

ABSTRACT

Implementation of Embedded System technology in restaurant and culinary business is increasingly common. Starting from the payment model, service, and food processing. But rarely encountered Embedded System technology in sushi restaurant is used to help model sales kaitenzushi. Kaitenzushi is a fast-food sushi-selling model that puts sushi in small plates circulating with the help of a conveyor belt so that diners can pick up their own sushi dishes. Kaitenzushi payments generally use manual methods with calculations based on the amount, color, or motive of the empty dishes. The system is built by utilizing color sensors to aid the calculation and identification of food consumers take based on the color of the plate. When passing through this tool the color sensor will read the color of the plate and send the data to be processed and displayed on the GUI using the Visual Basic application so that the counting is not necessary manually.

Keywords: *Kaitenzushi, Color Sensor, Arduino, Visual Basic , Prototype.*