

ABSTRAK

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THE EFFECT OF APD USE ON BREATHING INTERFERENCE IN WORKERS IN THE HOME INDUSTRY OF WEST SURABAYA FURNITURE, 2020

1x + 56 pages + 5 pictures + 16 tables + 5 attachments

Wood dust can cause breathing problems in workers. Wood dust flying in the air enters the bodies of workers who do not use APD masks while working through breathing. Respiratory disturbances caused by wood dust on labor such as coughing, nasal congestion, shortness of breath. This study aims to analyze the effect of APD use on respiratory disorders in West Surabaya furniture industry home workers.

This research is analytic with cross sectional approach. Data collection was carried out by observation and interview, from 28 workers randomly drawn from 30 workers in the section of cutting and sanding wood. The study was conducted at the West Surabaya home furniture industry.

The collected data is presented in the form of a table, then analyzed statistically using the correlation test found that the use of personal protective equipment (APD) get a value of ρ of $0,000 \leq 0.05$ (5%), which means there is the influence of personal protective equipment (APD) with respiratory problems in furniture workers in the cutting and sanding section. The characteristics of the workers such as the age of the workers get a value of ρ of $0.003 \leq 0.05$ (5%), which means that there is an influence of the age of workers with respiratory disorders in furniture workers in the section of cutting and sanding. fully affect breathing problems in workers such as prolonged exposure to workers in exposure to dust.

The conclusion of the use of APD and the characteristics of workers in addition to the duration of exposure affect the respiratory disorders felt by workers. Workers must use APD when working to prevent breathing problems.

*Keywords: Use of PPE, respiratory complaints
Reading List: 24 (2005 -2019)*

ABSTRAK

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PENGARUH PENGGUNAAN APD TERHADAP GANGGUAN PERNAFASAN PADA PEKERJA DI HOME INDUSTRI MEBEL SURABAYA BARAT TAHUN 2020

1x + 56 Halaman + 5 Gambar + 16 Tabel + 5 Lampiran

Debu kayu dapat menimbulkan gangguan pernapasan pada pekerja. Debu kayu yang berterbangan di udara masuk kedalam tubuh para pekerja yang tidak menggunakan APD masker selama bekerja melalui pernafasan. Gangguan pernafasan akibat debu kayu terhadap tenaga kerja seperti batuk, hidung tersumbat, sesak nafas. Penelitian ini bertujuan untuk menganalisis pengaruh penggunaan APD terhadap gangguan pernafasan pada pekerja home industri mebel Surabaya Barat.

Penelitian ini bersifat analitik dengan pendekatan *cross sectional*. Pengumpulan data dilakukan dengan observasi dan wawancara, dari 28 pekerja yang diambil secara random dari 30 pekerja dibagian pemotongan dan pengamplasan kayu. Penelitian dilakukan pada home industri mebel Surabaya Barat

Data yang terkumpul diolah disajikan dalam bentuk table, selanjutnya dianalisis secara statistic dengan menggunakan uji *Kolerasi* didapati hasil bahwa penggunaan alat pelindung diri (APD) mendapatkan nilai p sebesar $0,000 \leq 0,05$ (5%), yang berarti ada pengaruh alat pelindung diri (APD) dengan gangguan pernafasan pada pekerja mebel dibagian pemotongan dan pengamplasan. Karakteristik para pekerja seperti umur para pekerja mendapatkan nilai p sebesar $0,003 \leq 0,05$ (5%), yang berarti ada pengaruh umur pekerja dengan gangguan pernafasan pada pekerja mebel dibagian pemotongan dan pengamplasan. sepenuhnya mempengaruhi gangguan pernafasan pada pekerja seperti lama paparan para pekerja dalam terpapar debu.

Kesimpulan penggunaan APD dan karakteristik pekerja selain lama paparan berpengaruh terhadap gangguan pernafasaan yang dirasakan oleh pekerja. Para pekerja harus menggunakan APD sewaktu bekerja agar dapat mencegah terjadinya gangguan pernafasan.

Kata kunci : Penggunaan APD, Keluhan pernafasan

Daftar Bacaan : 24 (2005 -2019)