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### **Abstract**

In the era of digital image, good editing software allows users to process digital images in an easy way. It is inevitable, which, unfortunately leads to the widespread of image forgery. Hence, an image fraud detection tool is essential to verify the authenticity of a digital image. The rapid growth of digital image manipulation has prompted writers on forensic image to reveal their authenticity. Manipulations are commonly found in image formats such as Joint Photographic Experts Group (JPEG). JPEG is the most common format supported by devices and apps. Therefore, the researchers will analyze measurement of forensic image similarity using distance function method, while image manipulation is used specially on image splicing. The results of this study show that distance function can be 2 different images.

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### Index Terms

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### Keywords

Image, Forensics, Splicing, Distance Function.