

ABSTRACT

Applying the good 5R implementation is an important factor in preventing accidents on the company that is the majority of the handlers of goods or materials, exposed objects that fall, or contact with objects in the workplace. This research aims to identify the applicability of 5R as occupational accident prevention effort at the logistic and welding sections of PT. X Gresik.

This research was descriptive that described a condition with cross-sectional research design. This research is an observational research with population sampling (total sampling). Data collection used primary data, such as observation sheets, questionnaires, and interviews as well as secondary data. Employee characterization in this research were age, education level, length of work, 5R knowledge level, and attitude toward 5R implementation. The 5R implementation variables in this research were company policy on 5R implementation, 5R implementation assessment, and occupational accident rate. Occupational accident rate is calculated using frequency rate, severity rate, incident rate, and prevalence rate. This study also included analytical research because it analyzed strong employee participation relationships based on correlation coefficient values.

The results of this research indicated there was a policy in the company concerning implementation of 5R in the form of technical instructions and company SOP that has been running well alongside other OSH policies. Assessment of 5R implementation in the logistic and welding sections as a whole belong in good category. The majority of employees in the logistic and welding sections has 5R knowledge level and employee attitude toward 5R implementation is in good category. There are many differences in the direction of the relationship between the logistic and welding sections with condition one negative and the other positive. Frequency Rate during 2013 in the welding section was the highest danger level. Severity Rate in the welding section has the highest value in 2013. Incident Rate in 2013 was the highest value. Prevalence Rate in the welding section in 2013 has the highest value. Occupational accident rate was decline to zero by 2016 and 2017.

The 5R implementation in the logistic and welding sections of PT. X Gresik has gone well. The company must be able to maintain and create innovations to improve 5R implementation, such as creating a 5R team consisting of managers, supervisors, coordinators, foreman, and employee representatives and improving the assessment of 5R implementation that is lacking.

Keywords: 5R Implementation, Logistic Section, Welding Section, Occupational Accident

ABSTRAK

Penerapan 5R yang baik merupakan faktor penting dalam mencegah kecelakaan kerja pada perusahaan yang mayoritas melakukan proses penanganan barang atau bahan, terkena benda-benda yang jatuh, atau kontak dengan benda-benda di tempat kerja. Penelitian ini bertujuan untuk mengidentifikasi penerapan 5R sebagai upaya pencegahan kecelakaan kerja di bagian *logistic* dan *welding* PT. X Gresik.

Penelitian ini bersifat deskriptif yakni menggambarkan suatu kondisi dengan desain penelitian *cross-sectional*. Penelitian ini merupakan penelitian observasional dengan pengambilan sampel secara total sampel (*total sampling*). Pengumpulan data menggunakan data primer seperti lembar observasi, kuesioner, dan wawancara serta data sekunder. Karakteristik tenaga kerja yang diteliti meliputi usia, tingkat pendidikan, masa kerja, tingkat pengetahuan 5R, dan sikap tenaga kerja terhadap penerapan 5R. Variabel penerapan 5R yang diteliti meliputi kebijakan perusahaan mengenai penerapan 5R, penilaian penerapan 5R, dan angka kecelakaan kerja. Angka kecelakaan kerja dihitung dengan menggunakan *frequency rate*, *severity rate*, *incident rate*, dan *prevalence rate*. Penelitian ini juga termasuk penelitian analitik karena menganalisis kuat hubungan karakteristik tenaga kerja berdasarkan nilai koefisien korelasi.

Hasil penelitian menunjukkan bahwa kebijakan di perusahaan mengenai penerapan 5R dalam bentuk petunjuk teknis dan SOP perusahaan yang telah berjalan dengan baik bersama kebijakan K3 lainnya. Penilaian penerapan 5R di bagian *logistic* dan *welding* secara keseluruhan termasuk dalam kategori baik. Mayoritas tenaga kerja di bagian *logistic* dan *welding* masing-masing memiliki tingkat pengetahuan 5R dan sikap tenaga kerja terhadap penerapan 5R dalam kategori baik. Terdapat perbedaan arah hubungan antara bagian *logistic* dan *welding* dengan kondisi yang satu negatif yang lainnya positif. *Frequency Rate* selama tahun 2013 di bagian *welding* termasuk tingkat bahaya tinggi. *Severity Rate* di bagian *welding* memiliki nilai tertinggi pada tahun 2013. *Incident Rate* di bagian *welding* tertinggi pada tahun 2013. *Prevalence Rate* di bagian *welding* tahun 2013 memiliki nilai tertinggi. Angka kecelakaan mulai menurun menjadi nol pada tahun 2016 dan 2017.

Penerapan 5R di bagian *logistic* dan *welding* PT. X Gresik sudah berjalan dengan baik. Perusahaan harus bisa mempertahankan dan membuat inovasi baru untuk meningkatkan penerapan 5R seperti membuat tim 5R yang terdiri dari pimpinan, *supervisor*, koordinator, *foreman*, dan perwakilan tenaga kerja serta memperbaiki penilaian penerapan 5R yang masih kurang.

Kata Kunci: penerapan 5R, bagian *Logistic*, bagian *Welding*, Kecelakaan Kerja