

ABSTRACT

One of demand which must be faced by world service industry in common is create public service system to giving amenity in converting converts information, transaction, with level of high security and safety. This problem also can be met at any kind work environment of requiring factors like: high mobility, security of data, toughness to trouble, high stability and high performancies. Library is one of challenging service industries type mentioned above.

One of technology offering solution is RFID. RFID (Radio Frequency Identification) be technology compact wireless pre-eminent orthogonal transformation of world to commercial. As successor from barcode, RFID can do automatic control for many things. Systems RFID offers improvement of efficiency in operation of inventories, logistics and management of chain supply.

Intention of this final assignment is to make an library management by using RFID technology. Expected with this final assignment we could know how applicable RFID technology in library, how to work RFID and excellence of this technology compared to technology barcode used the existing.

Conclusions which can be taken from making of this final assignment is level of RFID reads, writings and identifications mistakes is 0% and delay system comparison between RFID and barcode is 1:6.