

## ABSTRACT

Nowdays, in this era the technology have been increased to be modern and sophisticated where it was digital technology and otomatic system. The sets of equipment which used more efficient and small, usually it is called micro technology. Indeed, some people have been develop to come nano technology. End of this day, too many report of rubbing motorcycle. It can happen to everywhere you visit like at the office, school, and indeed at your home.

In this Final Project, designer will to make Safety System in Microcontroller with Fingerprint Sensor. The microcontroller which to make is AVR ATMEGA 8535. The process of this project is you must give authentication with the Fingerprint to identify you and then if you get permit by Fingerprint, finally your motorcycle have activated to used.

In this final project have finished the design and realization system in motorcycle with use *fingerprint system*. So, the other security besides use the key for lock the handle also have an additional security by authentication by *Fingerprint*.

Key word : *Fingerprint, Microcontroler AVR ATMEGA 8535, Motorcycle*