

ABSTRACT

On painting job, there is cadmium content which serve as dye materials in paint. When painting process happen, the cadmium will spread as the paint was sprayed. Therefore, car painting job should be improved about the dangers of cadmium because it could create disease caused by work. The aim of this research is to find the relation between workers characteristics, job characteristics, and cadmium concentrations in car painting workers urine at workshop X in Gowok, Kecamatan Depok, Kabupaten Sleman, D.I. Yogyakarta. This research used cross sectional about the factors which may be relate with the concentration of cadmium in workers urine, by using 5 people as samples. Univariate and bivariate analysis were performed. The result showed that there is cadmium existence in the paint used by the workshop for 0,1 mg/L. In addition, there are 2 variables that have significant relation with the amount of cadmium increase, those are: the nutritional status of workers (2,5%) and job period (2,5%).

Key words: Cadmium, Urine, Car Painting