

Jurnal

1. Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students  
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## JISA (Jurnal Informatika dan Sains)

Journal of Informatics and Science  
e-ISSN: 2544-8494 | http://trilogi.ac.id/journal/ks/index.php/JISA  
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### Archive

ID	ISSN	SUBMIT	SEC	AUTHORS	TITLE	STATUS
1789	11-14	487		Tanuwijaya, Tjahjidi, RE	COMPARISON OF ANN BACKPROPAGATION ALGORITHM AND RANDOM FOREST REGRESSION IN PREDICTING THE NUMBER OF NEW STUDENTS	Vol 6, No 2 (2023)   jsiurnal.informadika.500

3 - 1 of 3 items

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ISSN	ADDED	HTS	URL	ARTICLE	TITLE	STATUS	DOI	ACTION
2024-12-20	5		https://trilogi.ac.id/	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-01-03	32		https://scholar.google.com/	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-01-04	3		https://scholar.google.com/	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-02-01	1		https://google.com/search?q=publications	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-05-23	1		https://www.ama.edmgr.com/	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-06-28	2		https://doi.org/	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-07-25	2		https://doi.org/10.31232/osf.io/2t789	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students	—	New	DOI   10.17977/jsi	
2024-09-28	4		http://trilogi.ac.id/journal/ks/index.php/JISA/	Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the	—	New	DOI   10.17977/jsi	

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### #1789 Summary

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#### Submission

**Author:** Padmavati Darma Tanuwijaya, Jhonatan Laurensius Tjahjidi, Yosefina Finsensia Riti  
**Title:** Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students  
**Original file:** 1789\_4279-1581000\_20231114  
**Supp. files:** None  
**Submitter:** Ms. padmavati Darma tanuwijaya (3)  
**Date submitted:** November 14, 2023 - 02:00 PM  
**Section:** Article  
**Editor:** Budi Artiana (3)  
**Abstract Views:** 0

#### Status

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**Indexed:** 2023-12-27  
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#### Submission Metadata

**Authors:**  
Name: Padmavati Darma Tanuwijaya (3)  
Affiliation: Universitas Katolik Darma Cendika  
Country: Indonesia  
Bio Statement: Program Studi Ilmu Informatika, Teknik, Universitas Katolik Darma Cendika Surabaya  
Name: Jhonatan Laurensius Tjahjidi (3)  
Affiliation: Universitas Katolik Darma Cendika  
Country: Indonesia  
Bio Statement: Program Studi Ilmu Informatika, Teknik, Universitas Katolik Darma Cendika Surabaya  
Name: Yosefina Finsensia Riti (3)  
Affiliation: Universitas Katolik Darma Cendika  
Country: Indonesia  
Bio Statement: Program Studi Ilmu Informatika, Teknik, Universitas Katolik Darma Cendika Surabaya

**Principal contact for editorial correspondence:**

#### Title and Abstract

**Title:** Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students

**Abstract:** Higher education institutions are educational units located at a higher level after high school or vocational school. Catholic University Darma Cendika Surabaya (UKDC) faces challenges in managing the admission of new students due to variations in the number of prospective students applying to each department, which is also influenced by changing trends in interests and job needs in Indonesia. The use of Artificial Neural Network with Backpropagation and Random Forest Regression algorithms for comparing the prediction of new student admissions in the following year will be beneficial for the administration of Catholic University Darma Cendika Surabaya (UKDC) to gain a clearer understanding of the dynamics of admissions and to support decision making in the future development of the university. The predicted number of students joining Catholic University Darma Cendika Surabaya (UKDC) in the 2024 period using Artificial Neural Network is 219 students with a Mean Squared Error

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p-ISSN: 2776-3234

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### #1789 Review

Submission

Author: Padmasari Darma Tanuwijaya, Pranandia Lukmanisa, Tjiptjidi, Yonafira Resnusa Ite

Title: Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students

Section: Articles

Editor: Best Arifhama

Peer Review

Round 1

Review Version	1789-4761-18-0003-2023-11-14
Released	2023-12-22
Last Modified	2023-12-22
Uploaded file	None

Editor Decision

Decision: Accept Submission 2023-12-22

Notify Editor: Editor/Author Email Record IP 2023-12-25

Editor Version: None

Author Version: None

Upload Author Version:  Choose file  No file chosen

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### #1789 Editing

Submission

Author: Padmasari Darma Tanuwijaya, Pranandia Lukmanisa, Tjiptjidi, Yonafira Resnusa Ite

Title: Comparison of ANN Backpropagation Algorithm and Random Forest Regression in Predicting the Number of New Students

Section: Articles

Editor: Best Arifhama

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA	REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit	2023-12-28	—	2023-12-28
File: 1789-4761-18-0003-2023-12-25			
2. Author Copyedit	2023-12-28	2023-12-28	—
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3. Final Copyedit	—	—	2023-12-28
File: None			

Copyedit Comments: 0No Comments

Layout

Collaboration	FILE	STATUS
1. PDF VIEW PROOF	1789-4761-18-0003-2023-12-25	0
Supplementary Files	FILE	None

Layout Comments: 0No Comments

Proofreading

REVIEW METADATA

REVIEW METADATA	REQUEST	UNDERWAY	COMPLETE
1. Author	2023-12-28	2023-12-28	—
2. Proofreader	2023-12-28	—	2023-12-28
3. Layout Editor	2023-12-28	—	2023-12-28

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