



**UNIVERSITAS ANDALAS**

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**ANALISIS RISIKO PEKERJAAN PADA PROSES PENGOLAHAN KAYU**

**DENGAN MENGGUNAKAN METODE HIRARC**

**DI CV KAHWA JAYA SAW MILL JAMBI**

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DENGAN MENGGUNAKAN METOD HIRARC DI CV KAHWA JAYA SAW  
MILL JAMBI TAHUN 2022**

xiii + 102 halaman, 24 tabel, 7 gambar, 13 lampiran

**ABSTRAK**

**Tujuan Penelitian**

Proses pengolahan kayu menggunakan beberapa mesin dalam proses pekerjaannya. Terdapat bahaya dari mesin *bandsaw* dan kondisi lingkungan kerja di CV Kahwa Jaya Saw Mill. Penelitian ini bertujuan untuk menganalisis risiko pekerjaan pengolahan kayu di CV Kahwa Jaya Saw Mill tahun 2022.

**Metode**

Penelitian ini merupakan penelitian kualitatif dengan menggunakan metode HIRARC. Teknik yang digunakan dalam pengumpulan data dengan melakukan wawancara, dan observasi lapangan. Informan yang dipilih sebanyak 10 orang menggunakan teknik *purposive sampling*. Pemeriksaan keabsahan data dalam penelitian ini menggunakan teknik triangulasi sumber dan metode. Analisis data menggunakan *risk matrix* untuk mengetahui tingkat risiko.

**Hasil**

Berdasarkan hasil identifikasi bahaya didapatkan 5 sumber bahaya pada penurunan kayu, 5 sumber bahaya pada penggergajian kayu, 3 sumberbahaya padapengasahan gergaji pita, 5 sumber bahaya padapengangkutan kayu gergajian. Bahaya tersebut berasal dari truk, kayu log, gancu kayu, potongan kayu kecil, kebisingan yang ditimbulkan dari mesin *bandsaw*, gergaji pita, debu kayu, lori besar, lori kecil, mesin pengasahan, mesin las. Penilaian risiko pada proses pengolahan kayu didapatkan 37 risiko terdiri dari 3 risiko ekstrim, 8 risiko tinggi, 21risiko sedang, 5risiko rendah.

**Kesimpulan**

Terdapat 17 sumber bahaya dan 37 risiko pada proses pengolahan kayu. Penilaian risiko di setiap proses pekerjaan pengolahan kayu pada umumnya berisiko sedang. Disarankan kepada industri untuk melengkapi APD pada setiap pekerjaan danmelakukan pemantauan rutin terhadap pekerja untuk melihat kepatuhan penggunaan APD.

**Daftar Pustaka** : 56 (1970-2023)

**Kata Kunci** : Analisis Risiko, HIRARC, Pengolahan Kayu

**FACULTY OF PUBLIC HEALTH  
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**JOB RISK ANALYSIS ON WOOD PROCESSING USING HIRARC  
METHOD AT CVKAHWA JAYA SAWMILL JAMBI 2022**

**xiii+ 102 pages, 24 tables, 7 pictures, 13 appendices**

**ABSTRACT**

**Objective**

There are several machines that are used in wood processing, one of them is bandsaw machine. However, some dangers were found in using bandsaw machine in sawmill working condition in CV Kahwa Jaya Saw Mill. This research was conducted to analyse the job risk on wood processing at CV Kahwa Jaya Sawmill in 2022.

**Method**

This research was qualitative research, using HIRARC method. The researcher used interview and field observation in collecting the data of the research. 10 informants were chosen using purposive sampling technique. Source and Method Triangulation was also applied in checking data reliabilities of the research, and Risk Matrix was utilized in analyzing the data.

**Result**

Based on the data, there were 5 sources of danger while unloading the wood, 5 sources of danger while cutting the wood, 3 sources of danger while sharpening the bandsaw and 5 sources of danger while loading the sawn wood. The sources of danger came from trucks, logs, wooden poles and small sawn woods, whereas noises found in the work area were produced by bandsaws, wood dust, big and small lorries, grinding machine and welding machine. The researcher found 37 risks on wood processing, 3 of them were extreme risks, 8 high risks, 21 medium risks and 5 low risks.

**Conclusion**

The researcher found 17 sources of danger 37 risks on wood processing, and the risk analysis in every process of wood processing was considered as medium risks. It is recommended to the wood industry to fully provide Personal Protective Equipment in every working process and to do inspection towards workers to see workers' obedient in using Personal Protective Equipment.

**References** : 56 (1970-2023)

**Keywords** : Risk Analysis, HIRARC, Wood Processing