COMPARATIVE ANALYSIS METHOD USING THE ASPHALT INSTITUTE AND METHOD FOR COMPONENT ANALYSIS OF THE VALUE OF A BOLD DESIGN ROAD FLEXIBLE PAVEMENT ARIF RAHMAN HAKIM, DEPOK.

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Key Words: COMPARATIVE, ANALYSIS, COMPONENT ABSTRACT:

Planning stages on road projects play an important role. Planning pavement layers must consider economic factors, environmental conditions, subgrade properties, traffic loading, the function of roads and other factors. Determining the value of flexible pavement design thickness can be calculated using several methods including the CBR method, the method of AASHTO, Asphalt Institute method, the method of component analysis, etc.. Asphalt Institute and the chosen method of component analysis method in the design of flexible road pavement thickness Flyover Arif Rahman Hakim, Depok, because this method provides a better capability in terms of traffic, material and environmental conditions of the area and managed to combine mechanical methods and empirical theory in the procedure Asphalt Institute design method and the component analysis method is felt quite widely used for pavement thickness design of roads such as the condition in Indonesia.. From the calculation of pavement thickness is obtained different values of pavement thickness on each of the methods used. This is caused by the differences in traffic data analysis of each method used for calculations, the determination result from the graph of each method, and regional factors determining local rates. Determination of the method used as selection based on the same data parameters such as cost. The method is considered to be economical and efficient method of component with a detailed analysis of the total cost of Rp. 6,018,894,000 and has the most thin thickness of pavement. iv.