

ABSTRACT

The iris of the eyes is the colored part of the eye that helps to see clearly and adjust the amount of lights that enter our eyes. Iris is a biometric indicator. iris can also be used as an identification to know someone who has the iris pattern. Iris has a different pattern on each person so it is possible that a person can be known from their iris pattern.

In this final project the author discuss the humas iris recognition using Convolutional Neural Network (CNN) to get the iris image and K-Nearest Neighbor (KNN) is used for iris classification and recognition.

From the result of this final project we have gott the accuracy value of iris identification is 90%. We hope that the ability of this system to identify persons just by using their iris can help making better security system.

Keywords : *Biometric, Convolution Neural Network (CNN), Iris Eye, K-Nearest Neighbor (KNN)*