

## ABSTRAK

Kementerian Kesehatan RI  
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**ANALISIS RISIKO KESELAMATAN KERJA DENGAN METODE  
HIRARC (Studi Pada Area Produksi Bagian *Assembly* PT. Panasonic Gobel  
Eco Solutions Manufacturing Indonesia Tahun 2018)**

vii + 52 Halaman + 8 Tabel + 3 Gambar + 4 Lampiran

Tempat kerja selalu memiliki risiko terjadinya bahaya yang dapat mempengaruhi kesehatan tenaga kerja. Besarnya risiko yang terjadi tergantung dari teknologi, jenis industri, dan upaya pengendalian. Kejadian kecelakaan kerja disebabkan oleh faktor *unsafe act* dan *unsafe condition*. Penelitian ini bertujuan untuk menganalisis risiko keselamatan kerja pada area produksi bagian *assembly* dengan menggunakan metode *Hazard Identification, Risk Assessment, and Risk Control* (HIRARC).

Penelitian ini bersifat deskriptif. Objek dalam penelitian ini adalah area produksi bagian *assembly*. Pengumpulan data dilakukan dengan observasi, wawancara, dan penilaian.

Hasil penelitian menunjukkan risiko keselamatan kerja di bagian *assembly* termasuk dalam kriteria sedang karena terdapat 6 bahaya yang menimbulkan terjadinya kecelakaan kerja. Identifikasi risiko termasuk dalam kriteria sedang karena menimbulkan 2 dampak risiko yaitu risiko langsung pada keselamatan dan risiko jangka panjang. Penilaian risiko termasuk dalam kriteria risiko tinggi. Upaya pengendalian yang dilakukan termasuk dalam kriteria cukup baik karena terdapat pengendalian administratif, pengendalian teknik, dan alat pelindung diri.

Kesimpulan analisis risiko keselamatan kerja dengan metode HIRARC termasuk dalam kriteria sedang. Saran yang diberikan bagi industri adalah membentuk struktur organisasi K3, memperhatikan area yang berisiko kecelakaan tinggi dan melakukan pengadaan APD lengkap.

Kata kunci : Keselamatan Kerja, Bahaya, HIRARC

Daftar bacaan : 9 Buku dan 5 Jurnal (1970 – 2015)

## ABSTRACT

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### OCCUPATIONAL SAFETY RISK ANALYSIS USING HIRARC METHOD (A Study of Production Area Department Assembly PT. Panasonic Gobel Eco Solutions Manufacturing Indonesia Year 2018)

vii + 52 Pages + 8 Tables + 3 Images+ 4 Attachments

Workspace always has risks in terms of hazards that can affecting the health of workers. The magnitude of hazard depends on the technology, the type of industry, and hazard control efforts. Workplace accidents and incidents caused by factors of unsafe act and unsafe condition. This research aimed to analyze the occupational safety risk in production area department assembly using Hazard Identification, Risk Assessment, and Risk Control (HIRARC) method.

This research is descriptive. The object of this research is production area department assembly. Data collection was conducted using observation, interview, and assessment.

Result of the study showed the occupational safety risk in production area department assembly considered as average because there was 6 hazards that could cause workplace accidents and incidents. Risk identification was also considered as average because it could causes 2 risk impacts, which are direct risk to safety and long term risk. Risk assessment, however, considered in a high risk. Control effort that has been applied considered as good because there was administrative controls, technical controls, and personal protective equipment (PPE).

In conclusion, occupational safety risk analysis using HIRARC method of the company is considered as average. Advice given to the industry is to make an Occupational Safety and Health (OHS) organizational structure, pay attention to areas that have a high risk of hazard, and have a Personal Protective Equipment (PPE) procurement.

Keywords : Occupational Safety, Hazard, HIRARC

Reading List : 9 books + 5 journals (1970 - 2015)