ABSTRAK

Latar Belakang : Kebisingan di tempat kerja sudah menjadi masalah kesehatan yang terjadi di berbagai negara. Secara global, permintaan baja meningkat karena pembangunan infrastruktur baru seperti jembatan, jalan layang, gedung, menara, dan jalur kereta api. Menurut Komite Nasional Pencegahan Gangguan Pendengaran dan Ketulian pada tahun 2014, gangguan pendengaran akibat kebisingan di Indonesia termasuk yang tertinggi di Asia Tenggara yaitu sekitar 36 juta jiwa atau 16,8% dari total penduduk.

Tujuan : Untuk mengetahui pengaruh kebisingan terhadap pendengaran pekerja Toko Besi Kurnia Steel Medan 2024

Metode : Studi Analitik

Hasil : Uji *chi square* karena tidak memenuhi syarat dengan 1 sel memiliki nilai harapan kurang dari 5 maka digunakan alternatif lain yaitu uji *Fisher exact* yang mendapatkan nilai P-*value* 0.004 (<0.05) yang berarti H1 diterima dan H0 ditolak artinya ada pengaruh kebisingan terhadap pendengaran pada pekerja di Toko Besi Kurnia Steel Medan.

Kesimpulan : Terdapat pengaruh kebisingan terhadap pendengaran pada pekerja Toko Besi Kurnia Steel Medan

Kata Kunci : Kebisingan, Tingkat Pendengaran, Toko Besi Kurnia Steel Medan

ABSTRACT

Background : *Noise in the workplace has become a health problem that occurs in various countries. Globally, the demand for steel is increasing due to the construction of new infrastructure such as bridges, overpasses, buildings, towers, and railway lines. According to the National Committee for the Prevention of Hearing Loss and Deafness in 2014, noise-induced hearing loss in Indonesia is among the highest in Southeast Asia, which is around 36 million people or 16.8% of the total population.*

Objective : *To determine the effect of noise on the hearing of workers of Toko Besi Kurnia Steel Medan 2024*

Method : *Analytical Studies*

Results : *The chi square test because it does not meet the requirements with 1 cell having an expectation value of less than 5, another alternative is used, namely the Fisher exact test which gets a P-value of 0.004 (<0.05) which means H1 is accepted and H0 is rejected meaning that there is an influence of noise on hearing in workers at Toko Besi Kurnia Steel Medan*

Conclusion : *There is an effect of noise on hearing in workers Toko Besi Kurnia Steel Medan*

Keywords : *Noise, Hearing Level, Kurnia Steel Medan Iron Shop*