

ABSTRACT

Analysis Factors Affecting Hearing Condition of Blacksmith Workers in Sungai Pinang, District of Daha Selatan, South Kalimantan

Globally, the World Health Organization (WHO) estimates that the prevalence of hearing loss in 2000 were 250 million people, or about 4.2% of world population. Hearing loss can be caused by workers work-related or unrelated factor. Some countries in the world have established that NIHL was the greatest occupational diseases suffered.

This research is quantitative with a causal relationship. This research was conducted in the village of Sungai Pinang, district of Daha Selatan, South Kalimantan in September to November 2014. The population research was all blacksmith workers amount 87 people. In this research, the sampling technique used is random sampling numbered 72 people. This research data were analyzed by using logistic regression analysis.

The results of this research showed that workers decreased hearing aggregate to 62 people (86,1 %), and normal hearing to 10 people (13,9 %). Worker characteristics that influence the auditory condition blacksmith workers were age ($p = 0.031$), length of employment ($p = 0.032$), period of employment ($p = 0.040$), and the use of APD ($p = 0.002$).

The conclusion of this research showed that hearing loss of blacksmith workers influenced by age, length of employment, period of employment, and the behavior of the use of APD.

Keywords: characteristics of workers, hearing condition