ABSTRACT

Development of Android Application for Car Fault Diagnosis Based on Forward Chaining Algorithm

Emir Rasyid Marserio Marimin[1], Nur Uddin[2], Hendi Hermawan[2]

[1]Student of Department of Informatics, Universitas Pembangunan Jaya
[2]Lecturer of Department of Informatics, Universitas Pembangunan Jaya

Car damage is one of the problems that car owners don't want. Regular car maintenance is expected to cause damage to the car. However, damage may still occur. When a car suddenly breaks down, many drivers will panic. One of the reasons for this is the driver's lack of understanding of the damage. In this research, a mobile application was developed to perform early diagnosis of car damage. This application is developed based on data about car damage and a solution processed using forward channel algorithms. These data were obtained through interviews with several senior mechanics and car damage manuals. The case study in the development of this application is the engine damage of a Mercedes-Benz car.

Keywords: *Forward Chaining Algorithm, Car Fault Diagnosis, Android Application*

Libraries   : 34

Publication Years   : 2014-2020