD interaktif model inquiry based learning menggunakan pendekatan keterampilan proses terintegrasi literasi saintifik. ISBN: 9786025994692, Publisher: CV. Berkah Prima, Year: 2020

Colorimeter dengan display smartphone. ISBN: 9786025994715, Publisher: CV. Berkah Prima, Year: 2020
