



## CURRICULUM VITAE

**Prof. Yohandri, M.Si., Ph.D.**

**Faculty:** Fakultas Matematika dan IPA

**Study Programs:** Pendidikan Ilmu Pengetahuan Alam

**Email:** yohandri@fmipa.unp.ac.id, **Phone:**

### Biography

#### Scopus of the Last 5 Years

Networked-based Inquiry: An Effective Physics Learning in the New Normal COVID-19 Era in Indonesia.

International Journal of Instruction, Festiyed, 2022

Low Sidelobe and Tilted Beam Microstrip Antenna for Circularly-Polarized SAR Onboard UAV. Progress in Electromagnetics Research Letters, Yohandri, 2022

Digital experiment system of uniform circular motion with remote laboratory based on website. Journal of Physics: Conference Series, Yohandri, 2022

Volleyball Smash Test Instrument Design with Sensor Technology. Journal of Physics: Conference Series, Komaini A., 2022

Tourist Counter Design Using RFID Sensors for Real Time Monitoring. Journal of Physics: Conference Series, Sentosa M., 2022

Needs Analysis as a Basis for the Development of POE-Based Physics Learning Tools to improve Science Process Skills. Journal of Physics: Conference Series, Amelia R., 2022

Digital experimental system of connecting wheel motion with remote laboratory based on website. Journal of Physics: Conference Series, Asrizal, 2022

Tool modelling system of atwood machine with remote control of released objects for tracker video analysis. Journal of Physics: Conference Series, Asrizal, 2022

A Design of Broadband Axial Ratio Ellipse Microstrip Antenna for CP-SAR Sensor. 2022 International Symposium on Antennas and Propagation, ISAP 2022, Yohandri, 2022

Preliminary analysis and the need for physics learning in SMAN 1 Koto Baru. AIP Conference Proceedings, Damayanti I.R., 2021

Preliminary research of networked-based inquiry model development to improve 21st-century competencies of students on physics learning in senior high school. Journal of Physics: Conference Series, Novitra F., 2021

Development of Online-based Inquiry Learning Model to Improve 21st-Century Skills of Physics Students in Senior High School. Eurasia Journal of Mathematics, Science and Technology Education, Novitra F., 2021

Project, technology and active (PROTECTIVE) learning model to develop digital literacy skills in the 21st century. International Journal of Scientific and Technology Research, Rohman F., 2020

Development of student worksheets (SW) based on project based learning models assisted by tracker applications with scientific approach on simple harmonic motion. International Journal of Scientific and Technology Research, Yohandri, 2020

Preliminary study of physics teaching materials design based on inquiry based learning integrated creative thinking. International Journal of Scientific and Technology Research, Cahyati M.T., 2020

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

Validity of student worksheet based on project based learning models assisted by tracker application for simple harmonic motion experiment. Journal of Physics: Conference Series, Lusiana, 2020

How is the student worksheet design (LAPD) based on project based learning (PjBL) models in Senior High School Physics X learning? Literature review. Journal of Physics: Conference Series, Maharani B., 2020

Validity of student's worksheets based on project based learning assisted tracker application. Journal of Physics: Conference Series, Lismidarni S., 2020

Preliminary analysis of physical module practicum modelling project based learning to improve scientific skills of high school students. Journal of Physics: Conference Series, Hamdani Y., 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

Design and manufacture of teaching edupark physics Mifan water park Padang Panjang, Indonesia with discovery learning model. Journal of Physics: Conference Series, Sari D.P., 2020

Design of edupark Physics book with Project Based Learning based on Ngarai Sianok National Geopark, Indonesia. Journal of Physics: Conference Series, Emafri W., 2020

Preliminary analysis of physics lab textbooks using project based learning model to improve the scientific skills of high school students. Journal of Physics: Conference Series, Anggreni Y.D., 2020

Design of water height detector model in runway based on internet of things. Journal of Physics: Conference Series, Aulia Mardiah P., 2020

Design of automatic infusion monitoring system based on Arduino. Journal of Physics: Conference Series, Sifa Fauziyyah A., 2020

Development of interactive multimedia learning materials for improving critical thinking skills. Research Anthology on Developing Critical Thinking Skills in Students, Djamas D., 2020

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

-

### Google Scholar of the Last 5 Years

The development of science learning media etno-vlog fermentation cencaluk in riau. Jurnal Penelitian Pendidikan IPA 8 (1), 302-308, 2022, R Awal, M Azhar, Y Yohandri, 2022

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

---

Pelatihan Kesiapsiagaan Menghadapi Bencana untuk Masyarakat yang Berada Di "Seismic Gap"Desa Muara Siberut. *Suluah Bendang: Jurnal Ilmiah Pengabdian Kepada Masyarakat* 22 (1), 146-154, 2022, P Razi, Y Yohandri, NY Sudiar, T Thamrin, A Asrizal, 2022

---

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

---

Degradasi Zat Warna Methyl Violet dengan Katalis ZnO/Ag Menggunakan Metode Fotosonolisis. *Periodic* 11 (1), 24-28, 2022, R Sari, H Sanjaya, Y Yohandri, A Amran, A Putra, 2022

---

Degradasi Asam Humat Pada Air Rawa Gambut menggunakan Metode Fotosonolisis dengan Bantuan Katalis ZnO. *Periodic* 11 (1), 35-39, 2022, A Zulkarnaini, H Sanjaya, Y Yohandri, UK Nizar, 2022

---

Networked-Based Inquiry: An Effective Physics Learning in the New Normal COVID-19 Era in Indonesia.. *International Journal of Instruction* 15 (2), 997-1016, 2022, F Novitra, 2022

---

Low Sidelobe and Tilted Beam Microstrip Antenna for Circularly-Polarized SAR Onboard UAV. *Progress In Electromagnetics Research Letters* 104, 95-103, 2022, A Yohandri, A Awaludin, JTS Sumantyo, 2022

---

Android-Based Measurement Design of Leg Muscle Power. *PILLAR OF PHYSICS* 15 (1), 2022, M Irsyad, N Ihsan, 2022

---

Volleyball Smash Test Instrument Design With Sensor Technology. *Journal of Physics: Conference Series* 2309 (1), 012011, 2022, A Komaini, FD Illahi, TH Sin, SG Handayani, N Ayubi, 2022

---

Low Sidelobe and Tilted Beam Microstrip Antenna for Circularly-Polarized SAR Onboard UAV.. *Progress in Electromagnetics Research Letters* 104, 2022, A Awaludin, JT Sumantyo, 2022

---

The Decision Support System of Students Recruitment as Teacher Candidates using Multilevel Multi Attribute Utility Theory (MAUT). *Internet of Things and Artificial Intelligence Journal* 2 (2), 60-74, 2022, A Wahid, M Muharram, BA Rauf, M Agung, Y Yohandri, B Baharuddin, ..., 2022

---

Digital experiment system of uniform circular motion with remote laboratory based on website. *Journal of Physics: Conference Series* 2309 (1), 012038, 2022, Yohandri, Asrizal, I Chazanah, 2022

---

Digital experimental system of connecting wheel motion with remote laboratory based on website. *Journal of Physics: Conference Series* 2309 (1), 012051, 2022, Asrizal, V Lorenza, Yohandri, 2022

---

Tool modelling system of atwood machine with remote control of released objects for tracker video analysis. *Journal of Physics: Conference Series* 2309 (1), 012043, 2022, Asrizal, T Pratiwi, Yohandri, 2022

---

Analysis of ethnoscience integrated environmental literacy for junior high school. *JPBI (Jurnal Pendidikan Biologi Indonesia)* 8 (2), 178-188, 2022, S Solheri, M Azhar, Y Yohandri, 2022

---

Needs Analysis as a Basis for the Development of POE-Based Physics Learning Tools to improve Science Process Skills. *Journal of Physics: Conference Series* 2309 (1), 012056, 2022, R Amelia, 2022

---

Tourist Counter Design Using RFID Sensors For Real Time Monitoring. *Journal of Physics: Conference Series* 2309 (1), 012017, 2022, M Sentosa, 2022

---

ETNO-STEM DALAM PEMBELAJARAN IPA: A SYSTEMATIC LITERATURE REVIEW. Kwangsan: Jurnal Teknologi Pendidikan 10 (2), 147-163, 2022, M Azhar, F Arsih, 2022

---

Degradation of Methyl Green Dyes with ZnO Catalyst using the Photonsolysis Method. Periodic 11 (2), 6-9, 2022, MG Ariski, H Sanjaya, A Alizar, D Beri, Y Yohandri, 2022

---

Komersialisasi Hasil Penelitian Melalui Pusat Layanan Pengukuran Kondisi Fisik. Wahana Dedikasi: Jurnal PkM Ilmu Kependidikan 5 (2), 2022, N Ihsan, A Komaini, Y Yohandri, Y Yulhendri, 2022

---

A Design of Broadband Axial Ratio Ellipse Microstrip Antenna for CP-SAR Sensor. 2022 International Symposium on Antennas and Propagation (ISAP), 397-398, 2022, F Alhaqqi, K Budayawan, 2022

---

E-Book Development Effectiveness Problem Based Learning with Quizing in Physics Learning. Jurnal Penelitian Pendidikan IPA 8 (6), 3044-3049, 2022, IR Damayanti, Y Yohandri, 2022

---

Pengembangan E-book Berbasis Discovery Learning Terintegrasi Keterampilan 4C Untuk Pembelajaran Fisika SMA. JURNAL EKSAKTA PENDIDIKAN (JEP) 6 (2), 117-127, 2022, YD Anggreni, Y Yohandri, 2022

---

Rancang Bangun Spectrometer Berbasis Arduino untuk Pengukuran Absorbansi Cairan. Universitas Negeri Padang, 2022, D Rahmawati, 2022

---

Perancangan Alat Pengamanan Brankas Otomatis Menggunakan RFID dan Fingerprint Berbasis Mikrokontroler. Universitas Negeri Padang, 2022, A Saputra, 2022

---

Rancang Bangun Sistem Packaging Pupuk Anorganik Dengan Tally Counter Berbasis IOT. Universitas Negeri Padang, 2022, AR Apriani, 2022

---

Degradasi Methyl Orange Secara Fotosolisis Menggunakan Katalis ZnO/TiO<sub>2</sub>. Periodic 10 (1), 69-72, 2021, N Nurhafizah, H Sanjaya, H Hardeli, Y Yohandri, 2021

---

Land subsidence estimation using DinSAR method ALOS PALSAR image in Padang City West Sumatra, Indonesia. PILLAR OF PHYSICS 14 (1), 2021, R Sukmawati, MM Waqar, JTS Sumantyo, 2021

---

Degradasi Zat Warna Methylene Blue dengan Katalis ZnO-CuO Menggunakan Metode Fotosolisis. Periodic 10 (2), 42-45, 2021, N Nilam, H Sanjaya, Y Yohandri, 2021

---

Degradasi Zat Warna Methyl Orange dengan Katalis ZnO-Co Menggunakan Metode Fotosolisis. Periodic 10 (2), 33-37, 2021, L Suryani, H Sanjaya, Y Yohandri, 2021

---

Degradasi Rhodamin B dengan Katalis ZnO-Fe Menggunakan Metode Fotosolisis. Periodic 10 (2), 46-50, 2021, W Wulandari, H Sanjaya, Y Yohandri, 2021

---

KEMANDIRIAN DAN MOTIVASI BELAJAR BIOLOGI SISWA MENGGUNAKAN GOOGLE CLASSROOM PADA MASA PANDEMI COVID-19. Bio-Lectura: Jurnal Pendidikan Biologi 8 (2), 158-166, 2021, R Rikizaputra, M Dinata, M Azhar, Y Yohandri, 2021

---

DEVELOPMENT OF COORDINATIONS TEST SYSTEM BASED ON ARDUINO. PILLAR OF PHYSICS 14 (1), 2021, AMR Hidayat, Y Yohandri, 2021

---

The development of height and weight measuring instruments for web-based Anthropometric tests. INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 21 (2), 119-130, 2021, PY Mahardika, Y Yohandri, 2021

---

Electronic Validity Of Workshop Based On The Project-Based Learning Model Assisted With The Science Laboratory Kit To Improve Science Process Skills In Class X SMA. International Journal of Progressive Sciences and Technologies 26 (2), 672-678, 2021, B Maharani, Y Yohandri, 2021

---

- Preliminary analysis and the need for physics learning in SMAN 1 Koto Baru. AIP Conference Proceedings 2331 (1), 030035, 2021, IR Damayanti, Yohandri, 2021
- 
- Pengaruh Bahan Ajar Fisika Berbasis Model Problem Based Learning Menggunakan Pendekatan CTL Terhadap Berpikir Kritis Peserta Didik. Jurnal Penelitian Pembelajaran Fisika 7 (1), 2021, YA Putri, Y Yohandri, 2021
- 
- Efektivitas Bahan Ajar Fisika Berbasis Inquiry dengan Pendekatan CTL untuk Meningkatkan Berpikir Kreatif Peserta Didik. Jurnal Penelitian Pembelajaran Fisika 7 (1), 2021, MT Cahyati, Y Yohandri, 2021
- 
- Development of a dip coating tool for thin layer growers based on the Raspberry Pi 3. PILLAR OF PHYSICS 13 (2), 2021, I Mardhiyah, 2021
- 
- Development of Online-Based Inquiry Learning Model to Improve 21st-Century Skills of Physics Students in Senior High School.. Eurasia Journal of Mathematics, Science and Technology Education 17 (9), 2021, F Novitra, 2021
- 
- Effectiveness of E-Module Based on Integrated Project Based Learning Model Ethno-STEM Approach on Smartphones for Student Senior High School Grade XI. International Journal of Progressive Sciences and Technologies (IJPSAT 30Â ..., 2021, H Azis, 2021
- 
- Development of interactive multimedia learning materials for improving critical thinking skills. Research Anthology on Developing Critical Thinking Skills in Students, 507-525, 2021, D Djamas, V Tinedi, 2021
- 
- Preliminary research of networked-based inquiry model development to improve 21st-century competencies of students on physics learning in senior high school. Journal of Physics: Conference Series 1876 (1), 012047, 2021, F Novitra, 2021
- 
- 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
- 
- 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
- 
- 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
- 
- Pengembangan Aplikasi Analisis Parameter Sistem Ground-Based SAR. Setrum: Sistem Kendali-Tenaga-elektronika-telekomunikasi-komputer 9 (1), 24-32, 2020, Y Yohandri, I Alimuddin, A Asrizal, 2020
- 
- Design and manufacture of teaching edupark physics Mifan water park Padang Panjang, Indonesia with discovery learning model. Journal of Physics: Conference Series 1481 (1), 012097, 2020, DP Sari, H Rifai, W Emafri, 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
- 
- Measurement of kinetic friction coefficient through magnetic induction using audacity application in physics learning. International Association of Online Engineering, 2020, F Rohman, Y Azwir, A Fauzan, 2020
- 
- Development of Coordination Test Tools. 1st International Conference of Physical Education (ICPE 2019), 181-184, 2020, SG Handayani, A Komaini, 2020
- 
- Validity of Teaching Materials Based on Problem Based Learning Using Contextual Teaching and Learning Approach to Improve Critical Thinking. International Journal of Progressive Sciences and Technologies 23 (1), 63-70, 2020, YA Putri, Y Yohandri, 2020
-

Fabrication Of Aquaponic System For Integrated Freshwater Fish And Vegetables Cultivation. Pelita Eksakta 3 (2), 114-119, 2020, Y Yohandri, 2020

Validity of teaching materials based on the inquiry based learning model with the CTL approach to improve students' creative thinking skills. International Journal of Progressive Sciences and Technologies 23 (1), 71-78, 2020, MT Cahyati, Y Yohandri, 2020

Design of water height detector model in runway based on internet of things. Journal of Physics: Conference Series 1528 (1), 012022, 2020, PA Mardiah, 2020

Design of automatic infusion monitoring system based on Arduino. Journal of Physics: Conference Series 1528 (1), 012025, 2020, AS Fauziyyah, 2020

Project, Technology and Active (PROTECTIVE) learning model to develop digital literacy skills in the 21st century. International Journal of Scientific & Technology Research 9 (1), 12-16, 2020, F Rohman, A Fauzan, Y Yohandri, 2020

Development of an automatic multi-electrode digital resistivity meter for the Schlumberger configuration. Pillar Phys 13, 74-81, 2020, E Huda, E Yohandri, 2020

How is the student worksheet design (LAPD) based on project based learning (PjBL) models in Senior High School Physics X learning? Literature review. Journal of Physics: Conference Series 1481 (1), 012061, 2020, B Maharani, 2020

Pengembangan digital resistivity meter multielektroda otomatis untuk konfigurasi Schlumberger (Development of an automatic multi-electrode digital resistivity meter for theÂ .... PILLAR OF PHYSICS 13 (1), EF Huda, 2020

Validity of student's worksheets based on project based learning assisted tracker application. Journal of Physics: Conference Series 1481 (1), 012127, 2020, S Lismidarni, 2020

Preliminary analysis of physical module practicum modelling project based learning to improve scientific skills of high school students. Journal of Physics: Conference Series 1481 (1), 012074, 2020, Y Hamdani, 2020

Preliminary analysis of physics lab textbooks using project based learning model to improve the scientific skills of high school students. Journal of Physics: Conference Series 1481 (1), 012043, 2020, YD Anggreni, 2020

Validity of student worksheets based on inquiry based learning models assisted by tracker application. Journal of Physics: Conference Series 1481 (1), 012125, 2020, R Fadilah, 2020

Analisis Hubungan Digital Attitude and Literacy dengan 21st-Century Competencies Siswa SMA di Provinsi Jambi. JURNAL EKSAKTA PENDIDIKAN (JEP) 4 (2), 130-137, 2020, F Novitra, F Festiyed, Y Yohandri, 2020

Pengembangan digital resistivity meter multielektroda otomatis untuk konfigurasi Schlumberger (Development of an automatic multi-electrode digital resistivity meter for theÂ .... PILLAR OF PHYSICS 13 (1), 2020, EF Huda, 2020

Pembuatan alat ukur kedalaman air menggunakan sensor sonar (An instrument to measure the water depth using a sonar sensor). PILLAR OF PHYSICS 13 (1), 2020, C Syefriana, 2020

Etno-STEM Dalam Pembelajaran Sains Di Indonesia: Tinjauan Literatur yang Sistematis. Jurnal Teknologi Pendidikan: Kwangsan. ISSN daring, 2622-4283, 2020, MA Nurhasnah, FA Yohandri, 2020

## Research of the Last 5 Years

Analisis Dan Monitoring Daerah Rawan Longsong Menggunakan Data Drone Dan Ground-based Sar. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Yohandri, Implementation Year: 2022

---

Pengembangan Broadband Axial Ratio Antena Mikrostrip Untuk Sensor Circularly Polarized Synthetic Aperture Radar (cp-sar). Penelitian Dasar Kompetitif Nasional, Leader: Yohandri, Implementation Year: 2022

---

Pengembangan Antena Fleksibel Menggunakan Teknik Tenun Untuk Aplikasi Body-worn. Riset Kolaborasi Indonesia, Leader: Yohandri, 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 Remote Laboratory Berbasis Web Untuk Pelaksanaan Real Eksperimen Secara Daring. Pd-penelitian Dasar, Leader: Asrizal, Implementation Year: 2022

---

Pengembangan Sistem Remote Laboratory Untuk Eksperimen Air Track. Penelitian Tesis Magister, Leader: Yohandri, Implementation Year: 2022

---

Pengembangan Model Networked-based Inquiry (monbi) Untuk Mengembangkan Ketrampilan Abad 21 Dalam Pembelajaran Fisika. Penelitian Disertasi Doktor, Leader: Festiyed, Implementation Year: 2022

---

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

---

Rancang Bangun Reaktor Fotosonolisis Untuk Pengolahan Limbah Organik Industri. Penelitian Terapan, Leader: Yohandri, Implementation Year: 2021

---

Pengembangan Remote Laboratory Berbasis Web Untuk Pelaksanaan Real Eksperimen Secara Daring. Pdpt-penelitian Dasar, Leader: Asrizal, Implementation Year: 2021

---

Analisis Dan Monitoring Daerah Rawan Longsong Menggunakan Data Drone Dan Ground-based Sar. Pdpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Dasar, Leader: Yohandri, Implementation Year: 2021

---

Pengembangan Model Networked-based Inquiry (monbi) Untuk Mengembangkan Ketrampilan Abad 21 Dalam Pembelajaran Fisika. Penelitian Disertasi Doktor, Leader: Festiyed, Implementation Year: 2021

---

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

---

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

---

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

---

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

---

Pengembangan Model Pembelajaran Protectiv (project, Technology, And Active) Untuk Meningkatkan Keterampilan Mahasiswa Pada Pendidikan Abad 21. Penelitian Disertasi Doktor, Leader: Yohandri, Implementation Year: 2020

---

Exploring Volcanic Eruption Activities From The Magnetic Properties Of Sediments. Penelitian Dasar, Leader: Hamdi, Implementation Year: 2020

---

### Community Service of the Last 5 Years

Pusat Layanan Tes Pengukuran Kondisi Fisik. Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Nurul Ihsan, Implementation Year: 2022

---

Pusat Layanan Tes Pengukuran Kondisi Fisik. Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Nurul Ihsan, Implementation Year: 2021

---

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

REAKTOR FOTOSONOLISIS BERBASIS MIKROKONTROLER. Inventor: Yohandri, M.Si, Ph.D; Hary Sanjaya, M.Si; Prof. Dr. Indang Dewata, M.Si., Publication Date: 2021-11-19

---

### Book of the Last 5 Years

Mikrokontroler dan pemograman. ISBN: 9786232319929, Publisher: Rajawali Pers, Year: 2021

---

Elektronika dasar : komponen, rangkaian dan aplikasi. ISBN: 9786233721479, Publisher: Rajawali Pers, Year: 2021

---

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

---

Model pembelajaran protective : project, technology dan active. ISBN: 9786236688700, Publisher: PT. Pena Persada Kerta Utama, Year: 2020

---