

ABSTRACT

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“APPLICATION OF *JOB SAFETY ANALYSIS* AT PLTU TANJUNG AWAR-AWAR TUBAN IN 2021.”

xv + 74 pages + 1 Figure + 6 Tables +13 Attachments

Work accidents in 2018 were as follows: 8 people were lightly injured, 4 people were seriously injured, 1 person died and resulted in a loss of RP. 3,609,400,000. The results of Root Cause Problem Solving (RCPS) show that the causes of work accidents at PLTU Tanjung Awar-Awar are inappropriate use of PPE, use of non-standard machines and equipment, and unclear work orders. The purpose of the study was to determine the application of job safety analysis to workers at PLTU Tanjung Awar-awar Tuban in 2021.

This type of research is descriptive by using a cross sectional approach. The population in this study amounted to 81 people and a sample of 45 people with a sampling technique using simple random sampling. Data were collected through questionnaires, interviews, and secondary data obtained from official documents belonging to PLTU Tanjung Awar-awar Tuban. Data analysis in this study is through data collected, completed, processed and compiled then tabulated or displayed in tabular form and narrated to explain the variables studied and then analyzed descriptively.

The results of this study indicate that the assessment of job selection obtained results of 88.9% stating that the job selection was in accordance with the K3 policy. Assessment of the breakdown of work stages 84.4% stated that the work stage was good, workers carried out stages of work in accordance with SOP and work instructions. Hazard assessment of 77.8% hazard identification on the boiler part has been implemented, so that it can easily identify hazards. Assessment of hazard control carried out 82.2% hazard control efforts.

The conclusion of this study is that PT. PJB Tanjung Awar-awar has made a policy in the application of job safety analysis, where the policy has been implemented and there has been a decrease in the number of work accidents. It is recommended to maximize socialization or guidance regarding the importance of implementing K3 to reduce the number of accidents in the workplace.

Keywords : Application, *Job Safety Analysis (JSA)*, PLTU

Reading List : 12 books (2003-2020)

ABSTRAK

Dwi Haslinda Rohmini

“PENERAPAN *JOB SAFETY ANALYSIS* DI PLTU TANJUNG AWAR-AWAR TUBAN TAHUN 2021.”

xiv + 77 halaman + 1 Gambar + 6 Tabel +13 Lampiran

Kecelakaan kerja pada tahun 2018 terdapat sebagai berikut korban luka ringan 8 orang, 4 orang luka berat, 1 orang meninggal dunia dan mengakibatkan kerugian sebesar RP. 3.609.400.000. Hasil *Root Cause Problem Solving* (RCPS) bahwa penyebab terjadinya kecelakaan kerja di PLTU Tanjung awar-awar adalah penggunaan APD yang tidak sesuai, penggunaan mesin dan peralatan tidak standar, dan perintah kerja yang tidak jelas. Tujuan penelitian ialah mengetahui penerapan *job safety analysis* pada pekerja di PLTU Tanjung Awar-awar Tuban tahun 2021.

Jenis penelitian ini adalah bersifat deskriptif dengan menggunakan pendekatan *cross sectional*. Populasi dalam penelitian ini berjumlah 81 orang dan sampel berjumlah 45 orang dengan teknik sampling menggunakan *simple random sampling*. Data dikumpulkan melalui penyebaran kuesioner, wawancara, dan data sekunder yang diperoleh dari dokumen resmi milik PLTU Tanjung Awar-awar Tuban. Analisis data dalam penelitian ini adalah melalui data yang terkumpul, dilengkapi, diolah dan disusun kemudian ditabulasi atau ditampilkan dalam bentuk tabel serta dinarasikan untuk menjelaskan variabel yang diteliti kemudian dianalisis secara deskriptif.

Hasil penelitian ini menunjukkan penilaian pemilihan pekerjaan diperoleh hasil 88,9% menyatakan pemilihan pekerjaan sesuai kebijakan K3. Penilaian penguraian tahapan pekerjaan 84,4% menyatakan tahap pekerjaan baik, pekerja melakukan tahapan pekerjaan sesuai dengan SOP dan *work instruction*. Penilaian potensi bahaya 77,8% identifikasi bahaya pada bagian boiler telah diterapkan, sehingga dapat mudah mengidentifikasi bahaya. Penilaian pengendalian bahaya dilakukan upaya pengendalian bahaya 82,2% .

Kesimpulan penelitian ini bahwa PT.PJB Tanjung Awar-awar telah membuat suatu kebijakan dalam penerapan *job safety analysis*, dimana kebijakan tersebut telah terlaksana dan terjadi penurunan angka kecelakaan kerja. Disarankan memaksimalkan sosialisasi atau pengarahan mengenai pentingnya penerapan K3 untuk mengurangi angka kecelakaan di tempat kerja.

Kata Kunci : Penerapan, *Job Safety Analysis* (JSA), PLTU
Daftar Bacaan : 12 buku (2003-2020)