ABSTRACT

Developments in the world of information and communication technology is increasingly sophisticated and modern, which has been the shift in the digital era. For example the exchange of information and communication today almost all the people using the internet. Internet does make it easier to exchange information and communications, but the exchange of information is done through the internet can not guarantee that the information is sent only to the concerned, it could be the theft of information. Because the Internet is a public that is accessible to anyone, anytime and anywhere. Hence the need for a technique to be able to secure information to be transmitted. Steganography is one of the techniques to secure the data by inserting data into a multimedia file without arousing suspicion.

In this final project, made steganography system using a video as a medium to hide the secret message. The message that will be inserted in the form of the message (.txt) and video that will be used is a video format (.avi) uncompressed. The methods to be used for inserting a message in the video is Enhanced Least Significant Bit. Prior to insertion in an election where the video frame to be inserted is determined based on the audio energy band frequency.

The result of this research is a system that can insert a text message into a video. For analysis of the system that has been created to analyze subjectively and objectively. Subjectively by using MOS parameters and objectively using MSE and PSNR parameter. This system has a performance good enough for getting the value of 71.0221 db PSNR and MSE smallest value is 0.0051 and MOS is 3.99778

***Keywords* : *Steganography, Discrete Wavelet Packet Transform, Enhanced Least Significant Bit* ,Video**