

## **ABSTRAK**

Dengan kurangnya inovasi untuk pemanfaatan kapur dalam campuran aspal maka penggunaan kapur sebagai bahan pengisi diharapkan dapat meningkatkan nilai karakteristik campuran. Penelitian ini bertujuan untuk mengetahui karakteristik campuran lapis aspal beton (laston) serta mengevaluasi hasil campuran terhadap persyaratan Spesifikasi Umum Bina Marga 2018. Campuran lapis aspal beton (Laston) di uji menggunakan metode pengujian Marshall Test. Dari hasil pengujian mendapatkan nilai parameter karakteristik sebagai berikut: Stabilitas, Flow, Bulk Density, dan Marshall Quotient. Dari penggunaan filler kapur dengan kadar aspal 5%, 5,5%, dan 6%. Nilai Stabilitas dan Flow dengan persentase filler 0%, 25%, 50%, 75%, dan 100% mengalami penurunan, tetapi tetap masuk dalam Spesifikasi Bina Marga 2018. Semakin banyak nilai persentase kadar kapur, maka nilai Stabilitas dan Flow akan menurun. Nilai tertinggi pada nilai Stabilitas yaitu kadar aspal 6% sebesar 1.344,96kg, dan nilai tertinggi pada nilai Flow yaitu pada kadar aspal 6% sebesar 3,34 mm.

**Kata kunci : Campuran AC-BC Kapur, KAO, Parameter Marshall**

## ABSTRACT

*With lack of innovation for the use of lime in asphalt mixtures using lime as a filler is expected to increase the characteristic value of the mixture. This study aims to determine the characteristics of the asphalt concrete mix (laston) and evaluate the results of the mixture against the requirements of the 2018 General Highways Specifications. The asphalt concrete layer mixture (Laston) was tested using the Marshall Test method. From the test results obtained characteristic parameter values as follows: Stability, Flow, Bulk Density, and Marshall Quotient. From using lime filler with asphalt content of 5%, 5.5%, and 6%. The Stability and Flow values with filler percentages of 0%, 25%, 50%, 75%, and 100% have decreased, but are still included in the 2018 Highways Specifications. The higher the percentage value of lime content, the Stability and Flow values will decrease. The highest value for the Stability value is 6% asphalt content of 1,344.96 kg, and the highest value for the Flow value is 6% asphalt content of 3.34 mm.*

**Key words : AC-BC Lime mixture, KAO, Marshall parameter**