

Abstract

The existence of transportation is a very important need now for the community. The importance of transportation is inseparable from the mobility needs of the community. The need for high transportation is seen with the increasing number of vehicles that exist today. The increase in the number of vehicles is currently undeniably closely related to the existence of the number of accidents that occur. Based on law No.22 of 2009 concerning road traffic and transportation, a traffic accident is an unexpected and intentional road event involving a vehicle or other road user resulting in human casualties or property loss. With the importance of driving safety, a driving safety application was made on the Android Platform. With this application it is expected to help motorists in reducing the risk of accidents when driving. This application will help the driver in warning the driver about the speed of the vehicle and will inform the driver that the driver's way of driving has not been good through the feedback given when the driver completes a trip on the application. At the implementation stage, this application is built using the Java programming language, with a database used by SQLite and an IDE used by Android Studio. The results of testing from two categories of users namely general users and expert users get 71.6% general user index and 88% user experts.

Keywords: Transportation, accident, safety, Application