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ANALISA KADAR LOGAM BERAT TIMBAL (Pb) PADA RAMBUT KARYAWAN STASIUN PENGISIAN BAHAN BAKAR UMUM

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ABSTRAK

Pendahuluan : Pertambahan sarana transportasi memang memberikan dampak positif, namun ternyata juga memberikan dampak negatif karena dapat menurunkan kualitas lingkungan, salah satunya terjadi karena adanya emisi gas buang dari kendaraan berbahan bakar yang mengandung timbal (Pb) sedangkan para karyawan SPBU memiliki lingkungan kerja ditempat tersebut. Tujuan penelitian ini adalah untuk mengetahui kadar timbal (Pb) pada rambut karyawan SPBU. **Metode penelitian :** Menggunakan data sekunder dari beberapa jurnal baik internasional maupun nasional dimana terdapat desain penelitian diantaranya *True Experimental, Quasi Experimental, Cross-sectional, dan Deskriptif* dengan menggunakan teknik *Simple Random Sampling*. **Hasil :** Beberapa jurnal penelitian sebelumnya menunjukkan bahwa lama masa kerja karyawan dapat mempengaruhi tingkat kadar timbal (Pb). **Kesimpulan :** Hasil Penelitian menunjukkan bahwa kadar timbal (Pb) pada rambut karyawan SPBU lebih dari normal yaitu rata-rata 0,817 sedangkan ambang batas normal 0,007. **Saran :** Kadar timbal (Pb) pada rambut karyawan SPBU tidak normal, salah satu cara yang tepat yaitu menggunakan APD selama beraktivitas di tempat kerja.

Kata Kunci : Rambut, Stasiun Pengisian Bahan Bakar Umum (SPBU), Timbal (Pb)

ANALYSIS OF LEAD WEIGHT METAL (Pb) ON EMPLOYEE HAIR IN GENERAL FUELLING STATION

ABSTRACT

Introduction : The addition of means of transportation does have a positive impact, but in fact it also has a negative impact because it can reduce environmental quality, one of which occurs due to the emission of exhaust gases from vehicles fueled with lead (Pb) while the SPBU employees have a working environment in that place. The purpose of this study was to determine the level of lead (Pb) in the hair of SPBU employees. **Research Method :** Uses secondary data from several journals both international and national where there are research designs including *True Experimental, Quasi Experimental, Cross-sectional, and Descriptive* using the *Simple Random Sampling* technique. **Results :** Several previous research journals shows that the length of employee tenure can affect the level of lead (Pb). **Conclusions :** Research result showed that the level of lead (Pb) in the hair of SPBU employees was more than normal, namely an average of 0.817 while the normal threshold was 0.007. **Suggestion :** level of lead (Pb) in the hair of gas station employees is not normal, one of the right ways is to use PPE during activities at work.

Key words: Hair, Employees Of Public Fuel Filling Stations (SPBU), Lead (Pb)

PENDAHULUAN

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