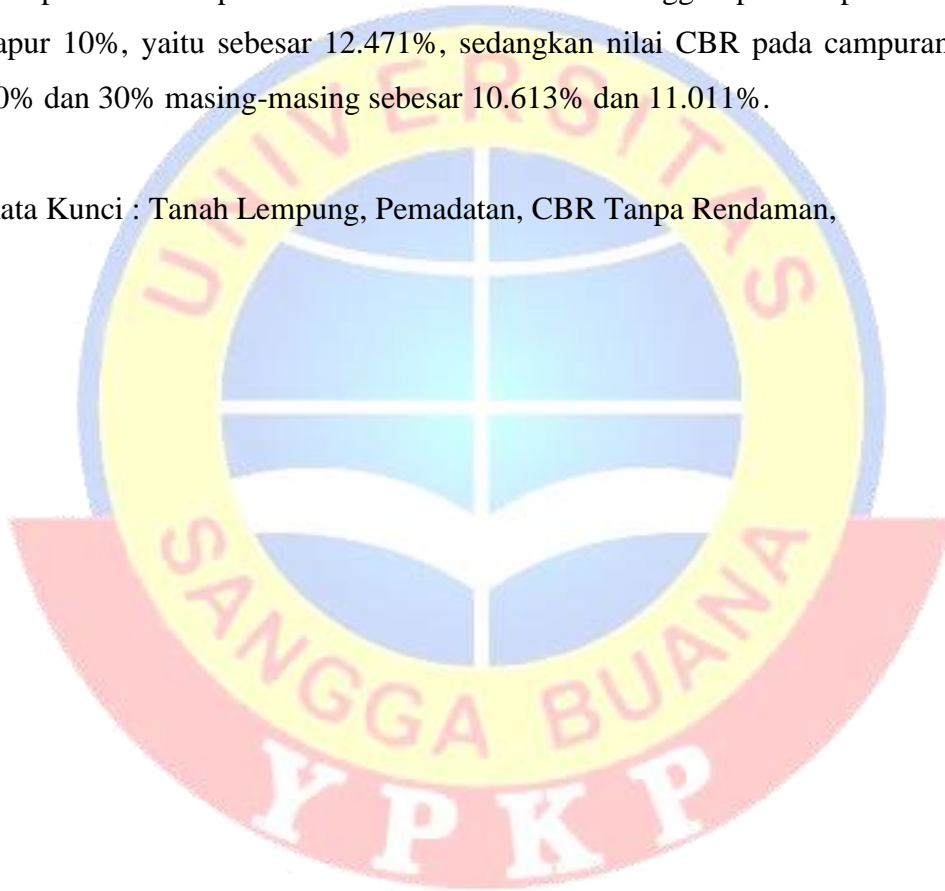


ABSTRAK

Penelitian ini bertujuan untuk menganalisis stabilisasi tanah lempung dengan menggunakan campuran kapur alam terhadap nilai uji pemadatan dan nilai CBR tanpa rendaman. Metodologi penelitian meliputi pengumpulan data primer dan sekunder, serta analisis data menggunakan berbagai uji laboratorium seperti uji kadar air, uji pemadatan, dan uji CBR. Hasil penelitian menunjukkan bahwa penambahan kapur alam pada tanah lempung meningkatkan nilai CBR dan memperbaiki sifat pemadatan tanah. Nilai CBR tertinggi diperoleh pada campuran kapur 10%, yaitu sebesar 12.471%, sedangkan nilai CBR pada campuran kapur 20% dan 30% masing-masing sebesar 10.613% dan 11.011%.

Kata Kunci : Tanah Lempung, Pemadatan, CBR Tanpa Rendaman,



ABSTRACT

This study aims to analyze the stabilization of clay soil using a mixture of natural lime on the compaction test value and CBR value without soaking. The research methodology includes primary and secondary data collection, as well as data analysis using various laboratory tests such as water content tests, compaction tests, and CBR tests. The results showed that the addition of natural lime to clay soil increased the CBR value and improved soil compaction properties. The highest CBR value was obtained in a 10% lime mixture, which was 12.471%, while the CBR values in 20% and 30% lime mixtures were 10.613% and 11.011%, respectively.

Keywords : Clay Soil, Compaction, Unsoaked CBR

