DESIGN AND BUILD AUTOMATIC LAUNDRY DEODORIZER FILLING INTO BOTTLE USING KEYPAD & FLOW SENSOR YF-S201 BASED ON ARDUINO UNO

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ABSTRACT

Perfume is much favored by various circles, one of which is laundry perfume. Laundry perfume has a wide range of scent variants, including fruity scents, floral scents, fruity floral scents, and woody scents. This laundry perfume is the final line in the laundry process. Currently customers receive laundry results with perfume scents selected randomly according to the availability of the laundry party, this is a problem because customers cannot choose laundry perfume scents according to their wishes. For this reason, it is necessary to design a Vending Machine (VM), this VM design uses the Finite State Automata (FSA) method with the Non-Deterministic Finite Automata (NFA) type, this method is used because it can accommodate more than one condition in one choice. The FSA type of NFA method is made with the stages of business process analysis, state diagrams, VM design and testing. The results of this study with the VM in the selection of clothes laundry perfume, it makes it easier for customers to be able to choose laundry perfumes so that customers get laundry results with the perfume scent of their choice.

Keywords: finite state automata, laundry perfume, vending machine