

Analisis sindrom metabolik pada pekerja PT. Jasa Marga Jakarta-Cikampek terkait paparan debu jalan tol = Analysis of metabolic syndrome workers in PT Jasa Marga Jakarta-Cikampek toll road related dust exposure / Nita Irmasari

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Abstrak

**ABSTRAK**

Pekerja loket tol mempunyai risiko terpapar debu, khususnya PM2.5 yang dapat berakibat pada sindrom metabolik tubuh. Penelitian ini membandingkan antara pekerja loket tol dengan pekerja office terkait adanya sindrom metabolik yang diukur melalui tekanan darah, profil lipid (LDL, HDL, trigliseride, dan kolesterol total) dan Indeks Massa tubuh (IMT). Hasil penelitian ditemukan adanya perbedaan rata-rata nilai tekanan darah distolik (Pvalue 0,470), kadar LDL kolesterol (Pvalue 0,349), kadar HDL kolesterol (Pvalue 0,336), Trigliseride (Pvalue 0,023), dan Kolesterol Total(Pvalue 0,142), dimana pekerja office (kelompok kontrol) mempunyai nilai lebih tinggi dibandingkan pekerja loket tol (kelompok terpapar).

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**ABSTRACT**

Toll booth workers had risk of dust exposure, especially PM2.5 which can affect metabolic syndrome in the body. This study compared the toll booth worker to office worker related to the metabolic syndrome as measured by blood pressure, lipid profile (LDL, HDL, trigliseride, and total cholesterol) and Body Mass Index (BMI). Results reveal the different mean values for diastolic blood pressure (Pvalue 0,470), LDL cholesterol (Pvalue 0,349), HDL cholesterol (Pvalue 0,336), triglyceride (Pvalue 0,023), and total cholesterol (Pvalue 0,142), which is office workers (control group) has a higher value than the toll booth workers (exposed group).