

## ABSTRAK

### IDENTIFIKASI BAHAYA PADA PROSES *STAMPING* DENGAN METODE HIRARC DALAM MEMPERKECIL RISIKO KECELAKAAN KERJA DI PT. STAMPING

Oleh

ASKA SEPTIAN PUTRA ISROI

21416226201163

Program Studi Teknik Industri

Keselamatan dan kesehatan kerja (K3) merupakan faktor penting dalam upaya melindungi tenaga kerja dari potensi bahaya di lingkungan industri. Penelitian ini bertujuan untuk mengidentifikasi potensi bahaya, menilai tingkat risiko, serta menentukan langkah pengendalian pada aktivitas kerja di bagian stamping PT. Stamping. Metode penelitian yang digunakan adalah kualitatif dengan pendekatan deskriptif melalui penerapan *Hazard Identification, Risk Assessment, and Risk Control* (HIRARC). Hasil penelitian menunjukkan bahwa dari tujuh tahapan proses kerja yang dianalisis, ditemukan 11 potensi bahaya dengan tingkat risiko 55% kategori rendah, 36% sedang, dan 9% tinggi. Risiko tertinggi berasal dari aktivitas stamping yang berpotensi menimbulkan jari terjepit dies serta paparan kebisingan mesin. Rekomendasi pengendalian yang diajukan meliputi pemeriksaan rutin pada instalasi listrik, pemasangan rambu peringatan di area berbahaya, penegakan disiplin penggunaan alat pelindung diri (APD), pelatihan manual handling, serta pengendalian kebisingan dengan penggunaan earplug atau earmuff. Implementasi pengendalian secara konsisten dan evaluasi berkelanjutan diharapkan dapat menekan angka kecelakaan kerja dan meningkatkan produktivitas.

**Kata Kunci:** Keselamatan Kerja, Proses Stamping, Risiko Kecelakaan, HIRARC.

## ABSTRACT

### ***HAZARD IDENTIFICATION IN THE STAMPING PROCESS USING THE HIRARC METHOD TO REDUCE THE RISK OF WORKPLACE ACCIDENTS AT PT. STAMPING***

By

***ASKA SEPTIAN PUTRA ISROI***

***21416226201163***

***Industrial Engineering Program***

*Occupational Health and Safety (OHS) is a crucial factor in protecting workers from potential hazards in industrial environments. This study aims to identify potential hazards, assess risk levels, and determine appropriate control measures in stamping activities at PT. Stamping. The research employed a qualitative descriptive approach using the Hazard Identification, Risk Assessment, and Risk Control (HIRARC) method. The results revealed 11 potential hazards across seven stages of the stamping process, with 55% categorized as low risk, 36% as medium risk, and 9% as high risk. The highest risks were associated with stamping activities, particularly finger entrapment in dies and exposure to excessive machine noise. Recommended control measures include routine inspections of electrical installations, installation of warning signs in hazardous areas, strict enforcement of personal protective equipment (PPE) use, manual handling training, and noise control through the use of earplugs or earmuffs. Consistent implementation of these measures, accompanied by continuous evaluation, is expected to reduce workplace accidents and enhance productivity.*

***Keywords:*** Workplace Safety, Stamping Process, Risk Assessment, HIRARC.

