

Submission 99

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## EICSE2020 Submission 99

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Submission 99	
Title	Web-Based Student Academic Performance Evaluation System Using Data Mining
Paper:	 (Sep 19, 13:38 GMT)
Author keywords	data mining clustering academic performance
Topics	Electrical and Informatics Engineering
Abstract	This research aims to retrieve student academic performance profiles using data mining technology. The clustering process is implemented to the dataset of student academic performance of Informatics Undergraduate Program in Hasanuddin University, Indonesia, from the intake year 2008 to 2013. Using k-means algorithm with $k = 5$ , the algorithm retrieves two identical profiles. The profile 1 shows the student academic performance clusters based on GPA (Grade Point Average) and length of study while the profile 2 shows the student academic performance clusters based on GPA, length of study, and total credits earned. The SSE (Sum Square Error) formula is used to measure the variation within a cluster in each profile. The smaller the SSE, the better the similarity within a cluster. The SSE of the profile 1 (4.19628) is smaller than the SSE of the profile 2 (6.34025). This results shows that the profile 1 has better similarity within a cluster compared to the profile 2.
Submitted	Sep 19, 13:38 GMT
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**AIPCP: Receipt of Manuscript MS #AIPCP22-AR-EICSE2020-00057**

1 message

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Mon, Apr 11, 2022 at 2:04 PM

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MS ID: AIPCP22-AR-EICSE2020-00057

Title: "Web-Based Student Academic Performance Evaluation System using Data Mining"

All co-authors are included on this message in order to provide notification of this submission. The order of the authors in your submitted manuscript is as follows: Afifah Ilham, Iqra Aswad, Muhammad Niswar, Ady Wahyudi Paundu, and Nisa Mardhatillah.

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