

ABSTRAK

S. SITTI ARDIYANTI, 91711410141087. *“Analisis Karakteristik Agregat Sungai Masamba Untuk Urugan Pilihan “*. Dosen Pembimbing I Bleiser Tanari, ST.,MT dan Dosen Pembimbing II Pujiono, ST.,M.Sc

Jalan merupakan salah satu prasarana transportasi darat yang diperuntukan bagi lalu lintas perlu dibangun dengan sebaik mungkin. Jalan dengan kualitas baik dipengaruhi beberapa faktor salah satunya menggunakan timbunan/ urugan pilihan yang memenuhi standar. Agregat sungai masamba selama ini telah digunakanwarga untuk bahan konstruksi baik gedung ataupun jalan namunbelum ada penelitian yang bisa membuktikan bahwa agregat sungai tersebut layak digunakan untuk timbunan jalan seperti urugan pilihan. Tujuan penelitian ini adalah yaitu untuk mengetahui karakteristik agregat yang berada di sungai Desa Masamba serta mengetahui kelayakan agregat sungai Desa Masamba untuk urugan pilihan. Pengambilan sampel agregat dilakukan di sungai Desa Masamba dan penelitian sampel agregat dilakukan di Laboratorium Teknik Universitas Sintuwu Maroso. Karakteristik agregat sungai Desa Masamba memiliki warna kuning kecoklatan yang tergolong agregat berbutir kasar yang terlihat dari hasil Analisa Saringan. Dari hasil penelitian bahwa agregat Desa sungai Masamba dapat digunakan sebagai urugan pilihan karena memenuhi syarat CBR sebesar 10 % atau lebih menurut SNI 03-1744-1989.

Kata Kunci : Agregat sungai Masamba, CBR Laboratorium, Urugan Pilihan



ABSTRACT

S. SITTI ARDIYANTI. 91711410141087. *The Analysis of Masamba River Aggregate Characteristics for Selected Backfill.* Supervised by Bleiser Tanari and Pujiono.

Roads, one of the land transportation infrastructure intended for traffic, need to be built as well as possible. Roads with good quality are influenced by several factors, one of which is the use of selected embankments/fills that meet the standards. So far, the community has used the Masamba river aggregate for construction materials for both buildings and roads, but there has been no research that can prove that the river aggregate is suitable for use for road embankments such as selected fill. The objective of this research is to determine the characteristics of the aggregate in the Masamba Village river and to determine the feasibility of the Masamba Village river aggregate for selected fill. Aggregate sampling is carried out in the Masamba Village river and research on aggregate samples is carried out at the Sintuwu Maroso University Technical Laboratory. The characteristics of the river aggregate in Masamba Village have a brownish yellow color which is classified as coarse-grained aggregate as seen from the results of the Sieve Analysis. From the results of the research that the aggregate of Sungai Masamba Village can be used as an alternative fill because it meets the CBR requirements of 10% or more according to SNI 03-1744-1989.

Keywords: River, Masamba River, Aggregate, CBR Laboratory