ASSESSMENT TO ROAD PRESERVATION FUND ON C CLASS MINING TRUCKS 
(SIMPANG PLTA-PASIR LAWEH THIRD CLASS ROAD IN PADANG PARIAMAN)

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ABSTRACT

Simpang road damage of PLTA-Pasir Laweh (km 0 +000 - 2 +800) allegedly caused by the load of mining truck materials exceeds the Heaviest Axle Load (MST) allowed. Limitations of road maintenance cost faced by Padang Pariaman Public Works Department conduces they could no longer bear the overall cost of maintaining roads in Kabupaten Padang Pariaman on each annual budget. The purpose of this study is to analyze the amount of preservation fund that is charged to mining truck materials users of group C on each axle.

In this research, a survey of road damage, vehicle type, average daily traffic, trucks load weight calculated manually by measuring the volume of tanks in the trucks. Total sample for T.1.2L truck are 167, T.1.2H truck are 39, and T.1.22 truck are 35. The volume then multiplied by the volume weight of the load.

The fees charged to users of the road is the road damage costs toward construction and maintenance costs projected over the next 10 years, with traffic growth rate of 4%.

The results showed that road preservation fund that is charged to road users on each axle of vehicles on construction and maintenance costs during the 10 years planned life with the assumption that 60% of the damage factor cost for truck type T.1.2L = Rp. 560; T.1.2H = Rp. 8.715 and T.1.22 = Rp. 13.838. Construction and maintenance costs over the planned life are Rp. 3.471.412.849 and road preservation fund that is charged to road users during the planned life which is collected are Rp. 4.213.149.861. Meanwhile, road preservation fund that is charged to road users on each axle of vehicles towards the construction and maintenance cost during the 10 years planned life and the road improvements by the end of the planned life is for truck type T.1.2L = Rp. 1.336; T.1.2H = Rp. 20.786 and T.1.22 = Rp. 33.005. Costs increased at the end of the planned life is Rp. 8.279.439.738 and road preservation fund that is charged to road users during the planned life collected Rp. 10.048.508.173.

Key words: Padang Pariaman, Vehicle Axle Weight, Mining Group C, Third Class Road, Preservation Fund Analysis
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