

**DESIGN OF SULTAN SYARIF KASIM ROAD FROM
TANJUNG KAPAL VILLAGE TO DARUL AMAN VILLAGE
AT KM 7 – KM 9 USING PDT METHOD NO 14 OF 2003**

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ABSTRACT

Roads are the primary mean of transportation to reach a destination from one place to another especially for the residents of Tanjung Kapal Village – Darul Aman. The existing condition of Sultan Syarif Kasim Road, which is the research location, consist of class B aggregate as the subbase with a width of 6 meters, which is damaged, at 250 m long, the road is flooded when the high tide reaches 50 cm.

In the planning of the construction of rigid pavement on Sultan Syarif Kasim Road in Tanjung Kapal Village – Darul Aman Village, Bengkalis Regency the PDT method No.14-2003 is still used compared to other methods. Therefore, the author reviews, designs, and plans Sultan Syarif Kasim Road in Tanjung Kapal Village to obtain the desired pavement thickness and the required budget plan.

After calculating the thickness of the rigid pavement using the PDT method No.14 – 2003, the result obtained is 200 mm or 20 cm. With the result, the flooded location will no longer experience flooding due to tidal fluctuations. The total budget required for the plan is Rp 18,913,760,000.00.

Keywords: Rigid Pavement, PDT No. 14 of 2003, Road