Abstract

Accidents often occur in large cities, such as the incidence of a hit and run or accidents medium and heavy not directly detectable, such as the location and type of vehicle by a traffic officer so that the handling of the case of an accident can be long and with such conditions it can be ascertained there will be traffic jams that disrupted travel comfort. This research aims to design a model of location detection system Google map -based traffic accidents in the city of Manado, a system built will integrate location information and vehicle data from traffic accidents through road location map. The system uses Google map technology to display the location of a traffic accident, it is the model that is used in application development interface of a GPS sensor device to a computer that is done on the media side of the management system, and the user side. The result of the application of the system built is a GPS signal when the accident occurred on a motor vehicle would send a signal to a server and displaying the location of the accident. The results of the draft provide an output display on the user side and is expected as a guide for the parties concerned to deal quickly, as well as for road users to be able to choose
an alternative path in the event of accidents resulting in traffic congestion, so that the level of congestion can be reduced.

References

2. Aries Setijadi, Road Traffic Congestion Study Kaligawe City Semarang, Semarang Diponigoro University thesis
3. Afras Sarotama, Mohammad M. Sarinato, Juniar Ganis, Development of Interactive Electronic Map, proceedings KOMMIT 2002
5. D.Setijowarno & RB Frazila, Introduction to Transportation Systems, Publisher Catholic University of Semarang Soegijapananata 2001
6. Eko Budihardjo, the City Spatial Urban, Publisher Alumni, 1997
7. HA Abbas Salim, Transportation Management, Publisher PT. King Grafindo Persada Jakarta, 1993.

Index Terms

Computer Science
Artificial Intelligence

Keywords

Traffic accident, point coordinates, Information Systems