ABSTRACT

Measuring the food ingredients is very important for making cakes. The weights which is circulated arround the people is still not efficient and takes a long time to measuring.

At this final project has created a tool of measuring of food ingredients that the system worked using weight sensors, where sensors detected the weight and issued in accordance with the desired weight. So that, the process of measuring of food ingredients using this tool would be more efficient.

This tool flexi-force sensor, mikrokontroler ATMega8535, LCD, power supply, keypad and stepper motors.

The tool that is made at this final project could only measure three different types of food with a total weight of 500 grams only, due to limitations of the sensor used. Accuracy of this tool is only achieved by 70% compared to other digital scales. For one hour usage the accuracy of system is 60%.

Key words: Sensor weight, Scales, Stepper Motor, Mikrokontroler