

ABSTRACT

Car as a vehicle that is important to person that always doing it's activity outside the house. But, as it important, the owner of the car must protect it's car from stealing. The built in car alarm system has been implemented to protect the car from stealing. But, built in car alarm system has many limitations and weaknesses. First, the built in alarm system can only controlled by max distance approximately 10 meters. Second, the built in car alarm system can only provide audio and visual warning, but these system can't tell the owner directly if system has been triggered, especially at very far distance. Because of that, a car alarm system that can be controlled at very far distance and can tell the owner directly to smartphone if system has been triggered is needed.

Keywords: *car, car alarm system, wireless, smartphone*