

ABSTRACT

Air quality monitoring system is the measurement concept of air quality parameters of the gas contained accurately by displaying data on the proper interface. Monitoring system was needed as air quality indicator in certain room to avoid effect from substance or gases pollutant.

This final project did design and implementation of monitoring system that tested three conditions, so that can measure the quality of air in the room by the interface that created before as consideration to controlling process and futher steps.

This system was designed to sending and comparing data from microcontroller to PC. This censor that was used TGS2600 as general air quality monitor with linearity point, accuration 99.97%, precition 98.75% and error 0.021%. System had been implemented in perinatal room as testing room by using measurement's parameter from results of calculations.

Key words : *TGS2600, air, monitoring, microcontroller, Visual Basic.net*