

ABSTRACT

Nowadays, where the development of the internet is getting faster, the information is very easy to obtain. Along with the ease of spreading the information, audio watermarking is developed in order to hide the information, generally in copyright or the ownership identity, into audio files. Among the variety of information that can be hide, mostly using text as the hidden information due to the limited payload of the algorithms is used.

In this final project watermarking is done using modification of OFDM and MPSK modulator. With the proper of jump and arch parameter, not only the payload of the watermarking system that will be higher but also retains the quality of the extracted image.

The result of this final project is an application based in matlab with watermarking scheme. With using this method, the payload of the watermarking system is about 1475 data or 11800 bit in one second and PSNR of the extracted image is about 20 dB until 35 dB.

Keyword: *Audio watermarking, OFDM, High Payload, copyright*