

**COMPARISON OF THICKNESS PLANNING OF RIGID
PAVEMENT USING BINA MARGA 2003 METHOD (Pd T-14-
2003) WITH BINA MARGA 2017 (PAVEMENT DESIGN
MANUAL SEPTEMBER REVISION)
(CASE STUDY OF SUBRANTAS STREET, SUKARDJO MESIM
VILLAGE OF BENGKALIS DISTRICTS)**

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Abstract

At this time a lot thick planning of rigid pavement using Bina Marga 2003 method, where the Bina Marga commonly used by planners is plotting the rigid pavement thickness. On the street Subrantas pavement planning using the old. The current road conditions are not suitable for traffic acces. With current conditions, the Bengkalis regency government is trying to improve the road by re-planning it into a shaft road, where this road is access to the tourist of Rupert Island, namely Ketapang beach and Tanjung Lapin area the value will grow. For thick pavement planning rules, there is the latest clan development. So, the author wants to plan the thickness of the pavement using the Bina Marga 2003 with the Bina Marga 2017. Where the results will be compared between the two methods. The planning of rigid pavement with CBR 3 % and the CBR of effective 20% by the concrete quality K-250 based on Bina Marga 2003 method The result showed that as thick as 17 cm with longitudinal reinforcement is used 8 mm in diameter spacing 25 cm, and transverse reinforcement is used 8 mm in diameter, spacing 25 cm with budget plan 9,702,030,000.00. While to Bina Marga 2017 in get thickness 17 cm with longitudinal reinforcement is used 8 mm in diameter, spacing 25 cm and transverse reinforcement is used 8 mm in diameter, spacing 25 cm with budget plan Rp. 10,392,470,000.00.

Key Word : Rigid Pavement, Bina Marga 2003, Bina Marga 2017