“DESIGN BUILD SIMULATOR PROCESS BY MODE RATIO CONTROL BASED MICROCONTROLLER ATMega 8535”

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Abstract
At the final project was to design a process simulator tool with ratio control modes are implemented with the fluid flow in which fluid flow ratio is analogous to the opening valve. At the plant there is a process simulator ratio control valve in which the opening valve is driven by a motor DC, the plant simulator control the opening and closing of the valve where there will be a comparison between the open and close valve 1 to valve 2, then any feedback is sent to the controller in the form of sensor microcontroller which will be connected to visual basic to know how to open the valve closed. In Visual Basic there is a set point display will be changed in accordance with the desired change which when entered set point 10, it will drive the motor DC and open the opening valve is 10%. When valve 1 and valve 2 open aperture ratio will occur later what percentage of this process is a process that describes the ratio control.

Keywords: Ratio Control, Simulator Process and Microcontroller