

ABSTRACT

In the digital era, the development of technology makes people as familiar with digital information technology. However, technological developments also led to many attacks on computer networks. This study aims to facilitate network administrators in analyzing attacks on computer networks. The method used for this research is Fuzzy C-Means. This grouping aims to know what variables are often the target. This system works based on log data on IDS Snort. It is used this Fuzzy C-Means method because it is capable of clustering (with quadratic convergence level) and does not require complicated mathematical operations.

In this test the number of clusters sought as much as 3 and with the smallest error value 0.001. Resulting cluster 1 data with 204% precision calculation and 4% recall, while in cluster 2 precision calculation is 2500% and recall 8%, and cluster 3 precision calculation is 1250% and recall 92%. For the level of accuracy reached 68%

Keywords : Grouping, *Intrusion Detection System (IDS)*, *Snort*, *C-Means*