ABSTRACT

With software editing digital image, there are many irregularities of data in a digital world that has grown so rapidly. Many things injured at digital images that have been manipulated by the other, as a digital image can be used news, issue, authentic evidence in society.

The method for digital image processing of authentification is digital image forensic, a process is detecting digital image manipulate which the object is changed.

There are many parameter of values that will be used as a reference in this Final Project. Each parameter used as a reference for the three cases, there are object duplicating, object closing an combination of both. The best of Parameter value for each block color deviation for each case are 0.11, 0.06, and 0.05. To object duplicate case and object closed, automatic parameter and palette reduction values was not change. The best parameter values for second case are block color deviation 0.06 and blur level 7, and for other parameter palette reduction 10 is the best for third case for object detected. Thus robust algorithm be reliable for detecting the duplicated object.

Keyword: digital image sabotage, forensic, object duplicated, robust algorithm.