

ABSTRACT

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Study Program : Public Health

Title : Factors Associated With Musculoskeletal Disorders (MSDs)
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Musculoskeletal disorder is a disorder of the parts of the skeletal muscle felt by a person ranging from very mild complaint until the very sick. Previous research results obtained 16% of MSDs disorders in 2005, and obtained a 25% result with a prevalence of back pain, 17% with prevalence of muscle pain in the arms or legs. This research was conducted in the workshop of PT. Farrel Internusa Pratama in April-May 2017. The sample of this research is 35 people using cross sectional study design. The statistical test used is Fisher Exact. The variables studied were work posture, age, period of employment, and duration of work. The result of the research showed that high risk of MSDs was 27 people (77,1%) and the risk of MSDs was low / not affected by 8 people (22,9%). The result of statistical test shows that there is a correlation between work posture with MSDs disorder (p value = 0,030), age (p value = 0,003, period of employment (p value = 0,032), and duration of work (p value = 0,003). The company is encouraged to socialize and conducting ergonomics training, provide desks or media to support materials, doing job rotation to avoid stress on the muscles of the body due to sedentary work, shifting time settings and balanced rest periods to minimize MSDs disturbance.

Keywords: MSDs Disorder, Welder, Work Posture, Age, Period of employment, Duration of Work.

Xiv + 89 Pages, 18 Tables, 10 Pictures, Attachments

References: 34 (1964 - 2013)