Hubungan Masa Kerja dengan Kandungan Karboksihemoglobin (COHb) dalam Darah Polisi Lalulintas di Jalan Slamet Riyadi Surakarta

The Association Between Years of Employment and Concentration Of Carboxyhemoglobin (COHb) Among Traffic Policemen at Slamet Riyadi Road Surakarta

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ABSTRACT

Background: This study aimed to determine the correlation between duration of work and blood COHb level among traffic policemen at Slamet Riyadi Street Surakarta.

Methods: It was a cross sectional study with a sample of 32 the policemen on duty at the police stations at Slamet Riyadi Street. The sample was selected by purposive sampling.

Results: The result showed that 1 – 5 years duration of work tended to increase blood COHb from 1.5 to 4.6 ppm. Duration of work was strongly correlated with blood COHb (r = 0.8; p < 0.001).

Conclusion: Duration of work is strongly correlated with blood COHb level among traffic policemen, and is statistically significant. Jurnal Kedokteran Indonesia: 1 (1):76-82

Keywords: CO, COHb, traffic police