

ABSTRACT

As the development of technology and information, the gender recognition to classify the gender that men and women began to be required on some systems, such as security systems, advertising feedback system, the census of population by gender, and so forth. The digitizing gender recognition will ease in collecting gender information is based on certain parameters quickly and efficiently, without having to do the data collection manually or offline [5].

In this final project will be built a system that can recognition human gender using the object's face. Gender recognition system is capable of recognizing objects by classifying gender of male and female. The system's software work that is taking the input data in the form of face images are taken offline from the camera device. Then the system is able to perform feature extraction process using Template Matching method and classifies using Backpropagation Neural Network.

From the test results, the system is very good at doing the classification process with single hidden layer and is able to generate the level of accuracy up to 100% of the face image data 60.

Keyword : *Gender Recognition, Template Matching, face features, JST*