UNIVERSITAS INTERNASIONAL BATAM

DESIGNING AUTOMATIC BARTENDER MACHINE

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ABSTRACT

One of the drawbacks of a bartender mixing drinks is the potential inconsistencies due to human error. This study discussed the design of an automatic bartender machine that is able to mix drinks with precise measurements. The design of this machine used Arduino as the microcontroller while the actuator used a DC motor, servo motor, and electric water pump. The sensor used is a flowmeter sensor. With a certain mechanical design, from a number of source drinks containers at the top, the drink would flow to the stirring container, then to the shaker container, and finally to ready to serve glass.

Keywords: *Automatic Bartender, Arduino, Servo*