

ABSTRAK

Nilai CBR merupakan nilai yang menunjukkan kualitas tanah dasar dibandingkan dengan standar material berupa batu pecah yang memiliki nilai CBR 100% saat menopang beban jalan. Semakin tinggi nilai CBR, maka kondisi tanah dasar semakin baik. Jika tanah asal memiliki daya dukung CBR dengan kerapatan rendah, peraturan lalu lintas akan mudah dilakukan. Pada penelitian ini, metode pengujian lapangan dilakukan dengan metode zig-zag yaitu di kiri dan kanan pada saat pengujian lapangan. Ruas jalan yang ditinjau dengan mengambil 14 titik pengujian. Setiap segmen diberi jarak 25 meter sepanjang 425 meter untuk tata letak alat DCP. Hasil pengujian menunjukkan nilai-nilai CBR dari uji STA 93+550 – STA 106+575 untuk mendapatkan nilai DDT adalah sebagai berikut : CBR rata-rata 3.65% CBR maks 5.88% CBR min 1.46% Secara analitis CBR Segmen di dapat CBR segmen 2.27% Nilai Daya Dukung Tanah 3.23% Berdasarkan hasil nilai standar persyaratan CBR yang telah ditetapkan sebesar 6%. Nilai CBR lapangan yang di dapat belum memenuhi standar.

Kata Kunci: Daya dukung tanah, DCP, CBR

ABSTRACT

The CBR value is a value that indicates the quality of the basic soil compared to the standard material in the form of crushed stone which has a CBR value of 100% when supporting road loads. The higher the CBR value, the better the basic soil condition. If the soil of origin has a low density CBR carrying capacity, traffic rules will be easy to do. In this study, the field testing method was carried out with the zigzag method, namely on the left and right during field testing. Road sections were reviewed by taking 14 testing points. Each segment is spaced 25 meters along 425 meters for the DCP tool layout. The test results show the CBR values from the STA 93+550 – STA 106+575 test to obtain DDT values are as follows: Average CBR 3.65% CBR max 5.88% CBR min 1.46% Analytically CBR Segment in CBR segment 2.27% Soil Carrying Capacity Value 3.23% Based on the results of the standard value of CBR requirements that have been set at 6%. The field CBR value obtained has not met the standard.

Keywords: Soil carrying capacity, DCP, CBR