

## Analisis risiko keselamatan dan kesehatan kerja di PT. X- Manufakturing Perhiasan di Jakarta Timur = Occupational safety and health risk analysis at PT. X-Jewelry Manufacturing in East Jakarta

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### Abstrak

Penelitian ini membahas tentang analisis risiko keselamatan dan kesehatan kerja di PT X yang memproduksi perhiasan bernilai jual tinggi di Indonesia. Penelitian ini menggunakan metode analitik deskriptif dan mengacu pada AS/NZS 4360:2004 tentang Manajemen Risiko. Penelitian ini menggunakan skala pengukuran nominal dan ordinal. Untuk perhitungan tingkat risiko mengacu pada formula matematika Fine (William T. Fine, 1971) yang menggunakan faktor konsekuensi, probabilitas dan paparan. Dari penilaian tingkat risiko tertinggi dibahas lima bahaya yaitu proses kerja yang menggunakan Asam sulfat, bahaya ergonomi, penggunaan mesin laser, Silicone Mold Release dan bahan abrasif pada proses poles.

.....This research is about the risk analysis of occupational safety and health in PT X, a company manufacturing high end jewelry in Indonesia. The research is composed with descriptive and analytical writing and it refers to AS/NZS 4360:2004 regarding Risk Management. The research uses nominal and ordinal scale of measurement. For the calculation on the level of risk, it refers to mathematical formula of Fine (William T. Fine, 1971) that uses assessment factors: Consequence, Probability and Exposure. After assessing the level of risk, there are top five hazards that are further elaborated namely: the use of Sulfuric Acid, ergonomic hazard, the use of lasers, Silicone Mold Release and abrasive materials for polishing process.