

## Evaluasi pengendalian heat stress pada pekerja di area kiln dan cast shop PT. American Standard Indonesia tahun 2013 = Evaluation of heat stress on workers control in the area of kiln and cast shop PT. American Standard Indonesia in 2013

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### Abstrak

PT. American Standard Indonesia merupakan perusahaan yang bergerak di bidang sanitary manufactur yang memproduksi peralatan sanitasi seperti closet dan wastafel. Salah satu tahapan produksinya yaitu pencetakan (casting) serta pembakaran yang suhunya dapat mencapai 20000C. Hasil menunjukkan indeks WBGT in rata-rata area Kiln dan Cast Shop antara 30.710C-33.80C dengan pola kerja pekerja 50%-75% serta beban kerja yang masuk dalam katagori sedang hal ini dapat menyebabkan pekerja mengalami heat stress. Heat stress dapat dipengaruhi oleh faktor suhu lingkungan yang tinggi, kelembaban, kecepatan angin, pola kerja, beban kerja, serta pakaian kerja.

Penelitian ini bersifat deskriptif dengan desain penelitian cross-sectional. Penelitian ini bertujuan untuk mengetahui pengendalian heat stres yang telah dilakukan perusahaan terhadap pekerja di area Kiln dan Cast shop di PT. American Standard Indonesia. Hasil Penelitian berupa analisis faktor penyebab heat stress dan pengendalian heat stress yang telah dilakukan di area Kiln dan Cast Shop PT. American Standard I.

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PT. American Standard Indonesia is a company engaged in the field of sanitary manufactur -producing sanitary equipment, such as closets and sinks. One of the stages of production that is printing ( casting ) as well as the combustion temperature can reach 20000C . Results showed WBGT index in the average area between Kiln and Cast Shop 30.710C - 33.80C with work patterns 50 % -75 % of workers as well as the workload in the category of being this may cause workers to experience heat stress. Heat stress can be influenced by high ambient temperatures, humidity, wind speed, work patterns, workload, and work clothes.

This study is a descriptive cross-sectional study design. This study aims to determine heat stress control company that has been done in the area of workers and Kiln Cast shop in PT. American Standard Indonesia . Research results form the analysis of the causes of heat stress and heat stress control has been done in the area of Kiln and Cast Shop PT. American Standard Indonesia and evaluation of control programs that have been carried out.