

ABSTRACT

Growth of Information Technology, especially the digital information latterly experience of improvement rapidly. This improvement marked by many using and multimedia data distribution. Ease to access multimedia data causing needed a security system which can pacify the information from unconcerned sides. Various type of digital processing method for the security of various digital data types have been made available in this time.

Watermarking is one of way to protect the intellectual property of multimedia products (image/photo, audio, text, and video) by inserting information into the multimedia data. The insertion of information into multimedia data named as watermark, and watermark can be considered as digital signature or the digital cachet from valid owner for that multimedia product. Blind watermarking is one part of watermarking with its characteristic i.e. not being needed of image original at decoding process to see insertion message.

In this final assigment wiil be implemented watermarking proses to insert information in to digital video by using wavelet transformation method and at the extraction process not need original video message (Blind Watermarking). And after is done, the quality of video is not getiing decrease too significant with the result that is still can be used. From the simulations, PSNR of video watermarking can be gotten 33.22183 dB in mean, the ekstraction video has not getting significant decrease at quality althogh withaout consideration with original video. With MOS value mean of the medium after message inserted is 4,625 and the extraction message 4,658) that indication teh quality of video medium is good after has insertion, for that not easy to know its existance and messageis not have big chage it self .

Keywords : watermarking, video, discrete wavelet transform.