This study is to develop a database system for the road traffic accident (RTA) by the rescue operation. In Malaysia, there are four cores involved in dealing with accident database, such as (1) hospital; (2) police; (3) fire and rescue; and (4) the civil defense. Thus, this paper aims to integrate the data from these four sources. Available data are classified hierarchically based on their sharing characteristics and integration established by identifying the integrated data from mapping to the target data. The available data is used by the head of department and staff from emergency provider which they can be viewed and query. The data integration used to enhance the cooperation between emergency providers according to accident data. The development of database uses Visual Basic Program and Microsoft Access. Hopefully the modules can assist the providers to improve their emergency service and also can be used for other research to reduce the fatalities of road traffic accident.
Futures studies are including:

The development of RTA database has resolved also the issue of existing RTA database and can be used for further analysis system. Functionality in RTA database such as the enhanced data tabulation can help the emergency providers to setup their proper database compared with the hard copies.

The next research may extend continually road accident analysis from the RTA database. Correlation between four sources of database can be made and an advanced study can be carried out. In addition, the existing of injury database has been developed to provide an injury data, and the integration with CARS can be made easier to enhance the development of RTA database.

For further study, this data is expected to be used for various link of emergency data, especially for accident and injury data, it can be analyzed by GIS using the black spot analysis and statistic accident.