ABSTRACT

Occupational safety and health problems (OHS) in general Indonesia is still often overlooked. This is indicated by the still high number of accidents. Common issues regarding this OHS also occurred in construction administration. Workforce in the construction sector accounted for approximately 7-8% of the total workforce in all sectors, and contribute to 6.45% of GDP in Indonesia. Construction services sector is one of the sectors most at risk of workplace accidents, in addition to other key sectors namely agriculture, fisheries, timber, and mining. The number of workers in the construction sector, which reached about 4.5 million people, 53% of them are only educated up to primary school level, even approximately 1.5% of this workforce has never been any formal education.

This research will study about risk identification OHS that related to Puncak Permai Apartments development project in Surabaya, assessment of risks OHS that occurred in apartment construction project activities Puncak Permai Surabaya, and how the remedial action against OHS on apartment construction project activities Puncak Permai Surabaya. In this research will be used valuation method uses a risk assessment matrix obtained from the AS / NZS 4360:2004 Risk Management Standard. Once identified and assessed the risks of the proposed improvements will be carried out using RCA (Root Cause Analysis), which is expected risks can be avoided, reduced or eliminated. Further cost analysis of proposed improvement / risk management.

The result that the five highest risk, namely: use of tower cranes lifting materials there is a risk of material falling / most of the material removed with the total risk index of 13.95, steel fixing, formwork installation, concreting, and the work of external wall collapsed at risk of height with a total risk index of 13.16, electrical installation pipes, install doors and wood frame, external wall, install ceramic and finishing (grinding, chipping, cutting) with a total risk index of 12.76, there is a risk longsornya excavation Excavation with total risk index of 12.47, there is a risk of external wall gondola fell to the total risk index of 11.88.

Key Words : Risk Management, OHS (Occupational Health and Safety), AS/NZS 4360:2004 Risk Management, RCA (Root Cause Analysis), cost analysis.