



## CURRICULUM VITAE

**Fadhli Ranuharja, S.Pd., M.Pd.T.**

**Faculty:** Fakultas Teknik

**Study Programs:** Teknik Listrik

**Email:** fadhliiranu@ft.unp.ac.id, **Phone:** +6281365388519

### Biography

#### Scopus of the Last 5 Years

ViCTâ??Virtual Campus Tour Environment with Spherical Panorama: A Preliminary Exploration. International Journal of Interactive Mobile Technologies, Samala A.D., 2022

Development design augmented reality-based jobsheet in CNC programming subjects. International Journal of Innovation, Creativity and Change, Prasetya F., 2020

Exploring Campus through Web-Based Immersive Adventures Using Virtual Reality Photography: A Low-Cost Virtual Tour Experience. International journal of online and biomedical engineering, Samala A.D., 2024

Computational Evaluation of the Potential of Salicylate Compound from Syzygium aromaticum on Carbonic Anhydrase I as a Gastric Acid Stimulant. Pharmacognosy Journal, Zainul R., 2023

Exploring the Impact of Gamification on 21st-Century Skills: Insights from DOTA 2. International Journal of Interactive Mobile Technologies, Samala A.D., 2023

Effectiveness of Project Based Learning Models on Student Interests and Learning Outcomes in Industrial Robot. Migration Letters, Mirshad E., 2023

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

Possibility of Burning Americium in Fast Reactors. ATOMIC ENERGY, Gulevich, AV; Eliseev, VA; Klinov, DA; Korobeinikova, LV; Kryachko, MV; Pershukov, VA; Troyanov, VM,; 2020

#### Google Scholar of the Last 5 Years

Improving marketing skills through logo design training for the local business community. Journal of Community Service and Empowerment 4 (1), 78-83, 2023, F Ranuharja, W Indrayeni, AD Samala, A Hasim, C Larashati, 2023

Effect Of Cut Depth On Rough Quality And Energy Consumption When Turing Cylindrical With The Pinacho S-90/200 Lathe. The International Journal of Advanced Smart Convergence 12 (1), 101-107, 2023, S Van Nguyen, F Ranuharja, 2023

EDUKATIF: JURNAL ILMU PENDIDIKAN. , HSB Butar, Y Karneli, 2022

The New Paradigm of Technical and Vocational Education and Training (TVET). *EDUKATIF: jurnal ilmu pendidikan* 4 (1), 364-371, 2022, AR Riyanda, N Jalinus, R Abdullah, F Ranuharja, S Islami, NH Adi, ..., 2022

---

Perancangan Sistem Informasi Pelayanan Penduduk Berbasis Website Pada Lingkungan Kelurahan Tanjung Ayun Sakti. *Research in Technical and Vocational Education and Training* 1 (1), 41-49, 2022, AR Prasetya, F Ranuharja, IP Dewi, S Syukhri, 2022

---

Development of District Civil Service Applications. *Sinkron: jurnal dan penelitian teknik informatika* 7 (2), 504-514, 2022, F Ranuharja, Y Indarta, AD Samala, IP Dewi, 2022

---

The Impact of Basic Programming Interactive E-Module Implementation on Students' Learning Outcomes in Distance Learning. *Sinkron: Jurnal dan Penelitian Teknik Informatika* 7 (2), 351-358, 2022, AD Samala, A Ambiyar, Sukardi, Y Indarta, F Ranuharja, 2022

---

Feasibility Test Assessment of LENTERA as Learning Source Media. *Multidisciplinary International Journal of Research and Development (MIJRD)* ..., 2022, F Ranuharja, Ambiyar, Ganefri, Fadhilah, AD Samala, Y Indarta, 2022

---

Perancangan E-Commerce Toko Haransaf Exclusive Syar'i Berbasis Website. *Research in Technical and Vocational Education and Training* 1 (1), 50-63, 2022, AA Adesti, F Ranuharja, 2022

---

LEARNING MEDIA CONTENT INTERACTIVE VIDEO PRESENTATION ORIENTED CREATIVE PROBLEM SOLVING MODEL: A VALIDITY TEST. *Humanidades & Inovação* 9 (17), 318-327, 2022, Y Indarta, F Ranuharja, S Sukardi, AD Samala, A Ambiyar, F Muzer, ..., 2022

---

others, G. Ambiyar, ADS Fadhilah, and Y. Indarta, "Feasibility Test Assessment of LENTERA as Learning Source Media,". *Res. Tech. Vocat. Educ. Train* 1 (1), 41-49, 2022, FF Ranuharja, IP Dewi, 2022

---

Web Application Development for Syari Online Shop Using 4D Model Development. *Sinkron: jurnal dan penelitian teknik informatika* 7 (2), 720-728, 2022, Y Indarta, F Ranuharja, S Sukardi, AD Samala, Samala, IP Dewi, 2022

---

Studi Literatur: Peranan Model-Model Pembelajaran Inovatif Bidang Pendidikan Teknologi Kejuruan. *Edukatif J. Ilmu Pendidik* 4 (4), 5762-5772, 2022, Y Indarta, Ambiyar, F Rizal, F Ranuharja, AD Samala, IP Dewi, 2022

---

Entrepreneurial intentions for engineering students: Does entrepreneurship education and family environment matter?. *Journal of Innovation in Educational and Cultural Research* 3 (4), 590-606, 2022, AD Samala, G Ganefri, A Yulastri, Y Indarta, F Ranuharja, IP Dewi, 2022

---

ViCT--Virtual Campus Tour Environment with Spherical Panorama: A Preliminary Exploration.. *International Journal of Interactive Mobile Technologies* 16 (16), 2022, AD Samala, F Ranuharja, BR Fajri, Y Indarta, W Agustiarini, 2022

---

Keamanan Siber: Tantangan di Era Revolusi Industri 4.0. *Yayasan Kita Menulis*, 2022, Y Indarta, F Ranuharja, IF Ashari, JI Sihotang, J Simarmata, H Harmayani, ..., 2022

---

Development of Interactive Learning Media Edugame Using ADDIE Model. *Jurnal Teknologi Informasi dan Pendidikan* 14 (1), 53-59, 2021, F Ranuharja, G Ganefri, BR Fajri, F Prasetya, AD Samala, 2021

---

Analisis dan Perancangan Database Menggunakan Model Konseptual Data Warehouse Sistem Manajemen Transaksi Toko Online Haransaf. *EDUKATIF: JURNAL ILMU PENDIDIKAN* 3 (6), 4448-4455, 2021, Y Indarta, D Irfan, M Muksir, W Simatupang, F Ranuharja, 2021

---

E-Jobsheet Based on Mobile Pocket Book as Digital Learning Resources (DLRs). *Jurnal Teknologi Informasi dan Pendidikan* 14 (2), 31-37, 2021, AD Samala, M Giatman, W Simatupang, F Ranuharja, 2021

---

Development of E-Module Courses Tata Boga 2 Based on Flip PDF Professional for Teaching Learning Process in The Pandemic of Covid 19. 8th International Conference on Technical and Vocational Education andÂ ..., 2021, Y Indarta, IP Dewi, L Asnur, F Ranuharja, AD Samala, 2021

---

Learn Algorithm and Programming in Higher Education Using E-Learning During the COVID-19 Pandemic: Students' Perspective. 8th International Conference on Technical and Vocational Education andÂ ..., 2021, AD Samala, F Ranuharja, IP Dewi, R Watrianthos, Y Indarta, 2021

---

Improved learning outcomes of CNC programming through Augmented Reality jobsheet learning media. INVOTEK: Jurnal Inovasi Vokasional Dan Teknologi 21 (3), 221-233, 2021, F Prasetya, BR Fajri, B Syahri, F Ranuharja, A Fortuna, A Ramadhan, 2021

---

Augmented Reality Technology for 3D Photoelectric Simulation. Jurnal Teknologi Informasi dan Pendidikan 14 (3), 217-222, 2021, AR Riyanda, N Jalinus, S Sukardi, W Waskito, F Ranuharja, AD Samala, ..., 2021

---

Approval Test of Augmented Reality-Based Learning Media on Computer Network Installation Materials. Jurnal Teknologi Informasi dan Pendidikan 14 (3), 223-229, 2021, HS Batubara, N Jalinus, S Sukardi, W Waskito, AD Samala, F Ranuharja, ..., 2021

---

Development of Android-Based Interactive Learning Media Using iSpring Suite Application. Jurnal Teknologi Informasi dan Pendidikan 14 (3), 230-236, 2021, IP Dewi, H Akbar, N Jalinus, W Waskito, D Irfan, 2021

---

PEMBELAJARAN BLENDED LEARNING BAGI GENERASI Z DI PERGURUAN TINGGI (STUDI KASUS: PENDIDIKAN TEKNIK INFORMATIKA UNIVERSITAS NEGERI PADANG). Jurnal Teknologi Informasi dan Pendidikan 13 (1), 45-53, AD Samala, BR Fajri, F Ranuharja, R Darni, 2020

---

Media Interaktif Pengenalan Bahasa Isyarat BISINDO. Jurnal Teknologi Informasi dan Pendidikan 13 (1), 35-44, 2020, BR Fajri, AD Samala, F Ranuharja, 2020

---

Perancangan Media Interaktif Gerak Tari Topeng Patih Pada Wayang Topeng Malangan Menggunakan Sensor Kinect. INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (2), 75-88, 2020, BR Fajri, AD Samala, F Ranuharja, 2020

---

Development design augmented reality-based jobsheet in CNC programming subjects. Int. J. Innov. Creat. Chang, 2020, F Prasetya, BR Fajri, F Ranuharja, 2020

---

Sistem Pelayanan Bantuan Mentor Bimbingan Belajar (Bambimbel) Berbasis Web. Jurnal Teknologi Informasi dan Pendidikan 13 (1), 73-79, 2020, F Ranuharja, BR Fajri, AD Samala, 2020

---

Pembelajaran Blended Learning Bagi Generasi Z di Era 4.0. Jurnal Teknologi Informasi dan Pendidikan 13 (1), 45-53, 2020, AD Samala, BR Fajri, F Ranuharja, R Darni, 2020

---

Development of Digital Multimedia Learning Content Mini Server Lentera. Jurnal Teknologi Informasi dan Pendidikan 13 (2), 75-79, 2020, G Ganefri, F Prasetya, F Ranuharja, BR Fajri, AD Samala, 2020

---

Desain dan Implementasi Media Pembelajaran Berbasis Mobile Learning menggunakan Moodle Mobile App. Jurnal Teknologi Informasi dan Pendidikan 12 (2), 13-20, 2019, AD Samala, BR Fajri, F Ranuharja, 2019

---

Mini Server Lentera Sebagai Alternatif Pembelajaran Digital Di Daerah 3t. Jurnal Teknologi Informasi dan Pendidikan 12 (2), 77-82, 2019, G Ganefri, BR Fajri, F Ranuharja, F Prasetya, R Fadillah, F Firdaus, 2019

---

Exploring Campus through Web-Based Immersive Adventures Using Virtual Reality Photography: A Low-Cost Virtual Tour Experience. International Journal of Online and Biomedical Engineering 20 (1), 2024, AD Samala, M Ricci, CJ Angel Rueda, L Boji?, F Ranuharja, W Agustiarmi, 2024

---

Exploring the impact of gamification on 21st-century skills: Insights from DOTA 2. *International Journal of Interactive Mobile Technologies* 17 (18), 33-54, 2024, AD Samala, L Boji?, D Vergara-Rodríguez, B Klimova, F Ranuharja, 2024

Check for updates Measuring Validity of Interactive Presentation Media Using Content Validity Index (CVI). *Proceedings of the 9th International Conference on Technical and Vocational ...*, 2023, Y Indarta, F Ambiyar, F Ranuharja, IP Dewi, 2023

Computational Evaluation of the Potential of Salicylate Compound from *Syzygium aromaticum* on Carbonic Anhydrase I as a Gastric Acid Stimulant. *Pharmacognosy Journal* 15 (4), 2023, R Zainul, R Verawati, RS Rita, F Ranuharja, M Ghufron, AD Samala, ..., 2023

Exploring the Impact of Gamification on 21st-Century Skills: Insights from DOTA 2.. *International Journal of Interactive Mobile Technologies* 17 (18), 2023, AD Samala, L Bojic, D Vergara-Rodríguez, B Klimova, F Ranuharja, 2023

Computational Evaluation of the Potential of Salicylate Compound from *Syzygium aromaticum* on Carbonic Anhydrase I as a Gastric Acid Stimulant.. *Pharmacognosy Journal* 15 (4), 2023, R Zainul, R Verawati, RS Rita, F Ranuharja, M Ghufron, AD Samala, ..., 2023

Enhancing Teachers' Proficiency in Implementing Augmented Reality Technology as Interactive Learning Media. *CONSEN: Indonesian Journal of Community Services and Engagement* 3 (2), 70-77, 2023, L Mursyida, F Ranuharja, IP Dewi, AD Samala, F Ryan, RP Sandra, ..., 2023

Effectiveness of Project Based Learning Models on Student Interests and Learning Outcomes in Industrial Robot. *Migration Letters* 20 (S1), 407-422, 2023, E Mirshad, EO Tettehio, F Ranuharja, 2023

Sistem Proteksi Brankas Berbasis RFID dan Arduino UNO Menggunakan Metode Prototyping. *J-HyTEL: Journal of Hypermedia & Technology-Enhanced Learning* 1 (2), 87-94, 2023, H Maulida, IR Valendi, O Nugraha, F Ranuharja, 2023

Pengembangan Model Pembelajaran Project Based Learning Pada Matakuliah Praktikum Algoritma Pemrograman: Desain Model Pembelajaran BerAKHLAK. *Jurnal Pendidikan Teknologi Informasi dan Vokasional* 5 (2), 37-55, 2023, F Ranuharja, A Ambiyar, U Verawrdina, AR Riyanda, E Mirshad, ..., 2023

Pendidikan Vokasional Dalam Perspektif Filosofi Pragmatisme. *Jurnal Pendidikan Teknologi Informasi dan Vokasional* 5 (2), 145-153, 2023, H Hamdani, N Jalinus, R Refdinal, F Ranuharja, 2023

Prototyping a Secure Key Management System: Integrating RFID and Keypad Technologies for Enhanced Safe Protection. *Journal of Hypermedia & Technology-Enhanced Learning (J-HyTEL)* 1 (2), 87-96, 2023, H Maulida, IR Valendi, O Nugraha, F Ranuharja, 2023

Development of Digital Multimedia Learning Content Mini Server Lentera. *Jurnal Teknologi Informasi dan Pendidikan* 13 (2), 75-79, 2021, G Ganefri, F Prasetya, F Ranuharja, BR Fajri, AD Samala, 2021

### Research of the Last 5 Years

Pengembangan Model Problem And Peer Tutoring-based Learning Berbantuan Augmented Reality (ar) Mata Kuliah Perakitan Komputer Untuk Pengembangan Keterampilan Abad 21. *Penelitian Pemula, Leader: Lativa Mursyida, Implementation Year: 2022*

Rancang Bangun Virtual Reality Tour Menggunakan 360-degree Panoramic Images Technique Untuk Visualisasi Lingkungan Kampus Berbasis Borderless Environment. Pd-penelitian Dasar, Leader: Agariadne Dwinggo Samala, Implementation Year: 2022

Pengembangan E-jobsheet Berbasis Flipbook Pada Matakuliah Pemrograman Dasar Komputer. Penelitian Pemula, Leader: Agariadne Dwinggo Samala, Implementation Year: 2021

Pengembangan Jobsheet Berbasis Augmented Reality Pada Mata Kuliah Pemrograman Cnc Teknik Mesin Universitas Negeri Padang. Penelitian Pemula, Leader: Febri Prasetya, Implementation Year: 2019

Sistem Pelayanan Bantuan Mentor Bimbingan Belajar (bambimbel) Berbasis Web Untuk Siswa Sma Dan Smk Di Kota Padang. Penelitian Pemula, Leader: Fadhli Ranuharja, Implementation Year: 2019

Rancang Bangun Virtual Reality Tour Menggunakan 360-degree Panoramic Images Technique Untuk Visualisasi Lingkungan Kampus Berbasis Borderless Environment. Pd-penelitian Dasar, Leader: Agariadne Dwinggo Samala, Implementation Year: 2023

### Community Service of the Last 5 Years

Pkm Pelatihan Perancangan Desain Branding Produk, Ig Feed Pemasaran Dan Desain Kemasan Produk Umkm Di Kawasan Wisata Goa Batu Kapal Kec Sangir Balai Jango Kab Solok Selatan. Program Kemitraan Masyarakat (pkm), Leader: Fadhli Ranuharja, Implementation Year: 2022

Pengembangan Unit Produksi Learning Material Resources For Remote Areas (lentera). Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Ganefri, Implementation Year: 2020

Pengembangan Unit Produksi Learning Material Resources For Remote Areas (lentera). Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Ganefri, Implementation Year: 2019

Pelatihan Perancangan Edugame Sebagai Media Pembelajaran Guru Sd Di Lingkungan Dinas Pendidikan Kab Dharmasraya. Program Kemitraan Masyarakat (pkm), Leader: Fadhli Ranuharja, Implementation Year: 2019

### IPR's of the Last 5 Years

SISTUMA Sistem Informasi Tugas Akhir Mahasiswa. Inventor: Wilyansah, Zulafwan, Fadhli Ranuharja, Yose Indarta, Agariadne Dwinggo Samala, Ika Parma Dewi, Publication Date: 2023-02-11

Aplikasi Vtour Hospitality Center UNP. Inventor: Agung Prasetya, Publication Date: 2022-04-08

E-Commerce Toko Haransaf Exclusive Syarâ??l Berbasis Website. Inventor: Fadhli Ranuharja, Ayu Adesti Aulia, Yeka Hendriyani, Hadi Kurnia Saputra, Yasdinul Huda, Agariadne Dwinggo Samala, Publication Date: 2022-07-04

Sistem Informasi Pelayanan Penduduk Berbasis Website Pada Lingkungan Kelurahan Tanjung Ayun Sakti (SIMPELPEN). Inventor: Fadhli Ranuharja, Andre Rizky Prasetya, Ika Parma Dewi, Syukhri, Agariadne Dwinggo Samala, Yose Indarta, Publication Date: 2022-05-26

E-Modul Algoritma & Pemrograman Dasar. Inventor: Agariadne Dwinggo Samala, Fadhli Ranuharja, Publication Date: 2021-06-29

Aplikasi E-Sertifikat LP3M UNP. Inventor: Bayu Ramadhani Fajri, Agariadne Dwinggo Samala, Fadhli Ranuharja,  
Publication Date: 2020-07-14

---

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

Digital entrepreneurship (digipreneurship) dan peluang bisnis dunia TVET. ISBN: 9786235612584, Publisher: CV. Muharika Rumah Ilmiah, Year: 2022

---

Keamanan siber [sumber e;lektronis] : tantangan di era revolusi industri 4.0. ISBN: 9786233425964, Publisher: Yayasan Kita Menulis, Year: 2022

---

Pemrograman C++ the beginning : from zero to one. ISBN: 9786021178737, Publisher: UNP Press, Year: 2021

---