ABSTRACT

PT. Kertas Trimitra Mandiri (PT. KTM) is known as a manufacturing company which producing type of paper called samson kraft paper for industrial use. PT. KTM uses 3 (three) main machines for producing paper, there are PM 1, PM 2 and PM 3. The producing process is generally quite similar for each product, except the composition and the size. The outputs of this process are a semi-finished paper products that used as the raw material to be processed again and become a variety of packaging products, such as laminated food packaging, cardboard boxes and others.

Occupational health and safety (OHS) situations in PT. Kertas Trimitra Mandiri are already get sufficient concern. But the implementation was not been fulfilled completely according to the provisions yet. Based on the observation explained that the placement of hazardous materials was less concern. Whereas those hazardous materials have potential to cause damage and accidents to personnel or equipment within company. Author conducted statistics calculation of work accidents to determine the impact of lost working hours due to work accidents cases that happened. Having known the impact of lost working hours, author did classification towards any hazards that exist and may represent risks to personnel or equipment within company.

Any hazards within the production area in PT. KTM discovered by identification and control of hazards potential using a hazard and operability study (HAZOP) through OHS Risk Assessment and Control rankings. Based on findings, 65 hazards potential are found which are then classified based on their sources and become 6 (six) sources of risk. After a risk level assessment, author got 1 (one) source of risk classified as "Extreme" and 5 (five) sources of risk classified as "High Risk". This study provides recommendations as OHS training concerning personal protective equipment (PPE) usage, PPE usage worksheet, PPE usage control sheet and effectuate regular safety talk.

***Key words** : HAZOP, risk assessment, OHS, PPE*