ABSTRACT

Construction of new roads is a very important effort to improve the smoothness of traffic of Brangkal to Badung or from otherwise. The purpose of Brangkal - Badung road planning is to improve the comfort and safety of road users especially the leading tourism attractions Pacet.

This road planning aims to find thick layers of road pavement, drainage channel dimensions, geometric planning, calculate the cost of the required budget plan. The methods used in the planning of the road include the calculation of pavement layer thickness by using Method Kapasitas Jalan Inonesia (MKJI) 1997, drainage planning using SNI 03-3424-1994, planning of road geometric using Metode Bina Marga, and budget cost using by HSPK Mojokerto Regency.
From the calculation results obtained for a single-lane width of 4.5 m with a 2-lane 2-way undivided (2/2 UD). And construction of a 7.5 cm thick layer of pavement LASTON (MS 744), 20 cm Stone Broke Class B (CBR 80%), 15 cm Sirtu Class C (CBR 30%). For the dimensions channel edge (drainage) using follow of river rocks. Budget plan for this Brangkal-Badung road planning is Rp. fourteen billion five hundred and thirty-nine million eight hundred and sevent-eight thousand dollars.

Key words: road pavement, drainage, geometric