ABSTRAK

Aulia Sephia Caren

"PENGARUH UMUR, MASA KERJA, PENGGUNAAN APT TERHADAP AMBANG PENDENGARAN PEKERJA DI LINGKUNGAN KERJA BISING (STUDI KASUS DI RUANG MESIN KAPAL TANKER PT. TANTO INTIM LINE 2022)".

xvii + 73 Halaman + 16 Tabel + 4 Lampiran

Intensitas kebisingan pada ruang mesin kapal tanker yang menjadi sumber bising mencapai lebih dari 115 dB, dimana kebisingan disana telah melebihi ambang batas dan berisiko besar menyebabkan gangguan kesehatan seperti penurunan ambang pendengaran pekerja didalamnya dikarenakan mesin-mesin harus tetap menyala selama 24 jam.

Tujuan penelitian ini untuk menganalisis pengaruh umur, masa kerja, dan penggunaan APT pada ambang pendengaran pekerja kapal di lingkungan ruang mesin kapal tanker PT. Tanto Intim Line. Penelitian ini menggunakan jenis penelitian observasional analitik dengan melakukan pendekatan *cross sectional* untuk mencari hubungan antara variabel – variabel deskriptif dengan metode observasional dan jenis data kualitatif.

Hasil penelitian menunjukkan bahwa intensitas kebisingan di ruang mesin kapal sebesar 115.3-118 dB(A), pekerja yang menggunakan APT sesuai SOP sebanyak 60%, terdapat 63.3% pekerja berumur ≤ 40 tahun, terdapat 70% pekerja dengan masa kerja ≤ 15 tahun, ambang pendengaran pekerja yang normal sebanyak 66.7% pekerja, dan umur, masa kerja, serta penggunaan APT mempengaruhi ambang pendengaran pekerja.

Saran yang dapat dilakukan perusahaan yaitu melakukan pengendalian kebisingan secara teknis dan memberi pelatihan atau sosialisasi untuk pekerja, serta mengupayakan fasilitas APT yang nyaman dipakai, serta melakukan pengawasan. Saran untuk peneliti lain yaitu meneliti lebih lanjut kenyamanan ataupun kondisi APT serta meneliti lama paparan bising yang dialami pekerja.

Kata kunci : kapal, intensitas kebisingan, mesin, ambang pendengaran, umur, masa kerja, APT.

Daftar bacaan :23 bacaan (2006-2021)

ABSTRACT

Aulia Sephia Caren

"The Effect Of Age, Years Of Service, And The Application Of Ear Protection Equipment On The Hearing Things Of Workers In Noisy Work Environment (Case Study In The Engine Room Of Tanker Ship PT. Tanto Intim Line 2022)"

xvii + 73 Pages + 16 Tables + 4 Appendix

The noise intensity in the tanker engine room which is the source of noise reaches more than 115 dB, where the noise there has exceeded the threshold and is at great risk of causing health problems such as a decrease in the hearing threshold of workers inside because the machines must remain on for 24 hours.

The purpose of this study was to analyze the effect of age, years of service, and use of ear protection equipment on the hearing threshold of ship workers in the engine room environment of the tanker PT. Tanto Intimate Line. This study uses an analytic observational research by conducting a cross sectional approach to find the relationship between descriptive variables with observational methods and qualitative data types.

The results showed that the noise intensity in the ship's engine room was 115.3-118 dB(A), 60% of workers who used ear protection according to SOPs, 63.3% of workers aged 40 years, 70% of workers with 15 years of service, the normal hearing threshold of workers is 66.7% of workers, and age, years of service, and the use of Ear Protection Equipment affect the hearing threshold of workers.

Suggestions for the company are providing training or socialization for workers, as well as seeking ear protection facilities that are comfortable to wear, as well as conducting supervision. Suggestions for other researchers are to investigate further the comfort or condition of Ear Protection Equipment and examine the length of noise exposure experienced by workers.

Keywords : ship, noise intensity, engine, hearing threshold, age, ears of service, ear protection.
Reading list : 23 readings (2006-2021)