ABSTRACT

In general the car is owned by middle and upper class society . It is important to be able to keeping it safe from the unwanted things like theft and even negligence of the individual as a key or a remote that fell and left behind somewhere. Because look at the reality of the current system would be secure or manually using the remote key with alarm sensors still provide a gap of insecurity . Therefore , we need a security system and integrated in the vehicle better than ever .

In this final project , has realized an integrated system for a remote car features like central lock , alarm system , trunk , start engine and GPS Tracker using android application developed from previous studies at the end of the project . Changes made was to replace the hardware components so that the resulting dimensions are smaller and there is a change in the software interface and the addition of features in the application so that it can open the trunk and GPS Tracker . To synchronize between android phone and bluetooth system will be used , where information is transmitted phone bluetooth module will be accepted and will be processed in the microcontroller is mounted so that the microcontroller is exactly what will govern the system works . While on the GPS GPRS GPS module will be used in obtaining the coordinates , the module will send data to the server . Vehicle owners can access the coordinate data through the MAP application on android .

The design and realization of android application system to control the features of the car , but there is the addition of an access username and password so its a security remains a priority , as well as the anticipation as a security system in addition to a car GPS tracking are visualized in the MAP application on android .

Key words : Remot fitur, Bluetooth, Mikrokontroler, Modul GPS GPRS, MAP, Android