

## ABSTRACT

The canteen the Faculty of Applied Science Telkom University is a means of supporting who located within the the Faculty of Applied Science .Technology development an increasingly rapidly urging the community to get the payment system that practical .In the canteen the Faculty of Applied Science payment made by means of cash , the payment system like this in feel less practical because the payment system like this requires buyers brought a number of money to do payment transaction .At the present time the community have had many switch to using a credit card that is considered too practical by the community , especially in Indonesia .

The payment system by using rfid ( radio frequency identification ) card and rfid ( radio frequency identification ) readers who has been equipped by radio frequency can be connected with a device raspberry pi already planning before.In order to help of buyers in perform the process of transactions in the canteen the Faculty of Applied.So the payment system chosen use rfid ( radio frequency identification ) this is because of technology rfid ( radio frequency identification it can support communication device close range, so that buyers just need to close rfid ( radio frequency identification ) card and rfid ( radio frequency identification ) readers which is found in cash.

On the project end of this in get me the results on testing functionality all feature of the transaction system drink in the canteen the Faculty of Applied can be concluded all features viable and serves as well as it should .In testing functionality instrument rfid cards can be read 100 % , and from the testing subjective from the buyer in the canteen the Faculty of Applied there data the level of satisfaction with the system a buyout using rfid ( radio frequency identification ) in the good , to overlay , satisfaction , and needs transactions also included into category good .

Keywords : RFID, Mini PC.