

ABSTRACT

The development of information technology has a positive and negative impacts. One of the negative impact is that there are many pictures on the internet that are inappropriate to users under 18 years old. There are many ways to overcome this negative impact, one of them is by filtering the porn pictures. In this paper I try to apply pattern recognition method to detect the image that has a porn content in it. The Haar Wavelet is used to do the feature extraction from the image and the matrix from this process will be turned into one row vector as the input data for the Support Vector Machine and then classify it to porn class or non porn class. The accuracy of this system is calculated by the blocks system in an image and by the overall image. The highest accuration from blocks' image classification is 96.1%. Meanwhile the highest accuration from images classification is 82.5% by using first level on wavelet transformation.

Keyword : image, SVM, Haar Wavelet, Pornographyc