

## INTISARI

**Arnold Kalikit Mana. 2015. Perbandingan Kadar Karboksihemoglobin dalam Darah Antara Tukang Parkir Terbuka (*Outdoor*) di Jalan Slamet Riyadi Surakarta dengan Mahasiswa USB di Sekitar Kampus. Program Studi D-IV Analis Kesehatan Reguler, Fakultas Ilmu Kesehatan Universitas Setia Budi.**

Peningkatan penggunaan kendaraan bermotor telah banyak menimbulkan polusi udara berupa gas karbon monoksida (CO) yang sangat berbahaya bagi kesehatan, bahkan berdampak pada kematian. Penelitian ini bertujuan untuk mengetahui perbandingan kadar karboksihemoglobin dalam darah antara tukang parkir Terbuka (*outdoor*) di jalan Slamet Riyadi Surakarta dengan mahasiswa USB disekitar kampus.

Penelitian ini menggunakan jenis penelitian eksperimen. Penelitian dilaksanakan di laboratorium 2 Hematologi Universitas Setia Budi Surakarta. Pemeriksaan kadar Karboksihemoglobin (COHb) menggunakan prinsip spektrofotometri. Sumber data adalah Tukang Parkir Terbuka (*outdoor*) yang merokok dan tidak memakai masker saat bekerja dengan mahasiwa USB disekitar kampus yang saat bekerja atau beraktivitas tidak menggunakan masker. Teknik analisis data menggunakan uji *Student t-test*.

Berdasarkan hasil penelitian diperoleh hasil uji *paired t-test* sebesar 0,000, jadi  $(p) < 0,05$ . Dapat disimpulkan bahwa ada perbedaan bermakna kadar COHb dalam darah antara tukang parkir terbuka (*outdoor*) di jalan slamet Riyadi Surakarta dengan mahasiswa USB disekitar kampus.

**Kata kunci :** Karbon Monoksida, Kendaraan Bermotor, Karboksihemoglobin, Tukang Parkir Terbuka (*outdoor*), Mahasiswa USB

## ABSTRACT

**Arnold Kalikit Mana. 2015. *The Comparison of Carboxy Hemoglobin Levels in the Blood Between Outdoor Parking Man at Slamet Riyadi Road Surakarta with USB Students Around Campus*. D-IV Regular Health Analyst Study Program, Health Sciences Faculty of Setia Budi University.**

Increased use of motor vehicles has generated a lot of air pollution in form of carbon monoxide gas ( CO ) very dangerous for health , even impact on the death. This study was aimed to determine the ratio of carboxy hemoglobin level in the blood between outdoor parking men on Slamet Riyadi Road Surakarta with USB students around campus.

The research used experimental research. The research was conducted in the hematology laboratory of Setia Budi University Surakarta. The examination of carboxyhemoglobin (COHb) levels was done by using spectrophotometre principle. The data source is non-smoker and smoker outdoor parking men who do not wear a mask while working and USB students around campus. The technique of data analysis was done by using Student's t-test test.

Based on the test results obtained by paired t-test show sig 0.000, (p) <0.05. It can be concluded that there is a meaningful difference levels of COHb in the blood between outdoor parking men at Slamet Riyadi road Surakarta with USB students around campus.

**Keywords:**

Carbon Monoxide, Motor Vehicle, Carboxy, Outdoor parking man, USB Students