

## **ABSTRACT**

*Along with the many means of transportation are also increasingly rampant accidents that occur. To reduce the number of accidents, the government enforces a vehicle feasibility test every 6 (six) months, by the people who own a vehicle that meets the criteria it is mandatory to carry out a proper driving test at the Ministry of Transportation. Therefore the implementation of the driving feasibility test results must be carried out in order to find out the results of the accuracy level. In this study conducted a feasibility test of motorized vehicles based on available characteristic data using the Iterative Dichotomizer 3 (ID3) Algorithm and Decision Tree as well as building a data mining design model in analyzing the test criteria as a result of the level of accuracy at the UPT Motorized Vehicle Testing at the Tasikmalaya District Transportation Office.*

*Based on the research that has been carried out from the implementation process, the results of the accuracy of the information gain algorithm for ID3 criteria produce an accuracy rate of 99.76% while the results of the accuracy calculated using the Decision Tree algorithm are 99.52%.*

*Keyword : Accuracy, Iterative Dichotomizer 3 (ID3) Algorithm, Decision Tree, Implementation*