Abstact

Recently, there were many violations of text copyright in the digital media, for example the copyright of journal's paper. Natural Language Watermarking is a method to protect the author's ownership of the which is written in a specific language. For protecting the ownership a techniques based on Morphological Division and Insertion for Indonesian language is proposed. Using this technique, a watermark can be inserted by inserting word into the text if watermark insertion is needed.

Embedding watermark is done by calculating the weights of the sentence using the quadratic residue function, insertion of word and change the word in the sentence.

This final project uses Morphlogical Division and Insertion which can improve the coverage and robust again attacks such as re-watermarking, incomplete sentences, synonym substitution and word insertion.

Keyword: natural language, watermarking morphological division, insertion, transformation, quadratic residue function.