

## ABSTRACT

*Increasingly, the higher the crime rate . There's always a way to become a criminal . In Bandung high crime rate that shaving is a motorcycle theft . There's always a way to break through the security system of the motorcycle . Even with double locking padlock though , is always a security system can be penetrated by thieves .*

*In this final project will be made a security system that uses the mobile phone as a security device . In principle, the technology used in the form of mobile devices as a link signal , then there is a microcontroller that will be the liaison with the security system and remote . For the link between the remote system and microcontroller uses CDMA as its channel .*

*The end result of this tool using mobile phones as a means of security in the motor control system. And connect with several important devices in the motor. This tool has the average - average delivery delay SMS notifications for 6.3 s, then disable SMS delivery delay of 5.9 s tool. With security features such as alarms generated from the motor horn and the demise of the CDI system when security is at work, then the level of reliability of the tool by 80% according to the results of the test. The success rate of the system is the tool by 90% in accordance with the design and testing of the system*

*Keywords : Microcontroller , CDMA , Cell Phones*