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**STUDY IN BIOMETRIC FOR INTEGRATED SECURITY  
AND ATTENDANCE SYSTEM  
USING FACE RECOGNITION AND TRADITIONAL SECURITY  
SYSTEM**

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**Abstract**

**Objectives**

Biometrics for security and attendance system has purpose to improve the security level and efficiency of the execution process by capturing, identifying, and verifying a subjected person automatically based on their enrolled information. Moreover, this biometrics system is considered to be a promising system for future improvement. To

help people gain a better life, reduce the work load for employee, and minimize the faults. This thesis also made a prototype up to a certain module of face recognition, as an instrument to support the analysis. Meanwhile, the application of face recognition used as a tool to measure the accuracy of the proposed system.

### **Method**

In order to accomplish the research about biometric for integrated security and attendance system using face recognition and traditional system, the method used is more on to a literature study. Information from journals, news, websites, books, and articles are the sources in completing this paper and also as the information to support this thesis analysis. Other than that, the writers also prepared some interviews and surveys as another method in completing this thesis writing.

### **Results**

As the results of this paper is an improve system to enhance the traditional system, called biometric system (face recognition system) which proved as a better system to replace the traditional system.

### **Conclusion**

Although there is no real implementation of face recognition system in Indonesia, taken from a sample of implementation from other country we can conclude that the system will certainly lead the world into a more efficient and secure environment. Furthermore, the researches in other biometric system like fingerprint and iris recognition also support the conclusion of this thesis.

### **Key words:**

Biometrics, face recognition, security, attendance, immigration system

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