ABSTRACT

The development of technology is now very rapidly happening the need for access to information exchange can be done quickly. The messages contained in the information may trigger forgery of the message to be conveyed. It takes security to secure messages sent in order to avoid forgery and unknown to others. Steganography is one way to hide messages or confidential data on a digital media so that others do not know the message on the media. Steganography is the science of writing a hidden message so that others do not know the message to be conveyed, except the sender and the recipient of the media.

In this final project is done simulation and text steganography analysis on image. Steganography method used is Spread Spectrum. Results obtained from the steganography sistem with the fastest insertion time at 2 seconds and 0.2 seconds at extraction. The highest obtained PSNR reaches 86% in image 200x200 pixels with 48bit message length. In this final project also uses cryptography Caesar Cipher to better secure the message delivered. The MOS results obtained from a survey of 125 correspondents have a mean total of 4,0064 which means good stego image quality.

Keywords: Steganography, Crypthography, Image, Spread Spectrum