

Analisis pengaruh tekanan panas terhadap fisiologis dan psikologis pekerja di PT. XYZ tahun 2016 = Analysis of effect of heat stress to physiological and psychological workers at PT. XYZ 2016 / Atiq Amanah Retna Palupi

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Abstrak

ABSTRAK

Penelitian ini bertujuan menganalisis pengaruh tekanan panas terhadap fisiologis dan psikologis pekerja di PT XYZ Tahun 2016. Unit usaha utama PT XYZ yakni part otomotif dengan kegiatan press & welding. Respon fisiologis pekerja welding terhadap tekanan panas yakni peningkatan suhu, denyut nadi dan perubahan nilai berat jenis urine. Nilai Indeks tekanan panas dengan ISBB melebihi nilai ambang. Nilai Indeks Thermal Work Limit berada pada area tidak berbahaya. Analisis data dengan uji t dependent dan independent, didapatkan nilai $p < 0,005$. Keluhan subyektif pekerja welding sebagai respon psikologis. Yakni adanya rasa haus, kulit berkeringat/lembab, adanya biang keringat, kejang/kram otot selaras dengan hasil pengukuran yakni adanya peningkatan denyut nadi, suhu dan berat jenis urin

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ABSTRACT

This study aimed to analyze the effect of heat stress on the physiological and psychological workers at PT XYZ Year 2016. The business unit of PT XYZ namely automotive parts with the activities of the press and welding. Welding worker's physiological response to heat stress that an increase in temperature, pulse and urine specific gravity value changes. Heat stress index value with WBGT exceeds the threshold value. Thermal Work Limit Value Index is in the area is not dangerous. Data were analyzed by dependent and independent t test, p value < 0.005 . Subjective complaints of workers welding as a psychological response. Namely their thirst, skin sweat / moisture, their prickly heat, cramps / muscle cramps in tune with the measurement results to an increase in pulse rate, temperature and specific gravity of urine.