

ABSTRACT

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Study Program : The state of public health

Title : *Hearing Loss Factors at PT. Finusolprima Farma International
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Hearing loss is a disease caused by noise that affects people all over the world, including Indonesia, and is one of the most serious issues in occupational health and safety, particularly for workers who work in noisy environments. Noise intensity, duration of noise exposure, genetics, years of service, age, use of ototoxic drugs, use of ear protective equipment, and cigarette smoke exposure are all factors that influence hearing loss. Based on medical check-up (MCU) data from the results of auditory examinations on workers, it is known that the prevalence of hearing loss increases every year, namely by 19% in 2017, 23% in 2018, and 53% in 2019. The purpose of this research is to identify the factors that influence hearing loss in PT. Finusolprima Farma Internasional in 2021. This is a quantitative study with a cross-sectional design. Primary data is collected through observation and interviews, as well as secondary data from MCU data and noise measurements. The research sample consists of workers from the production and generator divisions, and sampling techniques such as stratification and simple random sampling were used. The Chi Square test results revealed a link between hearing loss and age ($p = 0.009$), use of ear protective equipment ($p = 0.003$), years of service ($p = 0.002$), and noise intensity ($p = 0.039$). It is hoped that PT. Finusolprima Farma Internasional will implement a policy requiring the use of ear protective equipment in the workplace and will monitor the use of such ear protective equipment on a regular basis.

*Keywords: Hearing Loss, Age, Ear Protective Equipment, Working Period, Noise Intensity VI Chapter; 93 pages; 5 illustrations; 14 tables; 6 appendices
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