

ABSTRAK

“Analisis Pengendalian Risiko Kecelakaan Kerja Dan Sumber Bahaya Dengan Metode HIRARC (*Hazard Identification Risk Assesment And Risk Control*) Pada Bagian SPP Gudang Baru Di PT. Rokok Indonesia”.

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Penelitian ini bertujuan untuk mengidentifikasi potensi bahaya dan mengevaluasi tingkat risiko kerja dengan menggunakan metode HIRARC (*Hazard Identification, Risk Assessment, and Risk Control*) di area SPP Gudang Baru PT Rokok Indonesia. Metode ini dilakukan dengan mengidentifikasi potensi bahaya yang muncul dari aktivitas kerja, menilai tingkat kemungkinan dan keparahan dari masing-masing bahaya, serta menetapkan pengendalian risiko berdasarkan prinsip hirarki pengendalian. Hasil penelitian menunjukkan bahwa terdapat lima kategori utama potensi bahaya, yaitu bahaya mekanik, listrik, fisik, kimiawi, dan ergonomi. Sebagian besar aktivitas berada pada tingkat risiko sedang hingga tinggi, bahkan beberapa di antaranya masuk dalam kategori sangat tinggi. Pengendalian risiko disusun berdasarkan pendekatan eliminasi, substitusi, rekayasa teknis, pengendalian administratif, dan penggunaan APD. Penelitian ini juga menyesuaikan penerapan sistem K3 dari regulasi lama (Permenaker No. PER.05/MEN/1996) ke sistem manajemen K3 berbasis ISO 45001:2018 serta manajemen lingkungan ISO 14001:2018. Dengan implementasi pengendalian yang sistematis dan terstandarisasi, perusahaan diharapkan mampu menciptakan lingkungan kerja yang lebih aman, sehat, dan berkelanjutan.

Kata Kunci: HIRARC, pengendalian risiko, ISO 45001:2018, bahaya kerja, keselamatan kerja.

ABSTRACT

A Comprehensive Analysis of Occupational Accident Risk Control and Hazard Sources Using the HIRARC (Hazard Identification, Risk Assessment, and Risk Control) Method in the SPP Division of the New Warehouse at PT. Indonesian Cigarettes

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This study aims to identify workplace hazards and evaluate risk levels using the HIRARC (Hazard Identification, Risk Assessment, and Risk Control) method at the SPP Warehouse Area of PT Indonesian Cigarettes. The method involves identifying potential hazards arising from work activities, assessing the likelihood and severity of each risk, and determining risk control measures based on the hierarchy of control. The results show five main categories of hazards: mechanical, electrical, physical, chemical, and ergonomic. Most activities were found to have medium to high risk levels, with some categorized as very high risk. Risk control measures were implemented through elimination, substitution, engineering controls, administrative controls, and personal protective equipment (PPE). The study also reflects the company's transition from the previous SMK3 regulation (Ministry of Manpower Regulation No. PER.05/MEN/1996) to an internationally recognized system based on ISO 45001:2018 and ISO 14001:2018. With systematic and standardized risk management, the company is expected to establish a safer, healthier, and more sustainable working environment.

Keywords: HIRARC, risk control, ISO 45001:2018, occupational hazards, workplace safety.