ABSTRACT

With the fast develop of communication, a system that can secure the information data is needed. From the address of a website, identity card number, even bank account. Many information that has a form of character lines can also be made into information which then reduced into another form, like a color code. In this research we perform a method to hide a ten digit of character with a coding method.

With this coding method, an image can withstand from the RGB domain into CMYK domain when it was printed. Then the result image can still be read after it has been scanned.

In this research the ten digit of character will be inserted into wavelet from the basic image that has been transformed with discrete wavelet , with color domain that has been decided on special coding rule. This code has one dimension(1D) with color domain usage, not binary domain.

From the result of the coding method with wavelet transformation basic experiment, of a printed and scanned image has an accuracy of 82.75%.

Key Word : *NIM,CMYK, wavelet, code*