

## ABSTRACT

Almost every year the government always issued no small cost to do the construction, improvement, and maintenance of road segments throughout Indonesia both on national roads, provincial roads and district/city roads, due to early failure on these roads. So do the roads in the province of Banten which generally occurs early damage that should not have happened considering the age of the plan has not been achieved.

This study is intended to analyze the level of implementation of quality standards if it is in accordance with the technical specifications and analyze what is the most dominant variable in determining the quality of road works by using Principal Component Analysis method is based on the observation of the opinion of the respondents by distributing questionnaires related to the field of road construction work the road Serang-Pandeglang. The questionnaires contains 22 questions out of 5 variables: human resources, materials, equipment, methods of implementation, and testing. Respondents were asked to state the response by selecting one of the answers to the content of the questions in five different categories of answers and measured using a Likert scale.

Analysis shows that of the 22 questions, there is one question on the questionnaire items declared invalid and should be discarded. After a descriptive analysis, it is stated that only 60% of respondents stated that the contractor assesment almost always perform up to be performed on the statement of the indicators in each variable. This indicates that both implementers and supervisors did not consistently implement the application of quality standards that do not conform to the technical specifications. Based on results of factor analysis using Principal Component Analysis obtained three factors that really affect the application of quality standards for road works. Seen these factors directly related to the quality of road works such as asphalt mix test results to find the value of stability, void, asphalt content, flow, density; perform calibration of all equipment, mix design, and readiness tool; perform final compaction of not less then 2 tracks. Those factors which according to the most dominant respondents to determine the quality of road works.

Keywords: quality standards, technical specifications