ABSTRACT

Secrecy of digital data has become an important things for certain data. When computation speed has become faster and faster, so that brute force attack is possible to break security of encrypted message, then encrypted message is less secure now. To prevent attack on classified message, steganography can be used. Steganography is a technique to embed a secret data upon the other data. Steganography is expected to conceal the very existing of hidden message. Steganography can be applied to video data. Steganography is measured by the quality of cover video. In this final project, implemented video steganography by using Discrete Wavelet Transform, where the secret message has the same file format. The secret data is embedded into the wavelet coefficient of video's image frame by changging it's value. Steganography technique is imlemented to Audio Video Interleave formatted file as the cover and secret video having the same formats. Experiment result that bigger capacity stego sistem can gain makes worse quality of stego video. MOS test result stego sistem have good quality, proved by MOS score is 0.78 (of maximum scale 1)

Keywords : steganography, video, discrete wavelet transform.