

Abstraction

Reversible watermarking algorithm is an algorithm to image insertion, where this method can restore the original image and data hiding. With the development of technology, we can easily download an image from the internet. Given this method, a copyright protection can be protected.

In this final project will be reversible watermarking process using histogram shifting method in order for original image can be inserted with the data hiding. The histogram is a graph that calculates and shows the number of pixels that exist in tone between the image of black and white tone. Expected by using this method will generate the data and the watermarked image can be extracted back.

Based on the results of tests performed, the system can insert the data hiding in the original image and re-extract the original image and data hiding.

Keywords: reversible watermarking, histogram modification.