DESIGN ANDROID APPLICATION CONTROL-BASED SUGAR MIXTURE SYSTEM IN BEVERAGES WITH ESP8266 NODEMCU

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ABSTRACT

Sweet drinks can be harmful to health if consumed in excess. Excessive sugar consumption is associated with weight gain and the emergence of various diseases, such as type 2 diabetes, heart disease, and some types of cancer. Research shows that consumption of 2–6 glasses of sugary drinks per week can increase the risk of death by 6%, and consumption of 1–2 glasses of sugary drinks per day can increase the risk of death by 14%. For this reason, a sweet drink maker was made in which the sugar can be adjusted according to the need. In this research a sweet drink maker control system is designed with NodeMCU ESP8266, for control using an Android-based smartphone with WiFi technology. From the research results, it was found that the system functions according to the objectives that have been designed, where the overall success rate of the system is 80%.

Keywords: Sweet Drinks, NodeMCU ESP8266