PROCESSING OF THE PROCESSING INFORMATION SYSTEM POPULATION DATA IN KATURAHAN KATIAHAN WEBMOBILE BASED

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Abstract
Management of population administration data of related institutions plays an important role in the process of collecting population data that is relevant and can be a guide for an area that is related to the population census. In this case the population data system is one of the factors that influences population data in the area of Air Kati Village, Lubuklinggau Selatan I District, Lubuklinggau City. Air Kati Urban Village in conducting population data collection still uses manual methods, namely by visiting residents one by one to find out the number of each family head. If the data collection officer comes to a resident's house often experiences obstacles, there is no person or family head in the house. This has become an obstacle for officials in assessing population data to collect data quickly. Based on this observation the author's desire arises to create an information system that can help officers in population data collection in Air Kati village, Lubuklinggau Selatan I District, Lubuklinggau City. The purpose of this study is expected to process the management of population information systems in the data collection that is done quickly and effectively. With the web mobile based population information system design, it can facilitate the admin in inputting administrative data of the family head community in Air Kati Urban Village, reducing the time needed, reducing the possibility of errors in recording and speeding up the search process.

Keywords: Design, Information System, Populasi Data, Mysql

1.0 INTRODUCTION

Management of population administration data of related institutions plays an important role in the process of collecting population data that is relevant and can be a guide for an area that is related to the population census. In this case the population data system is one of the factors that influences population data in the area of Air Kati Village, Lubuklinggau Selatan I District, Lubuklinggau City.

Technology with internet media has proven to be one of the effective and efficient information media in the dissemination of information that can be accessed by anyone, anytime and anywhere. Internet technology has a huge effect on commerce or business. Only from home or office space, users can look at the computer screen and access the information with the available options. Users can save time and money because they do not need to come to the place, so that from their seats they can make decisions quickly. In addition, by using technology, employees can also input data easily and in safekeeping data can be protected and also avoid unwanted things. This development is due to the need to solve problems and help users work. One of them is intended to support the community's need for information from local government [1].

In making data, such as making family cards, affidavits and domicile certificates, the application of Population Information System Design will be able to do accurate and effective data processing. By using computer facilities in data processing both birth rates, mortality rates, migration to other regions, the number of families, besides that the computer can also be more

useful, such as in processing population information data using PHP and Mysql databases. And also in database processing, this information system will also guide the population in knowing about the information contained in the Air Kati Village for example information about immunization and family planning counseling. And in making computer-related systems, it is easy for the public to obtain information provided by the operator through this system in the Air Kati sub-district, Lubuklinggau Selatan I District, Lubuklinggau city. And in storing data for the population felt by the village is safer [2].

One of the information requirements needed by the community is family card information, identity card information and Birth Certificate. Apart from the information above, by using the system, the public can also find out about developments and can check whenever there is information related to the area around the Air Kati village. Air Kati Kelurahan has not used a population data information system where the data review still uses the method of recording provided by the kelurahan in the master book manually. Some of the data processing is still experiencing problems such as the process of finding data is difficult to find. And data security on manual storage is also very high risk, because data can be lost and data can also be damaged. Therefor it is necessary for an increase in the structure of the Air Kati sub-district both services to the community and in storing population data in the Air Kati area of Lubuklinggau City. The formulation of the problem in this research is how to design and create a population data processing information system in the Kati water village based on website to accelerate the process of processing population data, data recording, population data search and informing residents data.

Designing and building a mobile web information system in Kati water village that can process and inform population data. This makes it easier for residents to access directly either via mobile phones or using a laptop or PC. Can speed up the process of finding data, making reports at the end of the month, and also can facilitate the smooth administration of inputting population data both moving data, death data and occupational birth data for each week as well as making it easier for administrators to provide information directly to the Kati Air Society.

2.0 RELATED RESEARCH

2.1. Design

Design has 2 (two) purposes, namely to meet the needs of the chief user of the system and to provide a clear picture to the computer programming and other technical experts involved. According to Ladjamudin (2005) design is an activity that has the aim to design a new system that can solve the problems faced by companies that are obtained from the best alternative systems (Mujiati, 2010). According to Pressman (2009) the design or design is a series of procedures to translate the results of analysis and a system into a programming language to describe in detail how the system components are implemented[3][4].

2.2. System

System is a network and procedures that are interconnected, gathered together to carry out an activity or to complete a specific goal in the system (Sutabri, 2004). The system is a collection or set of elements, components, or variables that are organized, interact with each other, are interdependent, and integrated. The system in general, which was first described by Kenneth Bouling, especially emphasized its importance to every part that forms a system (Tata Sutardi, 2012). A system is a group of two or more interconnected components or subsystems to achieve a common goal[5][6].

2.3. Mobile Web

Mobile web is a technique used to make website layouts adjust to the appearance of the visitor's device both in size and orientation. So a different display on a desktop computer with a display accessed via a smartphone for example, it will have a different appearance [7].PHP (Personal Hypertext Preprocessor) is a server side scripting language that integrates with Hypertext Markup Language (HTML) to create dynamic web pages. Because PHP is a server side scripting syntax and PHP commands will be executed to the server and then the results are sent to the browser in HTML format [7][8]. Bootstrap is a great and excellent front-end

framework that puts forward the look for mobile services (mobile phones, smartphones, etc.) to speed up and simplify website development[9]–[11].

3.0 METHODOLOGY

The method of analysis in the Air Kati Subdistrict of Lubuklinggau in the south of the city of Lubuklinggau, in processing population data that is still using manual method that is still using big books as a form to record every information process related to data of death, transfer, birth and also population data that is just came in, for the use of computer technology, which is currently not yet used to its full potential, so the submission of population data processing information is still less accurate, less efficient and less effective.

Figure 1. Waterfall Model (www.visual-paradigm.com)[12]

4.0 RESULANTS AND DISCUSSION

4.1. System Design

In building population applications we use the Use case diagram model. by using Adamin and the user as actors
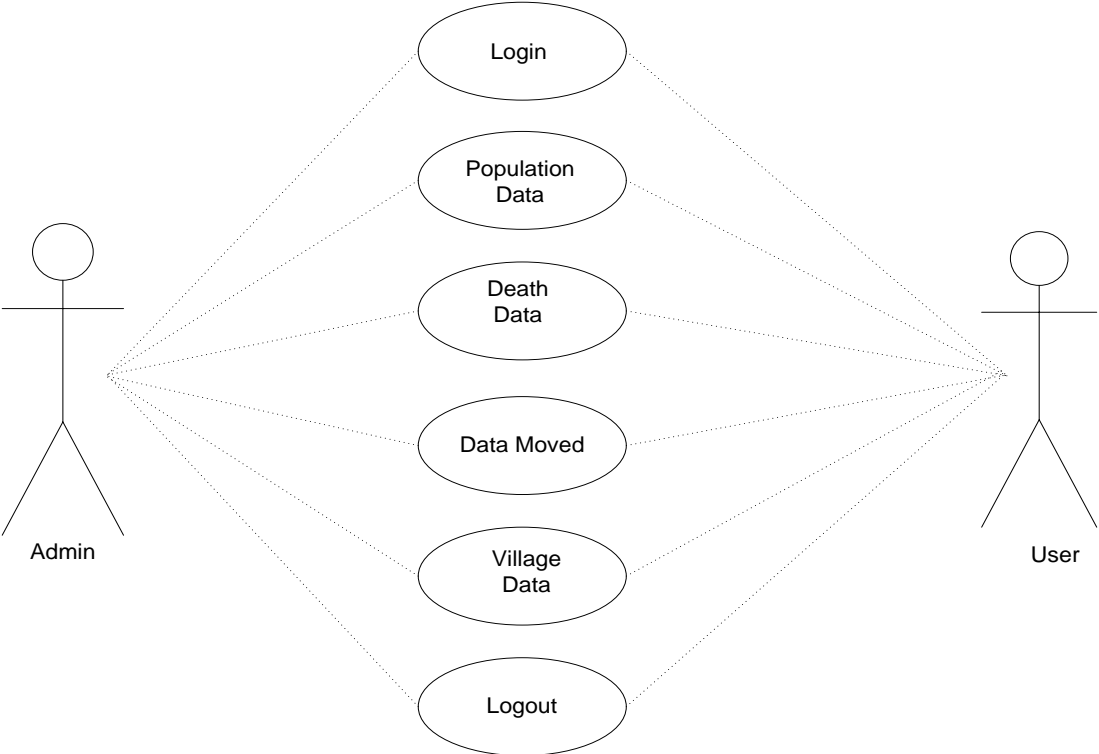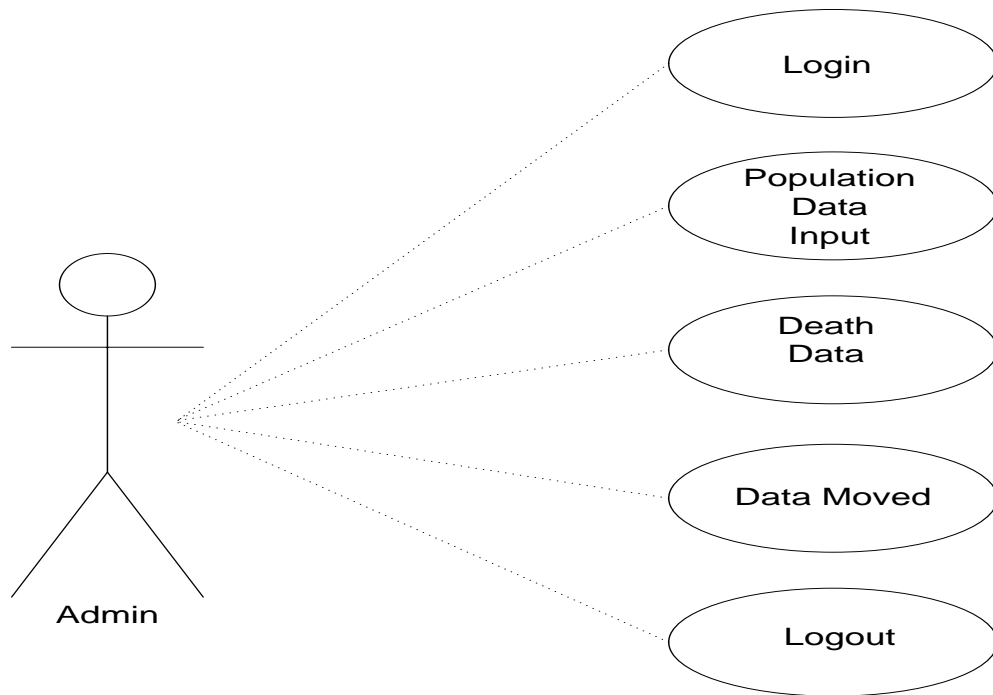

Figure 2. Use Case Diagram

Figure 2. Use Case Diagram Admin

4.2. System Implementation

After completing the design using the use case diagram then implemented using the html programming language and mysql database so it looks like in the following figure:

Figure 3. Form Login

Figure 4. Form Population data input

4.1 Research Result

The design and manufacture of Population Data Information System in Air Kati Urban Village gets results in the form of an information system with website websites as an alternative that can be accessed anywhere by visitors, especially people in the Air Kati Urban Village. For employees in Kelurahan Air Katisistem this information can facilitate the management of population data. The following is an explanation of the pages created in this study, namely on the user's main menu page or Home which is the starting page when the user accesses the website page, then the population data menu which consists of a kk data sub menu or a family card containing kk data Air Kati Kelurahan community, population data submenu containing population data, Population data submenu containing population migration data, Birth data submenu containing population birth data and mortality data submenu containing population death data in Air Kati Kelurahan.

Based on the results of the discussion, using this information system will make it easier for the public to find out information relating to matters relating to population data, both data extending the identity card and job vacancies for both people who have just graduated from high school.

5.0 CONCLUSION

5.1. Conclusion

Based on the results of the analysis, design and evaluation of career center information systems at STMIK Musirawas Lubuklinggau based on mobile web conducted by researchers, it can be concluded, with a career center information system, it can help alumni get information about job vacancies. And the campus can also provide information about job openings and the information system is also already in the form of a mobile web.

5.2. Suggestion

I hope that a career center information system can be used as well as possible maintenance related to information systems should be carried out in order to maintain the system.

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