

ABSTRACT

In the modern era-paced today's level of mobility for someone to reach a place with a short time is very important, one example of the solution is to have personal vehicles such as motorcycles, cars and even bicycles. By owning their own vehicle there are several advantages for its users, such as saving time and cost when compared to using public transport. However, for the mere advantage over just about enough because with the rapid technological developments increasingly day, then automatically the crime rate increased. For that there should be a tool that can make users feel safe if about to leave his personal vehicle in a public place.

In this final project describes the design of security systems in motor vehicles using AT89S52 mikrokontoler and AT Command set for Siemens mobile C-55 which in implemantasikan on motor.sehingga owners can find out the theft of motor if the motor vehicle was stolen. In making this tool uses several circuit components, such as sismin circuits, relays, power supply, serial communications, etc.

The principle tool made is to call the phone number owner of the vehicle caused by an input that is incompatible with systems that have been made. Then when the owner pushed the button on his phone so the engine will automatically die, so it can prevent the theft of motor vehicles. Tools that have been made requiring the delay of about 10 seconds to perform a second input, it aims to provide space on a vehicle owner to provide a second input of the switch.

Keywords: microcontroller AT89S52, motor vehicles, Siemens AT Command C-55