SISTEM PENDUKUNG KEPUTUSAN MOBIL YANG TEPAT SESUAI KEBUTUHAN DENGAN METODE *SIMPLE MULTY ATTRIBUTE RATING EXPLOITING RANK* (SMARTER)

The Right Car Decision Support System As Needed With the Simple Multi-Attribute Rating Exploiting Rank (Smarter) Method

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ABSTRACT

The purpose of this study is to make it easier for buyers to make decisions for choosing a car because using a Web-based system allows everyone to access the system via a smartphone or computer and to find out how to design and develop a classification application for car selection as needed. To find out what variables are suitable to be considered in choosing a car according to your needs. The method used in this research is SMARTER (Simple Multi Attribute Rating Exploiting Rank). The parameters used in this study are 7, namely: CC or engine capacity, transmission, type of fuel, budget, number of seats, number of doors and fuel consumption. The results showed that the right car ranking according to needs was the Daihatsu Sigra, with a total score of 0.47, being in the first place and the last rank was the Toyota Fortuner, with a total score of 0.368. The conclusion of this research is the design and development of the right car decision support information system according to the needs of the SMARTER method with the criteria used include the price of the car, passenger capacity, number of door materials, engine capacity, type of fuel, fuel consumption, transmission. Using the waterfall development method. From testing using the blackbox method, the results obtained were met and as expected.

Keyword : car, website, mysql, laravel, smarter