ABSTRACT

COPYRIGHT APPLICATION FOR DIGITAL IMAGE BY USING SVD WATERMARKING TECHNIQUE (SINGULAR VALUE DECOMPOSITION)

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Developments in the digital world and other devices that digital world, has made digital data are widely used, Along with the ever-expanding multimedia network, the process of delivery and access of digital data is also increasingly easy. With the ease of this course, each person can freely exchange the information they want. However, on the other hand this brings new problems in terms of ownership for a given data such as original image or also called Copyright.

One method developed to solve the problem is digital watermarking.Watermarking is a form of steganography (a technique for hiding information on a medium without any significant change in the media) using the method of Singular Value decomposition (SVD) in the watermarking process in which this method is a technique used by correlation value of the extracted watermark

This application is tested with data type image in various sizes, as well as test results from the process of watermarking and watermark Scanning process. The test results showed that the application be better used on file with the type of image data. Jpg and. Bmp because PNSR value generated is higher than other image data types.

Keywords: watermarking, Data Images, SVD method, Extraction.