ABSTRACT

Pool Telkom University is facility sports located within the campus much used by residents and students. Technological development the payment system that more rapidly encourage people to get the payment system practical. In pool Telkom University payment made by means of cash, the payment system like this perceived less practical, because the system this payment requires visitors bring some money to do a payment transaction. They have started to use a credit card still are very practical by the majority of the especially in Indonesia.

The payment system using tags card is equipped with technology NFC *(Near Field Communication)* can connection with a device smartphone in order to help visitors the payment system practical safe. So the payment system chosen using NFC *(Near Field Communication)*, that technology NFC *(Near Field Communication)* can support communicate between device with close range, so that the visitors can just need to close second device when making payments without having to both cash.

On the project late obtained a result of testing functionality all feature of the system payment transaction that have been made, we can conclude that all features going well as it should be. And more tender subjective testing visitors pool Telkom University, obtained data to the level of satisfaction visitors with the transaction system ticket purchasing into good category, it also applies to the data from ease the system purchasing tickets, a transaction system purchasing tickets, and needs transaction system ticket purchasing into good category.

Keywords: *Near Field Communication* (NFC), *Smartphone, Tags Card*