

THE THICKNESS DESIGN OF RIGID PAVEMENT

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ABSTRACT

Sungai Linau - Bandar Jaya streets is the access used by the local community to distribute plantation products and as a means of connecting between Sungai Linau Village towards Bandar Jaya Village. Besides, this road is also used by commercial cargo vehicles owned by Limited Liability Company (PT), which has palm plantations to distribute their plantation product to areas outside of Siak Kecil. Due to charge commercial vehicles owned by PT which has tonnage loads up to 8 tons, the road which just a base is damaged so difficult to pass by a commercial cargo vehicle and the surrounding community.

The purposes of this design are to calculate the thicness of rigid pavement by using Pd T - 14-2003 and road pavement design manual 2017 method and calculate the estimate of engineering (EE).

The result of calculation indicated that as thick as 48 cm and as big as is Rp.14,838,910,000.00 by using Pd T -14-2003 method, if using the road pavement design manual 2017 resulting as thick as 62,5 cm whith Rp.16,679,580,000.00 for cost of design.

Keywords: Pavement thickness, Pd T-14-2003 and MDPJ 2017, Budget.

