ABSTRACT

Traditional contract system for the maintenance of national roads has several problems, especially on its quality of construction and maintenance. One solution used by the government to overcome the problems is by shifting from the traditional procurement system to Performance Based Contract (PBC) system. The objective of the study was to analyze the risk on the road improvement project using Performance Based Contracting. Survey and questionnaires to the respondents were used to obtain the most important risk variables. Respondents in this study were the service users and the service providers on PBC road improvement project. Object of this research was the PBC road improvement projects in the region of BBPJN V Surabaya. Risk variables are analyzed with descriptive statistical analysis, and then to get the level of risk was determined using the Probability Impact Grid.

The most important risks in the implementation of PBC on national road improvement in the planning stages was unclear project owner's, in the procurement stage was the involvement of local authorities, in the construction phase was the inadequate budget, and in the maintenance phase was the vehicles excess load.

Keywords: Performance Based Contract (PBC), road improvement, risk, in the region of BBPJN V Surabaya