

**ABSTRACT**

*Safety sign is the equipment contained in the work environment in order to protect and enhance the awareness of workers against potential dangers which are occur in the work environment. The Fit application of safety sign with the standard and also supported by the good knowledge and perception about safety sign of the workers can make a work accident prevention efforts more effective. This research was conducted to find out the relationship between knowledge of safety sign workers with perceptions about the suitability of applying the safety sign.*

*This research is research observational analytic with cross sectional design. Calculation of samples from a population were selected by simple random sampling. Total samples were 42 Operators Container Crane. The independent variables were the knowledge safety sign of workers. The dependent variable were perceptions about the suitability of applying the safety sign. Analysis the results of this research using the spearman correlation test.*

*The results showed the majority of respondents have a very good level of knowledge about safety sign (95,24%), and perceptions about the suitability of applying the safety sign's workers (95,24%). Field observation found the results of suitable against standard ANSI Z535, the highest value on danger sign was (50%), warning sign was (37.5%), caution sign was (56,25%), notice sign was (68,28%), and safety condition sign was (100%). Spearman correlation test results showed there is no meaningful relationship between knowledge of safety sign workers with perceptions about the suitability of the safety sign ( $p = 0,219$ ).*

*The Conclusion of the research is knowledge of safety sign workers have no meaningful relationship with perception of suitability safety sign. This may be because there are other factors that are not examined by researcher because of limited time and resources. Application of a danger sign, warning sign, caution sign and notice sign less suitable with ANSI Z535 standard. Meanwhile, the safety condition sign has been suited.*

*Keywords: knowledge, perception, safety sign, ANSI standard Z535*

**ABSTRAK**

*Safety sign* adalah peralatan yang terdapat di lingkungan kerja guna melindungi dan meningkatkan kesiagaan pekerja terhadap potensi bahaya yang terdapat pada lingkungan kerja dermaga. Penerapan *safety sign* yang sesuai dengan standar didukung dengan pengetahuan dan persepsi yang baik tentang *safety sign* dari pekerja dapat menjadikan upaya pencegahan kecelakaan kerja lebih efektif. Penelitian ini dilakukan untuk mengetahui hubungan antara pengetahuan tentang *safety sign* pekerja dengan persepsi tentang kesesuaian penerapan *safety sign*.

Penelitian ini merupakan penelitian observasional analitik dengan desain *cross sectional*. Penentuan sampel dari populasi dilakukan dengan *simple random sampling*. Jumlah sampel sebanyak 42 sampel operator *Container Crane*. Variabel bebas penelitian adalah pengetahuan pekerja tentang *safety sign*. Variabel terikat penelitian adalah persepsi pekerja tentang kesesuaian *safety sign*. Analisis hasil data pada penelitian ini menggunakan korelasi *spearman*.

Hasil penelitian menunjukkan sebagian besar responden memiliki tingkat pengetahuan yang sangat baik tentang *safety sign* (95,24%), tingkat persepsi yang terkait kesesuaian *safety sign* yang sangat baik (95,24%). Pada observasi lapangan diperoleh hasil kesesuaian terhadap standar ANSI Z535 dengan angka kesesuaian tertinggi pada *danger sign* (50%), *warning sign* (37,5%), *caution sign* (56,25%), *notice sign* (68,28%), dan *safety condition sign* (100%). Hasil uji korelasi *spearman* menunjukkan tidak terdapat hubungan yang bermakna antara pengetahuan tentang *safety sign* pekerja dengan persepsi tentang kesesuaian *safety sign* ( $p=0,219$ ).

Kesimpulan pada penelitian ini adalah pengetahuan tentang *safety sign* pekerja tidak memiliki hubungan bermakna dengan persepsi tentang kesesuaian *safety sign*. Hal ini mungkin disebabkan karena terdapat faktor lain yang diteliti oleh peneliti karena keterbatasan waktu dan sumberdaya. Penerapan *danger sign*, *warning sign*, *caution sign*, dan *notice sign* belum sesuai dengan standar ANSI Z535. Sedangkan *safety condition sign* telah sesuai.

Kata kunci: pengetahuan, persepsi, *safety sign*, standar ANSI Z535