

Perancangan Alat Uji Emisi Gas Buang Karbon Monoksida (CO) (*Equipment Design Exhaust Emission Test Carbon Monoxide (CO)*)

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ABSTRACT

This study aimed to compare the results of the emission test assemblies with the results of the emission test data to determine the results of the comparison reference levels of carbon monoxide gas in motor vehicles. The parameters tested which influence the amount of engine rotation (RPM) on a number of levels of exhaust emissions of carbon monoxide (CO). RPM is used, namely 1200, 1500, 2000, 2500, and 3000. The results of the test exhaust emissions of carbon monoxide average - average is at 1200 rpm rotation produce 1201 ppm at 1500 rpm rotation produce 1556 ppm at 2000 rpm rotation produce 1567 ppm, at 2500 rpm rotation produce 1633 ppm, at 3000 rpm rotation produce 1632 ppm. At low rpm exhaust emissions test results were, while the lap machine is the result of high exhaust gas emission test, while the high-rev engine exhaust emissions test results were. This is because at low RPM mixture of fuel and air slightly so low exhaust emissions, while at high RPM fuel and air mixture maximum resulting high exhaust emissions.

Keywords: Carbon monoxide, test equipment, flue gas emissions, Calibration