

## **ABSTRACT**

*PT. XYZ is a service and network construction company, which is a subsidiary of PT. Telkom Indonesia. Construction unit from PT.XYZ currently working on projects. The construction unit is responsible for carrying Provisioning Type 2 and 3 projects. STTF is one of the finished programs which occurs overbudget in its 54 of 139 lists of projects caused by many risks that occurred during the project. The construction unit will perform a migration project soon. The migration project is a fiber optic construction development project. Risk identification and designing risk responses are necessary to avoid over-budget problems as previously. This study uses qualitative risk analysis as the method to process the risks. The research was carried out by identifying risks and arranging them to the risk register. And then using expert judgment to assess the risk probability and impacts, then mapping the risk to the matrix based on its probability and impacts. After the risks have been mapped on the matrix, then the risks will be separated into priority list and watchlists. There are 24 risks on the priority list, 3 of them are positive risks and 50 risks on the watchlist, and one of them is a positive risk. A risk response strategy will be given to all identified risks, and some of the risks from the priority list will have a contingency reserve as an active action. The last process is arranging all the risk information to an updated risk register.*

**Keywords— Project, Migration project, Risk, Risk response, Risk register**