

ABSTRACT

Project of Ciputra World PT. PP (Persero) Tbk. was one of Apartment and SOHO development in construction. It has many kind of high risk activity especially on architecture task. One of those is molding task which the workers direct contact with raw materials and machines. This study were they was potential hazard, to analyze risk associated with potential hazard, to attend to control measure and to assest residual risk to the unit casting.

This study was conducted with cross sectional approach using observational design. Observation and interview method were used to obtain primary data. The object of this research was task casting workers on first shift. The variables of this study were hazard identification, risk analyze, risk control effectiveness and residual risk assessment.

The result show that there were 57 potential hazard identified, it was found that the risk evaluated were mostly low. The assesing control measure was still in affective and the majority of residual risk identified were medium.

It is remended the company monitor and review periodically of risk assesment that has been carried out by risk assesing the risk. It also suggested that the company provide training to all workers on safety and health in construction project. Pay special attention to house keeping and provide the proper personal protective equipment to all workers.

Keywords: unit casting, risk management