

## **ABSTRACT**

*Tool tailored to the needs of the community realized in modern times, especially at this time because at the time of this crime, especially theft of motor vehicles, especially cars increased rapidly, so that the existence of these tools is expected to crime, especially theft of a car can decrease the percentage. This tool has a function for detecting the occurrence of car theft, as thieves committing theft of the car then the engine will immediately detect and notify the owner of the car by making the call to the number of car owners and car owners can control his car from a distance by turning off the car.*

*With this tool it is very helpful for car owners to monitor his car from a distance, wherever the owner if the GSM network can be reached by then she will be notified through the call in case of car theft, and therefore for every car it will be facilitated by this tool as a transmitter.*

*Alarm system is controlled by a microcontroller-based control systems and mobile telephones (cellular). Microcontroller receives signals GSM (Global System for Mobile Communication) through a GSM module that is connected to the microcontroller.*

*Final results from this thesis is to produce a car alarm products that really gives a sense of security to every car owner who uses this alarm.*

***Keywords: microcontroller, global system for mobile communication (gsm), gsm module, alarm.***