

ABSTRACT

Nariwi restaurant is one of the restaurants owned by Mrs. Hj. Dede Chodijah. Nariwi restaurant is located in Cijalingan Village, Cicantayan District, Sukabumi Regency, West Java. Nariwi restaurant is a restaurant that is always visited by public where the restaurant provides various types of interesting food and drinks for customers. In general, people want something instant as well as in ordering restaurant menus. However, when ordering food and beverage menus at Nariwi resto, they still use conventional way by making note from customer orders so that when many customers come to the restaurant at the same time, Nariwi resto has difficulty to record customer orders, so errors often occur in ordering by customers.

The restaurant menu ordering application system based on the Quick Response Code (QR-Code) in this final project will fix the problems that occur in ordering at Nariwi resto. In the ordering application, a unique QR-Code contains food and beverage menus, prices, ratings, chat features as well as to open sales recapitulation results for each month on the manager side and on the cashier side. This application not only can be access by the customer but can be access by the chef, cashier and also the manager by scanning the code to enter the restaurant menu page and other features available in the application. Customers can order food and drinks without having to wait for waiters who are busy serving other customers and reduce customer order errors. Using the Firebase database as well as the Reactnative framework.

The results of the functionality test show that all application functions can run properly and compatible by design. The results of the overall application development can run with appropriate data communication, both also accurate. For testing the QR-Code reading based on distance, each angle can be obtained in a rare range from 10cm – 135cm, with a range of angles, namely. $0^\circ - 45^\circ - 45^\circ$ to the left and $0^\circ - 45^\circ$ to the right. With this application, we expected that the restaurant can increase their quality when taking order and ease customer when ordering.

Keywords: *Application, Firebase, QR-Code, Reactnative*