

Abstract

Digital medical image is presented the image on the inside of the human body, generated through medical technology for use in specific purposes. Digital medical images have one important thing to note is the image ownership. So that it can be applied, then one way to do that is by applying watermarking.

Watermarking is a technique used to insert some information that indicates ownership or other data to multimedia content (images, audio and video). One way that can be applied to implement the watermarking is to apply the LSB (Least Significant Bit) method at the time of watermarking. However, watermarking using LSB method makes watermarking will be weak (fragile) so that the embedded watermark will be easily lost.

One way that can be done to strengthen the watermark in the LSB watermarking method using multiple watermarking. In the process of iteration process is carried out using the method of LSB watermarking (more than once) so that the embedded watermark will be more robust.

Keywords : image, multimedia, LSB, watermarking, fragile, robust