

Road accident cost in Indonesia

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20300117&lokasi=lokal>

Abstrak

The traffic accident rate in Indonesia is still considerably high, as reported by the national police with around 60 accident casualties daily of these casualties, 24 of them are dead. This figure is relatively high at the ASEAN level where there are about 112 people died everyday because of traffic accidents. The objective of the study is to provide an initial estimation of the traffic accident loss and to use that estimation to assess the economic impacts of that event. Since the data used in the estimation are nationwide, then the final output of the study will be in the form of the accident loss in term of GDP proportion. Using the some calculation method, a forecast of the total national accident cost for the next five years was made. The method to calculate the road accident cost covers four components: property damage, administrative cost, medical cost, and lost output. There are two important data needed in this method: aggregate accident data, and unit cost data for each component. Using these two types of data, the aggregate cost can be estimated, and at the same time, the total of certain types of cost. Using the 2002 Indonesia nominal GDP of 1.42 trillion rupiahs, the total accident costs in Indonesia was estimated around 0.47% of GDP for Police Department reported data and 1.46% for the Health Department data. These figure is relatively high compared with, for example, Singapore that has figure of 0,46% of its GDP.. For the next five years, the total amount accident cost which is saved by the action plan approximately about Rp 10 trillion. This estimation still has under reporting problems for number of casualties and property damage, and under valued problem for the estimation of accidents unit cost.