

Abstract

Heart failure is a public health problem that many found and became one of the most dangerous diseases. The risk of this disease is very large in the elderly. This study aims to analyze a person affected by heart failure or not affected by heart failure (normal). ECG signal (ElectroKardioGram) is the data used to knowing a person's heartbeat to be studied. The ECG signal will then be decomposed using a wavelet, then it will be processed again with the Naive Bayes Method. The Naive Bayes method is used in classifying the already extracted signals into the final result determination. Predicted results from Naive bayes got 70% accuracy.

Keywords: Congestive Heart Failure Naive Bayes, EKG, wavelet