Abstrak

Intrusion Detection System (IDS) is a security system that monitors computer networks or systems for unauthorized access or malicious activity. The main purpose of an IDS is to detect and alert suspicious activity, so that appropriate action can be taken to stop or mitigate attacks. Incremental Learning uses machine learning algorithms to continuously learn and adapt to new network activities. The Incremental Learning process enables IDS to adapt to changing network conditions and to identify new or previously unknown attacks. The results of the Incremental Learning experiment using Naive Bayes and SVM on 3 different datasets show the superiority of the Naive Bayes algorithm with an average accuracy of 0.9840.

Kata kunci : intrusion detection system, incremental learning