Abstract

Based on data from a survey in 2012 that 72% of road traffic accidents in Indonesia involving a motorcycle and in 2015 the level of a motorcycle accident which reached the 5036 events, or 56% of the total of 9,002 was the incidence of motor vehicle accidents in the country this survey conducted by the Forum Automotive journalists. Related to this end the project aims to create an application that can provide information and location of the accident as soon as possible when the motorcycle crashed through automatic notification to the affected families. The workings of this application is user input numbers of relatives through the Android app and can also be via message (in accordance with the format specified). Then the relatives will get a notification in the form of vibrating alarms on mobile phones, notification bar and message when the motorcycle accident. The application will identify the occurrence of accidents through gyroscope on the tool/hardware are located on a motorcycle users. And transmits the location point for an occurrence of accidents in the form of mapping that has been set into the Android device if relatives installing applications akasik motor.

Keyword   : akasik, motorcycle, application, Android, Arduino, sensor.