

**ANALISIS POTENSI BAHAYA PADA PROSES PRODUKSI KAYU DI PT.
CAHAYA NIAGA CITRA PERSADA GRESIK MENGGUNAKAN
METODE HAZARD IDENTIFICATION RISK ASSESSMENT AND RISK
CONTROL (HIRARC)**

Nama : Muhammad Hafizh Akmal
NIM : 2011810021
Pembimbing : Izzati Winda Murti, S.T., M.T.

ABSTRAK

Proses produksi suatu perusahaan memerlukan beberapa unsur pendukung, antara lain manusia, bahan baku, mesin, metode, uang. Manusia memainkan peran paling penting dalam proses produksi yang disebut pekerja, pekerja adalah bagian yang paling mempengaruhi kualitas produk. Sebelum memulai suatu kegiatan, kajian analisis risiko harus dilakukan untuk menentukan luas dan besarnya potensi bahaya yang terjadi dalam kegiatan tersebut. Oleh karenanya, penilaian risiko perlu dilakukan. PT. Cahaya Niaga Citra Persada merupakan industri yang bergerak di bidang pengolahan kayu yang berlokasi di Gresik, Jawa Timur. Potensi bahaya yang ada banyak disebabkan oleh peralatan yang telah digunakan tidak dikembalikan ke tempat semula, tumpukan kayu dan serbuk gergaji yang berserakan di sekitar produksi, lantai bergelombang yang sebagian dicor tetapi sebagian masih berupa tanah liat. Oleh karena itu dilakukan analisis potensi bahaya menggunakan metode *Hazard Identification Risk Assessment And Risk Control (HIRARC)*. Setelah dilakukan identifikasi bahaya didapatkan 25 risiko bahaya dari 5 aktivitas pada proses produksi di PT. Cahaya Niaga Citra Persada. Setelah identifikasi tersebut dilakukan penilaian risiko yang dilakukan di PT. Cahaya Niaga CitraPersada didapatkan nilai terendah bernilai 6 yang tergolong pada risiko Rendah – Sedang dengan presentase 44%. Sedangkan risiko dengan nilai tertinggi bernilai 12 yang tergolong pada risiko Sedang Tinggi dengan presentase 56%. Setelah dilakukan identifikasi dan penilaian risiko, selanjutnya didapatkan pengendalian risiko yang dapat diterapkan antara lain penggunaan Alat Pelindung Diri (APD), dan Administrasi.

Kata Kunci: HIRARC, Potensi Bahaya, Produksi

**ANALYSIS OF POTENTIAL HAZARDS IN THE WOOD PRODUCTION
PROCESS AT PT. CAHAYA NIAGA CITRA PERSADA GRESIK USING
HAZARD IDENTIFICATION RISK ASSESSMENT AND RISK CONTROL
(HIRARC) METHOD**

Name : Muhammad Hafizh Akmal
Student ID Number : 2011810021
Advisor : Izzati Winda Murti, S.T., M.T.

ABSTRACT

The production process of a company requires several supporting elements, including humans, raw materials, machines, methods, money. Humans play the most important role in the production process called workers, workers are the part that most influences product quality. Before starting an activity, a risk analysis study must be carried out to determine the extent and magnitude of the potential hazards that occur in the activity. Therefore, a risk assessment needs to be done. PT. Cahaya Niaga Citra Persada is an industry engaged in wood processing located in Gresik, East Java. Many of the potential hazards are caused by equipment that has been used not being returned to its original location, piles of wood and sawdust scattered around production, corrugated floors which are partly cast but some are still made of clay. Therefore, an analysis of potential hazards was carried out using the Hazard Identification Risk Assessment And Risk Control (HIRARC) method. After hazard identification, 25 hazard risks were obtained from 5 activities in the production process at PT. Citra Persada Commercial Light. After this identification, a risk assessment was carried out at PT. Cahaya Niaga Citra Persada obtained the lowest score of 6 which is classified as Low – Moderate with presentation 44% risk. While the risk with the highest value is 12 which is classified as Medium High with presentation 56% risk. After identification and risk assessment, risk control can be obtained which can be applied, including the use of Personal Protective Equipment (PPE), and Administration.

Keyword : HIRARC, Hazard Potential, Production