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FINAL REPORT OF DIPLOMA PROJECT

CHILD ALARM DETECTOR FOR CAR APPLICATION

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“ I declare that this report entitled “ CHILD ALARM DETECTOR FOR CAR APPLICATION ” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in the candidature of any other degree.”

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ABSTRACT

A child alarm detector for car application is a technology to reduce the amount of child death because of their parent's negligence who forgot their child in the car. Besides that, it is to increase the level of safety for the passengers in the car. This project used IC ATMEGA which has been programmed by Arduino coding. For this circuit, the voltage that is used is 5V. For another input, motion detectors are combined in the circuit. There is switch is used in this circuit. The switch is functioning as a motion detector. The switch is used because there is no motion detected component in the software. When the switch is on, the LED and the buzzer will be on.

ABSTRAK

Pengesan penggera untuk kanak-kanak di kereta adalah teknologi untuk mengurangkan jumlah kematian kanak-kanak kerana kecuaiannya ibu bapa mereka yang lupa anak mereka di dalam kereta. Selain itu, ia adalah untuk meningkatkan tahap keselamatan untuk penumpang di dalam kereta. Projek ini menggunakan IC ATMEGA yang telah diprogramkan oleh pengkodan Arduino. Untuk litar ini, voltan yang digunakan adalah 5V. Untuk input lain, pengesan gerakan digabungkan dalam litar. Terdapat suis digunakan di litar ini. Suis berfungsi sebagai pengesan pergerakan. Suis ini digunakan kerana tidak ada komponen pengesan pergerakan dalam perisian. Apabila suis dihidupkan, LED dan buzzer akan berfungsi.

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