

Analisis tingkat risiko ergonomi dan keluhan subjektif cumulative trauma disorders pada pekerja inflate inspection di PT Bridgestone Tire Indonesia, Bekasi Plant tahun 2012 = Analysis of ergonomic risk level and subjective complaints of cumulative trauma disorders among inflate inspection workers in PT Bridgestone Tire Indonesia, Bekasi Plant 2012

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Abstrak

Pekerjaan inflate inspection di PT Bridgestone Tire Indonesia tidak terlepas dari risiko ergonomi yang disebabkan oleh aktivitas manual handling. Penilaian faktor risiko ergonomi di tempat kerja dilakukan dengan pendekatan penilaian tingkat risiko pekerjaan dan keluhan subjektif pekerja. Analisis risiko pekerjaan ini menggunakan metode Rapid Entire Body Assessment (REBA). Didapatkan lima aktivitas yang memiliki risiko ergonomi tinggi antara lain menurunkan ban dari rak, meletakkan ban ke mesin inflate, memindahkan ban ke meja inspeksi, mengambil ban dan meletakkan ke mesin inflate, dan menyimpan ban ke rak. Tindakan pengendalian yang perlu dilakukan termasuk kategori 3 yaitu secepatnya diubah. Analisis keluhan subjektif Cumulative Trauma Disorders pada pekerja menggunakan kuesioner Nordic Body Map yang dilakukan pada 28 bagian tubuh. Dari hasil penilaian tersebut didapatkan 93,8% pekerja mengalami keluhan pada bagian punggung, pinggang, dan pergelangan tangan kanan.

.....Working at inflate inspection in PT Bridgestone Tire Indonesia may not be separated from ergonomic risk caused by activity of manual handling. Assessment of ergonomic risk factors at work carried out using the level approach to the evaluation of occupational hazard and subjective complaints of workers. The risk analyzed by using Rapid Entire Body Assessment (REBA). Obtained five works that are at high risk of ergonomics, there are lower tire off from rack, put the tire to inflate machine, moves the tire to inspection table, took tire and put at inflate machine, and save the tire to the rack. Control measures to be done at category of 3, which becomes necessary soon. Analysis of Cumulative Trauma Disorders subjective complaints using Nordic Body Map questionnaire which conducted in 28 parts of body. From the result of this assessment, there are obtained 93,8% of workers have complaints at the back, lower back, and right wrist.