Abstract

ECO Driving is a way of driving to save fuel. To introduce methods ECO Driving there is available applications ECO Driving Pertamina. In addition to introducing the method ECO Driving to users of motorcycles and android smartphones, application notes ECO Driving trips and provide information about traveling recording. The small number of applications users ECO Driving become one of the problems for application developers. Hence the need for testing to measure the value of usability of the application ECO Driving. In this research Usability testing to get the value of the effectiveness, efficiency and satisfaction in applications ECO Driving. The method used to obtain the value of usability is the Field Observation and Questionnaire. Testing was done 2 times.

The value of the first test which was conducted using the method Field Observation and Questionnaire generate value for application usability ECO Driving by 91.52%, with a value of 91.19% effectiveness, the efficiency of 93.63%, and 88.57% satisfaction scores. There is a function of the application is still not good on the value of the effectiveness and efficiency values. Therefore made recommendations to the function with the effectiveness and the efficiency values are still not good. Recommendation applied to application ECO Driving is then tested again. In the second test results, the value of the effectiveness, the efficiency and satisfaction scores increased by 99.29% to the value of effectiveness, then to the value of an efficiency of 99.58% and amounted to 90.02% satisfaction scores. So the value of usability of applications ECO Driving becomes 96.33%. Based on test results, the value of usability not be one cause of at least ECO Driving application users.

Keywords: ECO Driving, ECO Driving Applications, Usability, Questionnaire, Field Observation.