Abstract

Biometric is a way to recognize somebody as physic characterize or it attitude, in real world, biometric technique is not a newest, one of biometric technique is canner for rainbow membrane (iris). Iris is internal eye organ. This membrane is ring shaped which to enclose pupil and gave a eye color, no one of iris structure are same. There are no correlation between iris pattern each other although twin. This random iris pattern are a static structure during we live until iris can be a passport or living password which are not to cause trouble to carried or remember. In this final project will build application which can indentify somebody to disobey it iris pattern. The method that used is Daubechies wavelet transformation as feature extraction and weighted Euclidean distance to recognize the pattern. In this case, there are three important way, there are pre processing image (segmentation and normalization), feature extraction, and identification of iris. In this final project, the accurate which can be reach is 92.5 % and time for identificate is 0.826 to 1.242 seconds.

Key word : *Biometric, Daubechies wavelet transformation, weighted Euclidean distance*