DESIGNING COUNTER DOWN BASED BY MICROCONTROLLER WHICH ACTIVATED BY OUTPUT PROGRAMMABLE LOGIC CONTROLLER (PLC) S7-200 SIGNAL

Name : Masrifah
NRP : 2407 030 008
Department : Diploma of Instrumentation Engineering
Advisor Lecturer : Ir. Roony Dwi Noriyati, M.Kes

Abstract
Automatic traffic light system is still much that is not integrated with the system latch arrangement which has not adjusted the railway traffic conditions as the train will pass both under normal conditions. Therefore the design of an integrated regulatory system: traffic lights, seven segment, microcontroller, relays that will be connected to a programmable logic controller (PLC), Siemens S7-200 can overcome the adjustment of traffic light when the train will pass both under normal conditions. In this study then be made based on the design of micro-down counter that is activated by the output signal plc which will be integrated with the traffic light before output plc signed first connected to the relay. Which in this system there are two circumstances, where the condition of the railway dating and normal conditions.

Key words : Traffic light, Relays, Microcontroller, Seven segment