Abstract

Nowadays technology become more advance, one of it is biometric technology. This biometric technology is a study that focuses on human physical characteristic and behavior that unique and can be used as a person recognizer. The targets are to compare between two types of biometric technology, the fingerprint with retina.

There are several ways to collect all the data needed for this thesis. The ways to collect the data are interview an expert, direct observation, and does literature review. After that all the data will be used to compare the fingerprint with retina. The comparison will start from the technical specification, hardware, advantages, disadvantages, and the algorithm.

The result is the fingerprint already unique and it can be used to recognized person very well, but the retina is more powerful and it has advantage that fingerprint does not have. With this technology to be implemented in attendance system, it really helps the company to control their employee discipline.

Biometric technology is an advance technology that can be used to identify people and also can protect the area or important information to be accessed by unauthorized person. The most accurate biometric is retina. The fingerprint already becomes common to be used nowadays. And one of application that uses the fingerprint technology is attendance system.

Keywords: Biometric, Fingerprint, Attendance System, Retinal Scan