

# Rengga Prakoso Nugroho

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https://renggaprakosonugroho.my.id

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## Education

### State University of Malang

Bachelor's degree in educational technology, 2024

Thesis Title: Development of Learning Management System with Gamification Approach for Project-Based Learning (unpublished thesis)

- Active in developing 8+ educational activities in the field of digital technology with student organizations in 2022.
- 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.

### GPA, Graduate

August 2024

GPA **3.7** / 4.0

Thesis Counsellor:

Dr. Yerry Soepriyanto

Dr. Agus Wedi

Thesis Examiner:

Dr. Citra Kurniawan

[PDDIKTI Profile](#)

## 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

### Certificators

[Pearson VUE](#)

[Pearson VUE](#)

[Dicoding Indonesia](#)

[Dicoding Indonesia](#)

[Microsoft Education](#)

[Google Cloud](#)

[IBM](#)

[Qwiklabs Google](#)

## 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

### Positions

Core System Engineer

[see contributions](#)

### 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.

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](#)

### 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

## Datasets/ Software

- **Nugroho, Rengga Prakoso.** "Aksara Jawa / Hanacaraka." Kaggle. Accessed December 30, 2023. <https://doi.org/10.34740/KAGGLE/DSV/3917804>.
- **Nugroho, Rengga Prakoso,** and Mohammad Ubaidillah. "Universe Application Framework." Typescript. Sidoarjo: PT. Inovasi Teknologi Pembelajaran, April 2023. <https://github.com/teknologi-pendidikan/universe>.

## Recognitions/ Awards/ Achievements Intellectual Property Rights

- **Pameran Karya Teknologi Pendidikan** with application number EC00202342777 [access](#)
- **Electrizian Edutainment Pembelajaran Fisika Berbasis Gamifikasi** with application number EC00202342778 [access](#)

### Descriptions

Every IPRs are Nationally Registered and copyright holder transferred to State University of Malang

## 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 EDTECH

### 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>