

Abstract

Data mining implementation in *Intrusion Detection System* based on the *data mining* ability to extract the important information from large dataset. This issue correlated with so many data in *Intrusion Detection System* problem, then the hidden pattern that give the accurate information about *Intrusion* or attack can be known.

In this final project has been implemented the usage of *Hidden Markov Model* method to develop the misuse *Detection* model which is one of approaching method to develop *Intrusion Detection System*. *Hidden Markov Model* is the algorithm that implemented the classification functionality by using statistic approaching to predict member in the class. This final project inspired by the successful of *Hidden Markov Model* in speech recognition.

Keyword : Hidden Markov Model, *Intrusion Detection System*, misuse *Detection* model, *data mining*.