

Penilaian risiko keselamatan dan kesehatan kerja pada proses pressing di PT. XYZ tahun 2018 = Occupational health and safety risk assessment at pressing process in PT. XYZ 2018

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Abstrak

Penilaian risiko pada proses pressing di PT. XYZ perlu dilakukan karena terdapat potensi bahaya yang sering ditemukan. Hazard yang sering ditemukan diantaranya bahaya fisik, kimia, dan biomekanik.

Penelitian ini bertujuan untuk mengetahui tingkat risiko keselamatan dan kesehatan kerja dari setiap aktivitas kerja yang ada pada proses pressing di PT. XYZ. Penelitian ini merupakan studi deskriptif observasional yang mengacu terhadap kerangka manajemen risiko AS/NZS 4360.

Identifikasi risiko dilakukan menggunakan Job Hazard Analysis. Analisis risiko dilakukan menggunakan metode semikuantitatif W.T Fine. Analisis risiko dilakukan dengan menentukan nilai consequences, probability, dan exposure, lalu dihitung dengan mengalikan masing-masing nilai tersebut. Selanjutnya skor risiko yang didapat akan dibandingkan dengan standar tingkat risiko semi kuantitatif W.T Fine.

Hasil penelitian menunjukkan bahwa risiko yang ditemukan diantaranya risiko terpajan bising, suhu panas, uap kimia, dan risiko terpajan hazard biomekanik. Selain itu pekerja juga berisiko kejatuhan benda, terjepit, dan terjatuh. Tingkat risiko paling tinggi adalah risiko terpajan bising dan terpajan rubber fume.

.....Risk assessment at pressing process in PT. XYZ needs to be done because there are hazards oftenly found in the workplace. Those hazards mostly are physical, chemical, and biomechanical. This study aims to determine the occupational health and safety risk level at every activities within pressing process in PT. XYZ. This study uses descriptive observational approach which refers to AS NZS 4360 standard. Risks in each activities are identified using Job Hazard Analysis.

The identified risks are analyzed using W.T Fine semi quantitative method. Risk analysis is performed by determining consequences, probability, and exposure scores, and then will be calculated by multiplying each scores. Risk scores are then compared with the W.T Fine semi quantitative standard risk level.

The result of this study indicates that there are various risks found in the process, such as noise, thermal environment, heat, chemical mist and fume, and biomechanical hazards. Moreover, workers are likely to be exposed to gravitational hazards, get squeezed by objects, and fall. The two highest risks level are risk of being exposed to noise and rubber fume.