ABSTRACT

Along with the development of information which is increasingly increasing requires privacy, the security and confidentiality of an information message really need attention. Therefore, we need a way to insert messages that carry information into certain media covers, for example audio and video, this way one of them uses steganography.

In this final project uses a secret text message that will be input to in the video host performed by the SSB-4 and DCT methods as a determination the location of the frame where the message will be inserted. SSB-4 is a method done by changing the bit to 4 of the cover image will be replaced by the bit message reminders and bit conversions (those in bits 1,2,3 and 5). Method DCT transfer data into the sum given by the cosine wave at different frequencies. The insertion process was successfully carried out with very satisfying results.

The best parameter value is 720p video with a message inserted 233 characters, the value obtained after the process message insertion and message extraction resulted in the value of MSE = 0.048, PSNR = 61,256, BER = 0, and CER = 0

Keywords: Steganography Video, SSB-4, DCT, PSNR, CER, BER.