

## **ABSTRACT**

Generally food order service that used all this time is conventional using waiter service to order food menu at a restaurant. Problem that will appear is the customer have to wait for a long time to order food that they wanted, if number of customers more than number of waiter. Therefore, a reliable support system at the restaurant is needed to make more effective and efficient.

In this final project had been realized a food order service with radio tranceiver transmission. This system consist of two part, they are customer part and cashier part. A customer part functioned to transmit food order information's from customer to cashier. A cashier part functioned to receive and proces data that transmitted by customer via radio tranceiver as media transmission, then display that data to the computer use Microsoft Visual Basic software. Hardware that realized was FSK modem with baud rate 1200 bps using IC TCM3105.

This final project had been analyzed about device performance, noise influence to data information at cashier part, so that data can be processed well.

*Keywords: Radio Transceiver, Modem, Visual Basic, Restaurant.*