

ABSTRACT

Comparative Study of Operational Vehicle Cost Between Departemen Pekerjaan Umum 2005 Method and Pacific Consultant International Method

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A comparative study of vehicle operating costs (BOK) by the Department of Public Works in 2005 and the Pacific Consultant international (PCI) method was conducted to find out how much vehicle operating costs are spend per kilometer, and what factors affected the value of vehicle operating costs. The case study location is on the Jakarta-Merak toll road with the starting point of the Alam Sutera toll gate to the Sedyatmo toll exit, and using a sample of the vehicle test is Toyota Sienta . The research method used is direct observation to the location. After the required data has been obtained then the data will be processed and analyzed. Based on the analysis results of both of method, speed is the main factor affecting the value of operating costs. For the Departemen Pekerjaan umum 2005 method, the lowest cost is 50 km / hour at Rp. 1,591 / km and the highest cost is at a speed of 15 km / hour of Rp. 2,051, - / km. The Pacific Consultant International (PCI) method that uses running speed as a variable speed has vehicle operating cost value of Rp. 1,696 / km at an average travel speed of 32.30 km / hour.

Keywords: *Vehicle Operating Cost, Speed, Distance*

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