

## Abstract

Iris recognition system is considered to be one of the best biometric methods used for human identification and verification, because human iris has distinct unique patterns in every human being. In this paper the author proposes the identification of iris by using a classification algorithm, namely Learning Vector Quantization. The process of identification of the iris in this study is the initial process, feature extraction, and classification. First, segmented the iris image, removed the noise and normalized. Then extraction feature process, the algorithm used is wavelet transformation, which is method of texture analysis. Then the extraction results are classified by the Learning Vector Quantization classification method. The simulation results show the highest accuracy is 88.89%.

Keywords: human iris, biometric, wavelet, LVQ