Abstract

The development of large numbers of information like news articles are available on the internet. Hence text clustering is needed by applying clasterisation as one of data mining task. Nowdays, the method of text clustering still do not really address the special problem of text clustering such as the high dimensionality of the data and very large size of the database, therefore understandability of the cluster description still difficult to understand.

One algorithm that can be applied to make the document clustering is Harmony Search Algorithm. Harmony Search algorithm is one of the evolutionary algorithm used to handle the optimization problem is to adopt a tone mengimprovisasi music instruments to produce a beautiful harmony.

Test parameters that used to measure the resulting of quality clustering is F-Measure. Resulting F-Measure value with Harmony Search Algorithm compared with F-Measure value with the K-Means.

Keyword : clustering, Harmony Search Algorithm, F-Measure, K-Means.