ABSTRACT

In everyday life people use credit cards to shop. The key can be either a password or a PIN (Personal Identification Number). Problems occurred is that someone has to take a lot of cards and have to remember a password or secret code. Password is the most basic security methods that have long been in use This method is often manipulated and there is a crack criminal offence.

It's been widely used biometric from of key members of human body. Members of the human body that is often used is the pattern of the retina, the palm of the hand, prints. Fingerprints have traits that are unique to each individual and has consistent nature. Payment system using fingerprint authentication is much safer and easier to use, without using a password or PIN to remember when compared to credit card payment system.

The test results on the design of these fingerprints show that time enrollment process takes longer than the time authentication process. System accuracy obtained i,e. 91%.

Keyword: authentication, fingerprints, biometric payment