

## **Abstract**

The fast growth of technology makes one can easily exchange digital data. To prevent the copyright abuse of those digital data, one of the methods is watermarking. Watermarking can be applied on many digital data. In this final project, it will be implemented audio watermarking in wav format using spread spectrum method based on wavelet, which text hiding as watermark will be spread into copyrighted audio data.

From the experiment, it shows that the quality of audio watermarked is effected by the length of the text, scale factor, and the order of wavelet filter used. But, the experiment on signal processing shows that audio watermarked, relatively, does not robust against signal processing processes such as resampling, compression, and filtering.

**Keywords:** *Watermarking, Spread Spectrum, Wavelet, Wav*