

Abstract

Nama : Kansul Arsih
Major : Bachelor Degree of Informatics
Title : Design and Implementation of Log Analysis Application Using ANN Methode Adaptive Resonance Theory 2 in Predicting Behaviour of Internet Users.
(Case Study: Internet activity at Technology Institute of Telkom).

Log activity can be defined as analysis of the data collected in log transaction to find the information that we search. The results of log analysis can help us to improve the service to make user's satisfaction increase in an institution. For example, an institution can inform about anyone who has web traffic characters that tends to be same based on historical web traffic in the internet. History of web traffic can be found in the squid log file. JST-ART 2 metode can do clustering to the users who have the same characteristics that tends to visit the same site. We can calculate the clustering quality of JST-ART 2 using silhoutte coefficient metode. After calculating the clustering quality and choose a small value of the parameter alpha and rho values ??close to 1 then the result is approximately 0.956025957. Quality value is included in the range of 0.71-1 on reference table silhouette coefficient. This suggests that a strong cluster structure is found.

Keywords : log analysis, clustering, art2, silhoutte coefficient