Abstract

Based on the history of the states that begin the road is due to increasing human activities that have a desire to meet the needs live it. From condition of the trail to have evolved through the process of improving the production quality of the opening of new roads and the upgrading of roads to increase road. Population growth is high at a growth of traffic on a road, it is planned the construction of pavement layers based methods that exist.

In selection methods to be used for planning road construction, all necessary knowledge and expertise on all things associated with the planning thick layer. To pavement layer thick-layer flexible pavement on the road Lamongan - Tripe STA 40 +000 - 43 +000, the author will compare calculations using the two methods is Component Analysis Method (method of Bina Marga '87) and method in order to get the '86 AASHTO values of pavement layers in terms of
utilization and efficiency in funding in order to reach the target planning.

From the planning of road pavement is used, the obtained thickness of the pavement in accordance with a design life of 10 years from 2013 until the end of the year design life 2023. To tripe direction by using the method of Bina Marga '87 get to 10 m thick surface layer, a thick foundation of 25 cm and 22 cm thick below the foundation, to direction by the method of Bina Marga Lamongan '87 get to 10 cm thick surface layer, above 25 cm thick foundation and the foundation under the 21 cm thick. While if use the method to the direction tripe AASHTO'86 get to 10.5 cm thick surface layer, a thick foundation of 32 cm and 28 cm thick below the foundation, to the direction Lamongan AASHTO'86 obtained by the method of the surface layer 10.5 thick, thick foundation upon 30 cm and 28 cm thick under the foundation. Budget plan for flexible planning thick layers using the method of Bina Marga '87 is Rp. 10,234,843,990.00 (ten billion, two hundred thirty-four million eight hundred and forty-three thousand nine hundred ninety dollars), while cost of planning for the budget plan a thick layer of flexible pavement used method AASHTO '86 amounted Rp.11,871,197,910,00 (eleven billion, eight hundred and seventy-one million one hundred ninety-seven thousand nine hundred and ten dollars).