Abstract

Steganalysis is a science and art to detection a hidden messages from an object that is sent form the sender to the recipient. The existence of steganigraphic techniques to hide the message, it requires for detection sistem *that can analyze whether there is a messages sent has hidden information. Hidden messages that has been inserted through either an object can not be perceived by the human senses. Therefore, it needed a device or* sistem *that can be detect the existence of hidden messages. Steganalysis is an science and art to detect the hidden message from an object that sent from sender to receiver.*

In this research, it will be made a software that can detect the existence of hidden messages in an MP3 file using statistical methods. In this method used PCA (Principal Component Analysis) classification. PCA is one of technique of taking or interesting features of the data on a scale with high dimensional.

MP3 is a object that can not be removed from a human life. In addition, the concealment of messages via the MP3 file format is a format that used very well. It because of the MP3 format files do not undergo the process of compression again, cropping and so forth as the message hidden in an image.

This research is expected to be used for the parties concerned and have a need for information and confidential messages such as the Police and the State Intelligence Agency.
Keywords : Steganalysis, Steganography, Least Significant Bit, Audio, MP3.