

**EVALUATION OF THICK AND DENSITY PAVEMENT ROAD
AT MATARAM - GAS STREET TEGAL CITY**

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ABSTRACT

Intention of this research is to specify do street of Mataram-Gas have fulfilled best quality condition system at phase of pascacconstruction and also possibility damage if do not fulfill phase best quality system of pascacconstruction.

Thick and density pavement research from core drill data in obtained field from Dinas Pekerjaan Umum Of Tegal City done by using statistical estimation method that is establish minimum and maximum value with boundary of specification which is determining and with convidence level 95% and 99% at Mataram - Gas street with length of road 321 m. This research was done with searching daily traffic of mean (LHR) from data of LHR perception during two days. Thick pavement analysis of Bina Marga method and the LHR analysis that is compare the prediction LHR with the result of perception LHR..

Result of this research concluted that the data of sampel result of core drill in field for thick condition 10 cm and density condition 2,283 gr/cc of the paving road within measure boundary minimum and maximum value that is to be thicked of specification 9,8 cm and 10,2 cm, its density 2,2722 gr/cc and 2,294 gr/cc, with convidence level 95% is thick 9,934 cm and 10,066 cm, its density 2,279 gr/cc and 2,285 gr/cc so also with convidence level 99% obtained value 9,913 cm and 10,078 cm, for its density 2,278 gr/cc and 2,286 gr/cc, so that the road still in best quality condition system of pascacconstruction. Pursuant to calculation of thick analysis pavement of Bina Marga method that the road can stay for age plan 10 years thickly 10 cm. The result LHR analysis got difference that is increase LHR estimated could damage of pavement road before reaching age plan 10 years.

Keywords : Statistical Estimation, Daily Traffic of Mean, Core Drill.