CHAPTER 1

INTRODUCTION

1.1 Background of Study

Attending a class is very important for all students. By attending a class, students get knowledge their interest also they can get additional score from the subject they attend. List of attendance is one of the proofs that students have been present in one of the subjects. With mark out the list of attendance, the student has considered to have come and do the subject.

But attendance system which is done with manually system sometimes cause errors and less practical. Other than that attendance system which is done with manually system need more employees for added all the data of students who attend the subject every day and need more time because this is must done every day.

To make it easier for all parties then author created a prototype system. Author created a “Prototype System for Student Attendance System Using QR Code”. On a research with the title “QR Code Based Smart Attendance System” written by Xiong Wei, Anupam Manori, Nandgopal Devnath, Nitin Pasi, and Vivek Kumar from Department of Information Science and Engineering, Henan University of Technology, Zhengzhou, Henan, China. They explained to use QR Code, student must enter the number of student for generate the QR Code and for adding a subject just fill the following field in the system and for exporting the overall attendance they are using CSV/XLS.
1.2 Statement of Problem

Based on that background there are some statement problem:

1. Not available the attendance application on Android.

2. Attendance always use papper and not environmentally friendly.

3. Data is not structured properly.

1.3 Objective

The purpose of this research is:

1. To apply the technology QR Code in prototype student attendance system.

2. For making time efficient for student and lecturer.

3. To make data structured properly.

1.4 Limitation and Scope

In order for the design and implementation of attendance system can be carried out as directed, the authors limit the issue through an attendance system functionality to be created. The functionality of this system that will be made includes:

1. This system is used only for student in NPIC

2. This system is a prototype.

3. This prototype system only runs on Android.

4. Not discuss about security in network or database server.

1.5 Implication

In the future benefits from this thesis are:

1. can make it easier for student to do attendance

2. the lecture can get student attendance data with arranged data

3. not need to use and throw a paper to do the attendance.