

**STUDY ON SERUYAN SAND UTILIZATION SERUYAN  
REGENCY PROVINCE OF CENTRAL KALIMANTAN, AS  
FINE AGREGAT OF CONCRETE ASPHALT AC WC**

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**ABSTRACT**

Seruyan District as one of the new districts in the province of Central Kalimantan. Pavement structure that is prevalent in Central Kalimantan Seruyan District is flexible pavements. In many aspects of flexible pavement structure should be reviewed, one of which is material. Materials are often imported from other areas. This is certainly not advantageous in terms of cost. this study was to examine the use of local materials as pavement materials one of which is natural sand Seruyan. will be utilized to study the fine aggregate mixture Laston As Aus Asphalt Concrete Layer - Wearing Course (AC-WC).

The purpose of this study was to determine the nature and characteristics of the AC-Wearing Course mix if using Seruyan natural sand as fine aggregate, which is devoted to the stability properties and characteristics / parameters of the Marshall test. The method used is a Marshall test method, where experiments were conducted using a variation of sand

The results of the study showed that the sand Seruyan marshall can be used as a mixture of asphalt concrete AC WC with a combination of aggregate results is 6% for fine aggregate sand fraction Seruyan, 65.80% for Coarse aggregate fraction, 22.20% for the fraction of Abu Stone, and 6 % of filler fraction on the optimum bitumen content 5.27% by value (stability, flow; VIM, VMA, VFA, MQ) meet the standards of Highways.

***Keyword : Seruyan Sand , Concrete Asphalt, Marshal.***