

***CONVEYOR DESIGN OF AUTOMATIC FRESH BEVERAGE
FILLING EQUIPMENT BASED ON PROGRAMMABLE LOGIC
CONTROLLER (PLC)***

Name Of Student : Romi Rahman
Student ID Number : 3204191265
Supervisor : Muharnis, ST., MT.

ABSTRACT

With the increasing progress of the times and the increasing number of human population in the world, it is very influential on the economy of society. The community is trying to increase income to improve the economy in various ways, including by developing community MSMEs (Micro, Small and Medium Enterprises) in various economic fields, one of which is by selling drinks or food. The effort to increase MSMEs is to create a tool that makes it easier for people to improve the economy. This tool uses a conveyor to make the seller's work easier, PLC Outseal as the main brain, proximity sensor as conveyor control and water pump, power supply to supply all tools. The working system of this tool is when the proximity sensor 1 reads there is an obstacle in the form of a drink cup, the conveyor will run, when the proximity sensor 2 reads there is an obstacle the conveyor will stop running and the pump motor will start and start filling water in the drink cup, after 9 seconds the cup drinks are filled and the conveyor starts running.

Keywords: drinks, tools, PLC, conveyors, sensors.