

Rengga Prakoso Nugroho

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<https://renggaprakosonugroho.my.id> | <https://reng.my.id>

Education

State University of Malang

Bachelor of Education in Educational Technology, 2024

Thesis Title: Development of Learning Management System with Gamification Approach for Project-Based Learning (unpublished undergraduate thesis)

- Active in developing 8+ educational activities with student organizations.
- Active in the student community engaged in journalism and research which is contained in the UM Communication Magazine.
- Served as secretary at the departmental student association, successfully succeeded in 3 cross-university collaborations.

Research scope: Gamification, Learning Management, Instructional Models

State University of Malang

Fast-track in Masters of Education in Educational Technology, 2023

Thesis Title: -

Research Scope: Statistical Analysis, Instructional Models, Intelligent System

Training & Certifications

October 2022	Microsoft 365 Certified: Fundamentals
October 2022	Microsoft Certified: Azure Fundamentals
March 2021	Introduction Data to Programming
March 2021	Introduction to Programming Logic
September 2020	Certified Microsoft Innovative Educator
February 2020	Architecting with Google Kubernetes Engine
February 2020	Enterprise Design Thinking Practitioner
May 2023	Cloud Engineering

Projects & Experiences

Pameran Karya Teknologi Pendidikan

<https://pamerankarya.teknologipendidikan.or.id>

Web-based applications made to facilitate data management of educational technology work exhibitions organized by Educational Technology UM

- Designing a spreadsheet workbook for curators to select participants' works
- Developing a website using nextjs as a framework and cloud hosting
- Implementation of the interface design with the Chief Executive

EDTECH Open Educational Resources Repository

<https://sumberbelajar.teknologipendidikan.sch.id>

Web-based applications made to store Open Educational Resources made by Educational Technology Students to be accessed by cross institutions.

- Engineered the system with realtime update based on submission data
- Leveraged metadata controls to uniquely identified every resources
- Executing the licensing and material rights with proper acknowledgements.

Media Sawocangkring Website

<https://mediasawocangkring.my.id>

A website that specifically houses information on the activities, data and public information of Sawocangkring Village. Developed in an opensource manner.

- Development framework using NextJS and Static Site Generation
- Clipping and blog features for village activities available
- Developed with an independent team from the village government.

GPA, Graduate

Finished August 2024

GPA **3.7** / 4.0

Thesis Advisor:

Dr. Yerry Soepriyanto
Dr. Agus Wedi

Thesis Examiner:

Dr. Citra Kurniawan

[PDDIKTI Profile](#)

In Progress

GPA **0.00** / 4.0

Certificators

[Pearson VUE](#)
[Pearson VUE](#)
[Dicoding Indonesia](#)
[Dicoding Indonesia](#)
[Microsoft Education](#)
[Google Cloud](#)
[IBM](#)
[Qwiklabs Google](#)

Positions

Core System Engineer
[see contributions](#)

Core System Engineer
[see contributions](#)

Core System Engineer
[see contributions](#)

Research & Publications

Journal Articles

- **Rengga Prakoso Nugroho**. "Kajian Tren dan Isu terhadap Pengembangan Learning Management System di Indonesia," 2023. <https://doi.org/10.13140/RG.2.2.32501.35043>.
- **Nugroho, Rengga**. "Pengembangan Learning Management System Dengan Pendekatan Gamifikasi Untuk Pembelajaran Berbasis Proyek." Unpublished Undergraduate Thesis, Universitas Negeri Malang, 2023.
- **Nugroho, Rengga**, and Pradnya Kumara. "Pengalaman Belajar Mahasiswa Sarjana Teknologi Pendidikan Angkatan 2020 Universitas Negeri Malang Di Saat Pembelajaran Dalam Jaringan," January 18, 2021. [access](#)

Datasets/ Software

- **Nugroho, R. P.** "Aksara Jawa / Hanacaraka." Kaggle. Accessed December 30, 2023. <https://doi.org/10.34740/KAGGLE/DSV/3917804>.
- **Nugroho, R. P.**, and Mohammad Ubaidillah. "Universe Application Framework." Typescript. Sidoarjo: PT. Inovasi Teknologi Pembelajaran, April 2023. <https://github.com/teknologi-pendidikan/universe>.
- **Nugroho, R. P.**, Soepriyanto, Y., State University of Malang, & Teknologi Pendidikan ID. (2024). Analisis Sentimen Umpan Balik/Persepsi Pebelajar: Leveraging the use of Google NLP API for Educational Research and Evaluation (v0.1.0-internal). Zenodo. <https://doi.org/10.5281/zenodo.10639896>
- **Nugroho, R. P.**, & Ubaidillah, M. (2024). Pameran Karya Teknologi Pendidikan UM (v1.0.0). Zenodo. <https://doi.org/10.5281/zenodo.10639741>
- **Nugroho, R. P.** "Sistem Rekognisi Produk Halal Berdasarkan Sumber Data Urundaya Komunitas Muslim Berbasis Pengenalan Citra & Basis Data Kelembagaan." In Musabaqah Tilawatil Quran. Universitas Negeri Malang: Universitas Negeri Malang, 2022. <https://doi.org/10.13140/RG.2.2.30258.27847>.

Recognitions/ Awards/ Achievements

Intellectual Property Rights

- **Pameran Karya Teknologi Pendidikan** with application number ECO0202342777 [access](#)
- **Electrizian Edutainment Pembelajaran Fisika Berbasis Gamifikasi** with application number ECO0202342778 [access](#)
- **AsaurusEdu: Platform Pembuatan Media Pembelajaran Otomatis Dengan Pendekatan Karakteristik Siswa Berbasis Artificial Intelligence** with application number ECO0202156412 [access](#)

Awards

- Gold Awardee At The International E-Content Development Competition 2023 (eCONDEV 2023) Organized by The Institute of Continuing Education and Professional Studies (ICEPS), Universiti Teknologi MARA (UiTM) with product title "**Educational Technology Open Educational Resources Repository**"
- 1st place in Digital Learning Media Competition at The National Competition Edutech Festival 2022 Organized by Universitas Negeri Surabaya with the product title "**VISION: Virtual Museum for Education**"
- State University of Malang Delegation in the National Selection of Student Digital Innovation Competition (LIDM) 2023 with product title "**Electrizian Edutainment Pembelajaran Fisika Berbasis Gamifikasi**"
- Finalist of the 34th National Student Scientific Week (PIMNAS) at the University of North Sumatra in the field of Entrepreneurship with the product title "**Asaurusedu: Learning Media Innovation**"

Leaderships/ Organizational

2020 - present	Asosiasi Desainer Grafis Indonesia (ADGI)
2022 - 2023	Komunikasi UM Magazine
2021 - 2023	Students Association of Departement

Research Interest

Gamification, Online Learning, Assessment, Learning Management System, Database, Software as a Service (SaaS), Web Hosting

Statistics

Scopus: 0
Scholar: 3
WoS: 0
Dataset: 1
Software: 1

Descriptions

Every IPRs are nationally registered and copyright holder transferred to the State University of Malang

Position

Member
Journalist
Secretary

Research Profile

ORCID-ID: <https://orcid.org/0000-0002-7604-7150>

Google Scholar: <https://scholar.google.com/citations?user=ftyI1QOAAAAJ>

ResearchGate: <https://www.researchgate.net/profile/Rengga-Nugroho>

Web of Science: <https://www.webofscience.com/wos/author/record/37383095>

Social Profile

LinkedIn: <https://www.linkedin.com/in/vzrengamani>

GitHub: <https://github.com/vzrengamani>

YouTube: <https://www.youtube.com/@vzrengamani>

Instagram: <https://instagram.com/vzrengamani>

Quora: <https://www.quora.com/profile/Rengga-Prakoso-Nugroho>

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