

GAMBARAN LAJU ENDAP DARAH PADA PEKERJA STASIUN PENGISIAN BAHAN BAKAR UMUM (SPBU)

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ABSTRAK

Pekerja SPBU merupakan pekerja yang memiliki risiko paparan bahan kimia timbal yang berasal dari bensin dan emisi gas buangan kendaraan bermotor. Paparan timbal secara terus-menerus menyebabkan kerusakan pada membran serta memperpendek umur eritrosit yang berakibat pada penurunan jumlah dan volume eritrosit. Turunnya jumlah eritrosit mengakibatkan naiknya nilai Laju endap darah. Tujuan penelitian ini adalah untuk mengetahui gambaran kadar laju endap darah pada pekerja SPBU dengan tinjauan terhadap masa kerja dan penggunaan APD.

Jenis penelitian adalah penelitian deskriptif. Penelitian dilakukan dengan metode survey dan pemeriksaan laboratorium dengan 20 sampel yang di peroleh dari pekerja SPBU Gayamsari secara total populasi.

Berdasarkan pemeriksaan nilai laju endap darah terhadap pekerja SPBU Gayamsari sebanyak 20 orang, didapatkan 7 orang (35%) dengan nilai laju endap darah normal dan 13 orang (65%) nilai laju endap darah diatas nilai rujukan.

Kata Kunci : Pekerja SPBU, Eritrosit, LED

ERYTHROCYTES SEDIMENTATION RATE DESCRIPTION ON GAS STATION ATTENDANT

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ABSTRACT

Gas station attendant is a worker who gets the lead chemical exposure which is from the gasoline and vehicle exhaust. Continuous lead exposure will cause the cell membrane damage as well as the erythrocytes life is shorten, those will affect not only reducing the number of erythrocytes but also the volume. The decline in the amount of erythrocytes can trigger the rise of erythrocytes sedimentation rate values. The purpose of research is to know the erythrocytes sedimentation rate description on gas station attendant through the worker's working life and Personal Protective Equipment (PPE) observation.

This research is descriptive research. The research is done by survey method and laboratory examination with 20 specimens obtained from the Gayamsari gas station attendant in total population.

Based on erythrocytes sedimentation rate values' examination on 20 workers of Gayamsari's gas station, there are 7 workers (35%) with normal erythrocytes sedimentation rate and 13 workers (65%) erythrocytes sedimentation rate above the reference range.

Keywords: Gas Station Attendant, Erythrocytes, ESR