

## **Abstract**

Nowdays, the usage of internet as the source of information is growing rapidly. By using the internet media, user can get information from anywhere and anytime without the boundaries of time and space. Those information is kept in a place that are usually called websites. The quality and performance of the website should be a concern to make the searching process more effective so that the information that the user is getting is really the information that they need. One of the benchmark that can be used to improve the performance and quality of a certain website is to see user pattern that accessed the web using Web Mining method. In this research the web mining method that is used is clustering and using fuzzy c-means algorithm. The data log that are used originated from baa.itelkom.ac.id sites then the data is preprocessed to get the bits that are needed such as ip address, url, and user access time. The cluster that are made represent user access pattern that used the website.

**Keywords : Fuzzy c-Means, web usage mining, clustering, web log, transaction, access pattern**