RISK ANALYSIS AT PASAR KEMBANG FLY OVER PROJECT
SURABAYA

Name of Student : Bernardus Bayu Baskoro
Registration Number : 3106 100 131
Department : Teknik Sipil FTSP-ITS
Supervisor : Cahyono Bintang ST., MT.
M. Arif Rohman, ST., MSc

ABSTRACT

The Risk is one thing that can not be separated in our daily lives even in the implementation of the construction project. The Pasar Kembang Fly-Over Project has reached 20% of its progress. Some risks have been going through its progress, including the project delay due to land disputes and traffic. A Risk Management Approach is needed to identify and controlling some of the risks which may happen in the future. One of the most important part of risk management is the risk analysis which aimed to determine the significant risks of the project. In this study, a risk analysis had be conducted in Pasar Kembang Fly-Over Project.

First stage is identification which is the stage for collecting the relevant risk variables of the project. It was started with study of literature and followed by performing a preliminary survey to respondents. While, the risk analysis is the process of finding some significant risks in terms of time and cost. The Risk analysis was applied to the results of the previous major survey. The method used was Severity Index and Probability-Impact Matrix. The risk response was obtained by conducting structured interviews to the respondents who handle the development of Pasar Kembang Fly-Over Project.

The risk analysis revealed that there are 5 risk variables that significantly associated with time, ie: the damage of the equipment, the traffic, the environmental damage around, the drilling constraints, and the noises. While there are 6 variables that significantly associated with cost, ie: the environmental damage around, the damage of the equipment, the delay of materials delivery, the damage of hotmix material on delivery, the damage of material on delivery, and the drilling constraints.

Keywords : Risk Analysis, Pasar Kembang Fly Over, severity index, probability-impact matrix.
"halaman ini sengaja dikosongkan"