MONITORING DESIGN OF INLINE SKATE MOTORIZED SPEED USING DC BRUSHLESS MOTOR

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Abstract

With increasing years also accompanied with the increase of motor vehicles and the vehicles being increasingly are used to cause congestion that increasingly difficult to overcome. In addition to congestion, the impact of the use of motor vehicles and kendraan engine itself is air pollution harmful to human health. Therefore tercetuslah an idea to create a device called Inline Skate Motorized. By applying a Brushless DC Motor speed monitoring. At this speed monitoring using sensor LDR and LED. In the test on a motorized skate inline speed monitoring based brushless dc motors is done by using a tachometer with no load and no-load equipment. Then from no-load measurement results obtained by measurement error -9.733 rpm.

Keywords: Inline skate motorized, Monitoring, Sensor LDR, LED