ABSTRACT

The high level of criminality, especially in the theft of money, encourages the manufacture of a tool called a safe. Safe is a storage place that is considered practical but has a high risk, because it allows the safe to be broken into without the knowledge of the owner.

With this in mind, a microcontroller-based circuit application security system is needed. In this study, an Android-based application system security will be made to support security in safe cabinets using the OTP method.

Based on the results of the analysis and testing that has been done, the safe system in this study can work optimally. The android application used can make iteasier for users to access the OTP code that has been sent. The OTP (One Time Password) method used in this study is suitable for use in safe cabinets at this time, so that it can add to the existing security system.

Kata Kunci: *OTP (one time password), mobile applications, ESP8266.*