

Abstract

*This Final Project is compiled with the title "RFID Based Attendance Management System with Near Field Communication (NFC)" which is applied to the Al-Azhar Bina Insani Foundation, Bandung, West Java. The Foundation manages employ and administration data, payroll, and schedule management that is done manually using written attendance. Managing administrative data manually done raises a number of problems including the **difficulty of applying working hours disciplines**, and this system also allows employees to cheat by asking their colleagues to attend on behalf of others. As stated earlier, this Final Project is defined as follows: How to build an attendance management application that can read the identity and manage the attendance data of the Al-Azhar Foundation teacher/employee accurately, transparently and reliably. The method used by the author is the prototyping method. Where the purpose of prototyping is to allow developers and users to interact with each other during the system creation process. To get information, the author needs to do direct interviews, observation, and literature.*

The results of this design are complemented by the results of testing a set of attendance management systems in the form of an Android application integrated with RFID technology with NFC and Website Application Administrators to manage Foundation Administration data that can be utilized by Al-Azhar Bina Insani Foundation.

Keywords: Attendance, Near Field Communication (NFC), Prototyping, RFID