

GAMBARAN PAPARAN INTENSITAS KEBISINGAN DAN KELUHAN SUBJEKTIF PEKERJA DI PT ADI SATRIA ABADI TAHUN 2025

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INTISARI

Latar Belakang : Berdasarkan studi pendahuluan yang dilakukan di PT Adi Satria Abadi didapatkan hasil intensitas kebisingan yang lumayan tinggi dan beberapa keluhan subjektif dari pekerja. Kebisingan adalah bunyi yang tidak diinginkan dan memiliki dampak bagi kesehatan lingkungan. Kebisingan dapat mengakibatkan keluhan subjektif pekerja.

Tujuan : Tujuan penelitian ini untuk mengetahui dan mengkaji terkait paparan intensitas kebisingan terhadap keluhan subjektif pekerja di PT Adi Satria Abadi Tahun 2025.

Metode : Jenis penelitian ini adalah survei deskriptif. Penelitian ini dilakukan pada Januari 2025. Pengukuran tingkat kebisingan dilakukan di 5 ruang menggunakan alat *Sound Level Meter (SLM)*. Populasi penelitian ini adalah sebagian pekerja di PT Adi Satria Abadi yang berjumlah 92 orang . Sampel penelitian ini yaitu pekerja berjumlah 30 orang.

Hasil : Aktivitas mesin merupakan salah satu sumber kebisingan. Hasil pengukuran kebisingan di 5 ruang didapatkan hasil rata-rata kebisingan ruang teknik 79,94 dB (A), ruang *Shaving* 82,7 dB (A), ruang *milling* 88,3 dB (A), ruang *stacking* 89,6 dB (A), *enzyn setter* 90,4 dB (A). Lalu pada pengisian kuesioner keluhan subjektif pekerja didapatkan hasil rata-rata dengan kriteria sedang yaitu 19 orang dengan presentase 63,4%.

Kesimpulan : Rata-rata kebisingan 5 ruang yaitu ruang teknik 79,94 dB (A), ruang *shaving* 82,7 dB (A), ruang *milling* 88,3 dB (A), ruang *stacking* 89,6 dB (A), *enzyn setter* 90,4 dB (A). Keluhan subjektif pekerja dengan kriteria sedang yaitu 19 orang dengan presentase 63,4%. Tingkat kebisingan di PT Adi Satria Abadi masih melebihi baku mutu yang telah ditetapkan. Kebisingan yang melebihi baku mutu tersebut memberi dampak terhadap keluhan subjektif pekerja.

Kata kunci : Kebisingan industri, Keluhan subjektif pekerja.

DESCRIPTION OF EXPOSURE TO NOISE INTENSITY AND SUBJECTIVE COMPLAINTS OF WORKERS AT PT ADI SATRIA ABADI IN 2025

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ABSTRACT

Background : Based on the preliminary study conducted at PT Adi Satria Abadi, it was found that the noise intensity is quite high and some subjective complaints from workers. Noise is a sound that is unwanted and has an impact on environmental health. Noise can cause subjective complaints from workers.

Objective : The purpose of this study is to determine and examine the exposure of noise intensity to subjective complaints of workers at PT Adi Satria Abadi in 2025.

Methods : This type of research is descriptive survey. This research was conducted in January 2025. Measurement of noise level was done in 5 rooms using Sound Level Meter (SLM). The population of this study were some workers at PT Adi Satria Abadi, totaling 92 people. The sample of this research is 30 workers.

Results : Machine activity is one of the noise sources. The results of noise measurements in 5 rooms obtained the average noise of the engineering room 79.94 dB (A), Shaving room 82.7 dB (A), milling room 88.3 dB (A), stacking room 89.6 dB (A), enzyn setter 90.4 dB (A). Then in filling out the questionnaire of subjective complaints of workers, the average results were obtained with moderate criteria, namely 19 people with a percentage of 63.4%.

Conclusion : The average noise of 5 rooms, namely the engineering room 79.94 dB (A), shaving room 82.7 dB (A), milling room 88.3 dB (A), stacking room 89.6 dB (A), enzyn setter 90.4 dB (A). Subjective complaints of workers with moderate criteria are 19 people with a percentage of 63.4%. The noise level at PT Adi Satria Abadi still exceeds the quality standard that has been set. Noise that exceeds the quality standard has an impact on workers' subjective complaints.

Keywords: Noise industry, subjective complaints of workers.