JAYAPURA TRAFFIC ACCIDENTS RATE BASED ON ROAD STATUS ANALYSIS

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Abstract

Jayapura as the capital city of Papua, consists of four districts; North Jayapura, South Jayapura, Abepura, and Muara Tami. The main roads which connect these four districts are still few. Hence, there is still a big chance to develop the available roads.

The purposes of this final project are to calculate the number of accidents, to know the characteristic of accidents in term of victims' level of injury and the comparison of accidents rate among the districts in Jayapura. As an additional information, the economical value caused by the accidents based on victims' level of injury is calculated by using The Gross Output (Human Capital) Method.

From the results of calculations for roads that have the highest accident rate in 2007 for deaths is 3.62 on the road 4/1 UD in north Jayapura. Whereas the highest accident rate in 200i for deaths is 1.58 on the road 2/2 UD in north Jayapura. Based on the result using The Gross Output (Human Capital) Method, the economical value in 2007 is Rp 15,538,021,448 per annum for deaths. While in 2008, the economical value is Rp. 14,038,421,670 per annum for deaths.

This value can be used to calculate the loss of productivity caused by the death victims of the accidents on the roads.

Keywords : Roads accidents, Gross Output, Jayapura.