

ABSTRACT

The ability of the human iris can provide a sign of organ disorders based on science of iridology. Now, development of iridology not only detected manually by expert medic, but can be detected automatically using the methods of implementing artificial intelligence and implemented via desktop. In this study focused on cardiac diagnose where necessary iris left eye iris data mapped clockwise on 2:00 to 3:00.

There are several methods of feature extraction and classification, but the author prefer use the feature extraction method Principal Component Analysis (PCA) and Support Vector Machine (SVM) for the classification, which is the derivative of the ANN method. In this study, the expected results of SVM method is 100 % for training, and 80 % for testing.

Keyword: SVM, PCA, Iridologi, Diagnosa Jantung