



ANDROID-BASED ONE WAY OFFICIAL ABSENCE MONITORING SYSTEM APPLICATION

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Abstract

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One Way Attendance Officer is currently still done manually, therefore the author designed an android-based application which of course will make it easier for users to do attendance online. honorary, absenteeism, attendance recap, and contact us as well as the honorary main menu section. This study uses qualitative methods to solve existing problems, resulting in a One Way Officer Attendance Profile Application in Dinas Perhubungan Kabupaten Kepulauan Meranti

Keywords: Attendance, One Way Officer, Android

INTRODUCTION

Android is one of the operating systems used today. Android-based smartphones really help users in carrying out various activities such as online shopping, communicating, and presentations that are so easy[1][2][3]. The advantage of Android is that it is Open Source Code, making it easier for developers to create and modify applications or features that do not yet exist on the Android operating system according to their own wishes. Absence is a form of recording attendance or attendance of a person or employee which is part of reporting from an institution which contains data on the status of attendance which is neatly arranged and arranged and easy to find, and used if at any time required by interested parties [4][5][6][7]. There are several types of

absences which are differentiated based on how they are used and the level of their usefulness. In general, the types of attendance are divided into two, namely manual attendance and non-manual attendance. The Department of Transportation has several problems including not having a digital-based information system to make it easier for non-PNS staff to view information about the Department of Transportation and Online Attendance, so far the Department of Transportation has only relied on manual attendance as a summary and attendance report for Non-PNS staff[8]. By using the E-Dishub application as the Implementation of One Way Attendance and Information Media at the Meranti Islands Regency Transportation Service, it is hoped that it can facilitate the delivery of information and attendance[9][10].

RESEARCH METHODS

The method used by the authors in this study is a qualitative research method. Qualitative research is research that is descriptive in nature and tends to use analysis. Process and meaning (subject perspective) are emphasized in qualitative research. The theoretical basis is used as a guide so that the research focus is in accordance with the facts in the field. In addition, this theoretical basis is also useful for providing an overview of the research setting and as material for discussing research results. There is a fundamental difference between the role of the theoretical basis in quantitative research and quantitative research. In quantitative research, research departs from theory to data, and ends with acceptance or rejection of the theory used; whereas in qualitative research the researcher departs from the data, utilizes existing theory as explanatory material, and ends with a theory.

RESULTS AND DISCUSSION

The following is an explanation regarding One Way Officer Absenteeism at the Meranti Islands Regency Transportation Service:

- a. The Field Coordinator (Korlap) shows the attendance barcode to the one way officer
- b. The One Way Officer scans the attendance QR
- c. After that, the Field Coordinator prints and submits an attendance recap report to the Traffic and Transportation Division (Traffic) and archives it
- d. Then the Traffic Division inputs and prints monthly attendance reports
- e. Then the monthly attendance report will be archived and delivered to the BKD Service (Regional Civil Service Agency) so that it can become a report from the Meranti Islands Regency Transportation Service.



Figure 1. Korlap Main Menu

In this application design the author displays the main menu. Where there are several features consisting of Honorary Data features, Employee Data, Attendance, Attendance Recap and Contact Us.

Nir	Tanggal	Status
1403041507911681	27/07/2022	Hadir

Figure 2. Absence Recap Menu

Absence Recap is a form for displaying or showing attendance recaps from one way officers.



Figure 3. Honorary Main Menu

Honorary Main Menu is a form for officers to take online attendance using a QR scan provided by field staff/coordinators

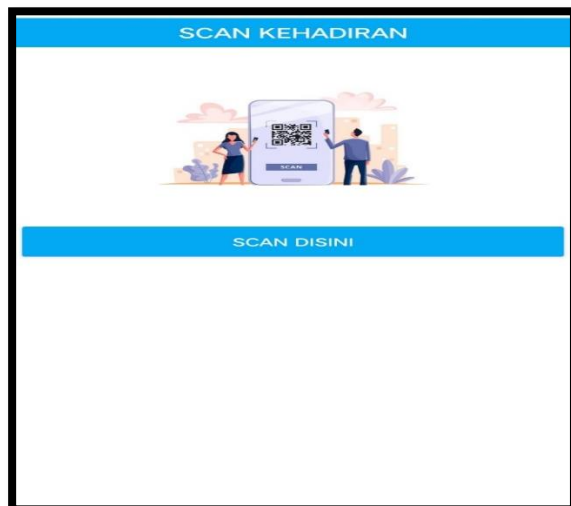


Figure 4. Scan QR Menu

The Scan QR menu is a barcode scan camera form that matches the data of honorary officers who perform online attendance

CONCLUSION

After seeing and directly observing the One Way Attendance system which is still ineffective, a hypothesis can be put forward that the One Way Attendance

Implementation system and Information Media for the Transportation Service use an Android Mobile application, which is designed and programmed in the Kodular programming language which will provide convenience in the process. a system for implementing attendance and information for the Department of Transportation so that it is able to provide attendance and information recaps effectively, efficiently and accurately.

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