

**PENGELOMPOKAN HASIL EVALUASI PEMBELAJARAN  
METODE HAFALAN AL QUR'AN TAWAZUN  
MENGUNAKAN METODE *K-MEANS***

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**ABSTRAK**

Metode hafalan Al Qur'an Tawazun adalah metode yang memaksimalkan penggunaan otak kanan dan otak kiri, memungkinkan seseorang dapat hafal, paham, dan *mutqin*. Setiap kategori memiliki beberapa poin penilaian sebagai tolak ukur kemampuan santri, yang digunakan untuk mengatasi tingkat kegagalan santri di setiap kategori pembelajaran metode hafalan Al Qur'an tawazun. Hasil evaluasi pembelajaran santri pesantren tahfidz Daarul Huffadz Indonesia pada tahun 2020 dirasa kurang maksimal, karena proses pembelajaran yang dijalankan bersamaan. Hal ini dapat dilihat dari selisih nilai yang cukup berbeda di setiap kategori penilaiannya. Berdasarkan permasalahan sebelumnya, dibutuhkan pengelompokan hasil evaluasi pembelajaran metode hafalan Al Qur'an. Tujuannya, agar setiap santri mendapatkan perlakuan maksimal dan memberikan kemudahan bagi lembaga, sekaligus tenaga pengajar untuk melakukan pembelajaran. Algoritma *K-Means* adalah metode *clustering* data *non-hierarchical* yang mampu mengelompokkan data yang cukup besar jumlahnya, relatif cepat, dan efisien. Penelitian ini menggunakan 401 data observasi dan 12 atribut. Dari hasil perhitungan diperoleh jumlah *cluster* optimal terletak pada 2 *cluster*, dengan nilai *Davies-Bouldin Index* (DBI) sebesar 1,439. Anggota *cluster* 1 berjumlah 26 anggota, dan anggota *cluster* 2 berjumlah 375 anggota.

**Kata Kunci:** Menghafal Al Qur'an, *K-Means Clustering*, Metode Tawazun

**GROUPING THE EVALUATION LEARNING  
METHOD OF MEMORIZATION QUR'AN TAWAZUN  
USING K-MEANS METHOD**

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**ABSTRACT**

*The method of memorizing the Qur'an Tawazun is a method that maximizes the use of the right brain and left brain, allowing a person to memorize, understand, and believe. Each category has several assessment points as a benchmark for the ability of students, which are used to overcome the level of failure of students in each category of learning the method of memorizing the Qur'an tawazun. The results of the evaluation of the learning of the tahfidz Islamic boarding school Daarul Huffadz Indonesia in 2020 were felt to be less than optimal, because the learning process was carried out simultaneously. This can be seen from the difference in scores that are quite different in each category of assessment. Based on the previous problem, it is necessary to group the results of the evaluation of learning the Qur'an memorization method. The goal is that every student gets maximum treatment and provides convenience for the institution, as well as teaching staff to carry out learning. The K-Means algorithm is a non-hierarchical data clustering method that is capable of grouping large amounts of data, relatively quickly, and efficiently. This study uses 401 observational data and 12 attributes. From the calculation results obtained the optimal number of clusters is located in 2 clusters, with a Davies-Bouldin Index (DBI) value of 1.439. There are 26 members of cluster 1, and 375 members of cluster 2.*

**Keywords:** *Memorizing the Qur'an, K-Means Clustering, Tawazun Method*