

Penilaian risiko keselamatan kerja pada proses pekerjaan angkat angkut material bahan menggunakan tower crane di proyek pembangunan Apartement XY oleh PT X = Risk assessment of occupational health and safety risks in the work of lifting the transport of materials using tower cranes in construction projects Apartment XY by PT X

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Abstrak

Angka kecelakaan kerja di bidang jasa konstruksi paling tinggi dibanding sektor industri lainnya. Alat berat crane menyumbang andil 38% dari kecelakaan fatal yang terdapat di industri. Oleh karena itu, penelitian ini membahas tentang penilaian risiko kesehatan dan keselamatan kerja pada proses pekerjaan angkat angkut material/ bahan menggunakan tower crane di proyek pembangunan Apartement XY oleh PT. X tahun 2014. Tujuan dari penelitian ini adalah mengetahui prioritas risiko keselamatan dan kesehatan yang memerlukan pengendalian risiko pada proses pekerjaan angkat angkut material/ bahan menggunakan tower crane. Metode penelitian ini menggunakan desain penelitian observasional, sedangkan untuk analisis risiko menggunakan metode semi kuantitatif. Hasil penelitian ini yaitu pada basic risk terdapat 10 event yang termasuk kedalam kategori very high, terdapat 7 event yang termasuk kedalam kategori priority 1, terdapat 6 event yang termasuk kedalam kategori subtancial, dan terdapat 8 event yang termasuk kedalam kategori priority 3. Pada existing risk, pengendalian yang telah dilakukan oleh perusahaan dapat menurunkan risiko yang ada. Tidak terdapat jenis pekerjaan yang masuk kedalam kategori very high, terdapat 2 event yang masuk kedalam kategori priority 1, terdapat 6 event yang masuk kedalam kategori subtancial, terdapat 19 event yang termasuk kedalam kategori priority 3, dan terdapat 4 event yang masuk kedalam kategori acceptable. Pada predictive risk, terdapat 27 event yang masuk kedalam kategori acceptable, dan 4 event yang masih masuk kedalam kategori priority 3 dan memerlukan perhatian lebih lanjut. Saran yang dapat diberikan untuk penelitian ini yaitu perlunya pengawasan yang lebih optimal dari pihak K3 dan perlunya penambahan APD dari perusahaan untuk semua pekerja.

.....Accidents in the construction field higher than other industrial sectors. Canes accounted for 38% share of fatal accident there in the industry. Therefore, this study discusses about risk assessment of occupational health and safety risks in the work of lifting the transport of materials using tower cranes in construction projects Apartment XY by PT. X 2014. The purpose of this study was to determine the priority of safety and health risks that require risk control in the process of lifting jobs transport material use tower cranes. Methods This study uses an observational study design, and for risk analysis using semi-quantitative methods. The results of this study are at risk there are 10 basic events were included to the category of very high, there are 7 events were included into the category of priority 1, there are 6 events were included into the category of subtancial, and there are 8 events were include into the category of priority 3. In the existing risk, control has been done by companies can to reduce risk. There are nothing task were include into the category of very high, there are 2 events in the category of priority 1, there are 6 events were include into the category of subtancial, there are 19 events were included into the category of priority 3, and there are 4 events were include into the category of acceptable. In the predictive risk, there are 27 events that enter into the acceptable category, and 4 events are still in the category of priority 3 and requires further attention.

Advice can be given to this research is needed for a more optimal control of the K3 and needed for the addition of PPE for all workers in the company.