Abstract

Nowadays, many people want to steal something secret for a benefit or just for fun. Becouse of that, we need security technology to protect them. The most easy way to protect it's by using password. But, it has many disadvantages such as easy to be crack. An easy way to protect it's by using biometrik teknologi Biometric technologies is a way to identified by using body characteristic or by using their pshycology. In this final project will be create sofware that will be identified characteristic using fingger print. Method that will be used is wavelet tranformation to extract characteristic and neural network backpropagation to patern recognition.

Wavelet tranformation used to extract characteristic becouse can be used to recognice specifict characteristic from an image. Neural network backpropagation used to recognice pattern because neural network backpropagation is a representation of human brain that can be used to learn. Both method will be analyst to get higest accuration. Result from analysis will be used to detect an fingger print image, output from detection is a detected fingger print image.

Keywords : *Biometric, Wavelet Transformation, Neural Network Backpropagation (JST-BP).*