

ABSTRACT

On the evolution and growth of the internet that happen really fast are encourage the needs of data sharing access and information could be done properly. Throughout of it then the security and privacy of data are really important thru the growth of sharing information by digital media. To assure the security and privacy of the data its needs a system to secure the data and that would be steganography.

The method for this research is SWT, DCT , SVD as a insertion methods of data. The image host would be embedded into SVD , then using DCT to convert the time domain signal into frequency domain signal. And the result of that steganography would be analyzed with BER and PSNR.

This research uses 3 image hosts and 2 data images. After testing process with SWT, DCT and SVD as the insertion process, image host resolutions with 1024×1024 size is the best resolution among other resolutions with an average value of BER of 0.00829 and image data resolution of 256×256 is the best resolution among 5 message resolutions inserted with the acquisition of the average BER value of 0.00000940.

Keywords : *Steganography, Stationary Wavelet Transform, Discrete Cosine Transform, Singular Value Decomposition.*