



## CURRICULUM VITAE

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**Faculty:** Fakultas Matematika dan IPA

**Study Programs:** Pendidikan Ilmu Pengetahuan Alam

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### 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

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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

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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

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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

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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

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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

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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

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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

### 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

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

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

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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

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

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### **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

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### **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

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### **Book of the Last 5 Years**

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

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

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