

ABSTRACT

Project (x), is a project of deploying fiber optic cables for clients with a HEM (High end Market) job category with clients is a company. In the execution process, it turns out that there are many possibilities for work accidents at the project site. The present study seeks to analyze risks related to safety, occupational health and work environment. From the results of observations and research on the project using the Hazard Identification and Risk Assessment (HIRA) method, there are 28 hazard which are dominated by 20 physical hazard sources. From the 20 hazard that have been identified, it can cause 33 risks. After the Risk Rating using the probability and the severity of the impact matrix, 6 of 49 risks is high risk category (working at height, electrocuted). The treatment that will be carried out at this risk can be done using administrative control, engineering control, using PPE and by conducting a survey of electrical installation networks before implementing the project.

Keywords: OHSE Risk, Hazard identification and Risk Assessment, Risk Response