ABSTRACT

The rapid development of the internet has made it easier to spread digital content like images, text, video, or audio. Unfortunately, this also creates the negative side such as copyright infringement. The ease of duplicating, downloading and reuploading digital content has been a problem for many digital content creator. One of the content that is often the object of copyright infringement is audio-based content. Audio watermarking is one technique that is expected to be a solution for copyright protection on audio files.

In this final project implementation and analysis of audio watermarking is using cepstrum transform method, with black and white image as watermark and audio format (.wav).*

From the test results, system shows good resistance to LPF , resampling, linear speed change, and mp3 compression. With BER can reach 0%. But the system resistance is not very good for BPF attacks, noise addition, TSM, Equalizer, and echo.

Keywords*: audio watermarking, cepstrum transform, BER.*