## ABSTRACT

Project Ducting *Ducting* Fiber Optik is a project which located in Summarecon Residence, Bandung. During the project installation, there was change in design which impact to the project delay which then effect the cost, quality and safety and scurity.

To handled the problem its necesarry to perform effective *risk response* to overall and individual identified project risk. As the solution, this research use kualitative and quantitative method to analyze the project risk. The technique used for kualitative is using Probability and Impact Matrix to prioritized the list of risk using ratings in the risk register. Next the critical risk which have rasting more than 10% move to quantitative analysis to calculate extra cost and duration needed as it is contigency reserve.

This research found there are 29 overall project risk which categorized into 1 high risk, 2 moderate risk, and 26 low risk. The final result is update risk register along with the plan risk respon starategy to avoid overall project failures.



Keywords: *Ducting* Fiber Optik, Kualitative Risk, Quantitative Risk, Risk Register, Risk Response.