

ABSTRACT

In recent years, we have seen many coffee shops everywhere with a service system that is almost the same as in every other coffee shop. There are also many coffee shops whose customer management is considered poor and it is possible that Ambeso Coffee Shop will also do the same thing. However, there are many ways that can be used to improve this, one of which is to implement a membership system for every customer who often visits the place.

With the design of a membership system using an E-KTP as a member card (tag id) where this system can be used other than as a form of identification of members, it can also be used as a transaction tool such as debitcard so that it not only facilitates data collection. and customer management also simplifies the transaction process.

Where based on the results of testing the functionality of the system using the RFID sensor, it can scan EKTP without any problems at all then if a member forgets to bring the EKTP, the fingerprint sensor backup authentication can be used without problems according to the finger registered on the system. Likewise for every function of adding and subtracting member balances.

Keywords: *E-KTP, Debit card, E-money, Python.*