

## **DESIGN OF INFORMATION SYSTEM OF CAREER CENTER ALUMNI STMIK MUSIRAWAS LUBUKLINGGAU MOBILE WEB BASE**

\*Corresponding author  
E-Mail :

[tri.hasanah@gmail.com](mailto:tri.hasanah@gmail.com)

**Hasanah Tri<sup>1</sup>, Davit Irawan<sup>2</sup>, Asep Toyib Hidayat<sup>3</sup>**

<sup>1,2,3</sup> *University Bina Insan, Lubuklinggau, South Sumatera*

<sup>1,2,3</sup> *Street Jenderal H.M. Soeharto KM13 Lubuk Kupang*

### **Abstract**

The problem in this study is that the mobile web-based career center information system with the breadth first search method does not yet exist on the STMIK Musi Rawas Lubuklinggau campus. Just simply sticking a piece of information on job vacancies on campus campus. This research uses the waterfall system development method and data collection by conducting data collection techniques which are observing (Observation), Question and Answer (Interview), Documentation and Literature Study. The results of this study produce a mobile web-based career center information system using the PHP programming language, and a database using MySQL. It can be concluded that the information system can help STMIK Alumni Musirawas Lubuklinggau find information on job vacancies through the career center information system, and the university can also provide information on available job openings.

**Keywords:** *Career Center, Information System, PHP, Mysql*

### **1.0 INTRODUCTION**

The development of internet technology that has spurred the emergence of various new applications including in the field of information technology. Website is one of the revolutions in the field of information based on internet technology. Mobile web applications are a continuation of traditional web applications. When you go online using a smartphone, tablet or computer, the design will adapt to the device being used. Career centers can be a medium of information flow for college alumni looking for job vacancies. Good information from career service centers to graduates or alumni, from career service centers to companies or from graduates or alumni to companies [1].

The design is a process of selection and thinking that connects facts based on assumptions related to the future by describing and formulating certain activities that are believed to be needed to achieve certain goals and outlining how they are achieved. The system is a set of interrelated and interconnected procedures for carrying out a task together [2]. The system is a series of two or more interconnected components, which interact to achieve a goal. Most systems consist of smaller subsystems that support larger systems. Career Center is a place that makes it easy for alumni to find job vacancies while adding insight and soft skills to their alumni [3]. Career Center is the center of the education and training system which is intended for alumni of a college [4].

This section also contains the theoretical basis of a summary of theories derived from the literature that support the research, and contains an explanation of the concepts and basic principles necessary for problem solving. Theoretical basis can be in the form of qualitative descriptions, mathematical models, or tools that directly related to the problems studied. The sources of references referred to in this section should be included in the referenced sentences / statements and in the References, for example [1].

Table titles are written in Times New Roman 10-point, placed above the table, without ending the dot. The table should not be decapitated, unless it is not possible to be typed in a single page. On the next page the table lists the table numbers and is written an Advanced

word without title. Charts, graphs, maps, photos, all called images. The title of the picture writes in Times New Roman 10 point, just below the image, without ending by the dot. The picture description is written in an empty space on the same page. The scale and units on the graph should be as clear as possible. Each table and picture should be referenced in the paper. Problem Formulation do not have information about the career center lack of information about job openings. information is only on the campus wall magazine, so it is difficult to see new information. The purpose of this study is the creation of an Information System Career Center for STMIK Alumni Musi Rawas Lubuklinggau Web-Based Mobile by adding this system so that the Student Alumni can search for job vacancies and bring the academic world and business interactively closer to employment needs. By using the mobile web, STMIK Musi Rawas Lubuklinggau Alumni Career Center Information System, can add experience and knowledge in conducting research, add insight into the PHP Programming Language MySQL database and can provide information to Musirawas STMIK Alumni, about job vacancy information.

## **2.0 THEORETICAL**

### **2.1. 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. 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 scripting syntax and PHP commands will be executed to the server and then the results are sent to the browser in HTML format[5][6].

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[7].

### **2.2. Theories system used**

Use case diagrams function to illustrate and model and organize in the Design of Information Systems Career Center for STMIK MUSIRAWAS Lubuklinggau Mobile Web-Based Mobile, where the making of this diagram consists of 3 actors namely admin, Alumni and Company. So that what is done by these actors in the system clearly seen presented in Figure 2.

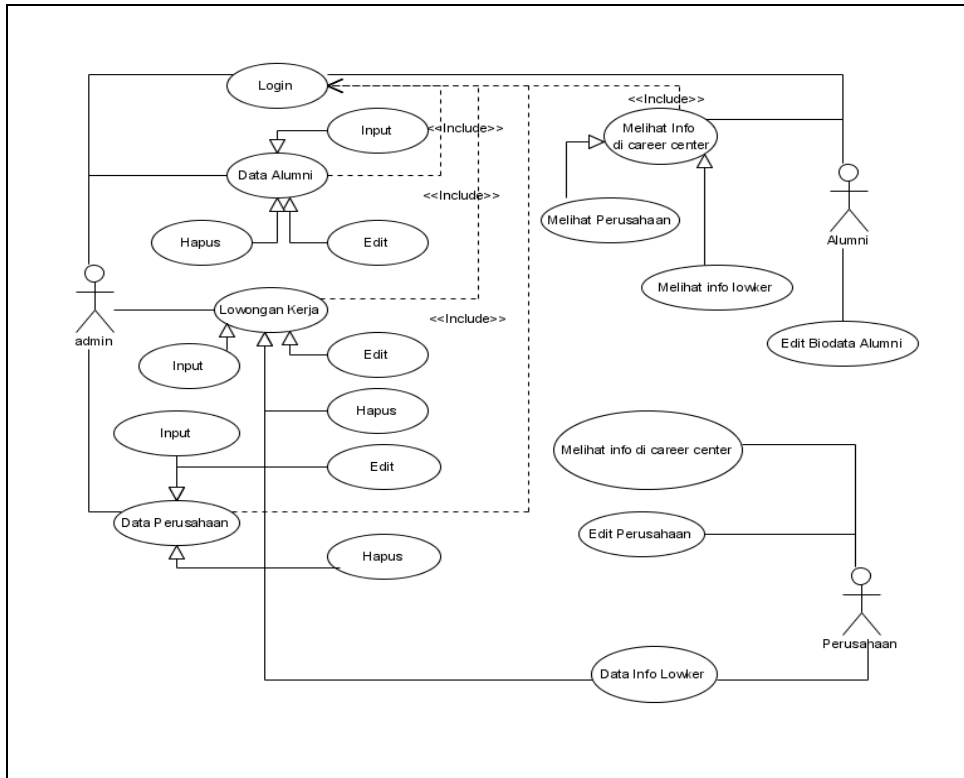


Figure 1. Use Case Diagram

### 3.0 METHODOLOGY

The following is a research framework that will be carried out as a guide in conducting research as follows :

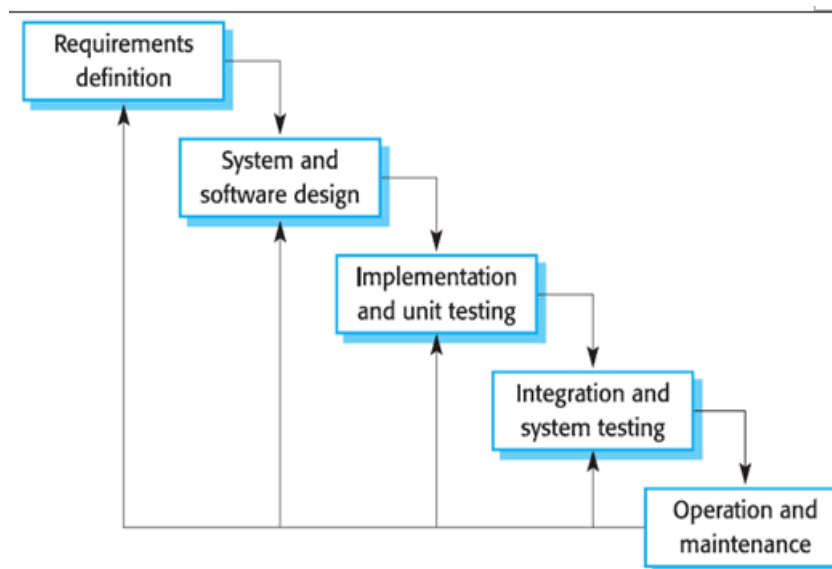


Figure 2. Waterfall Diagram[8]

### 4.0 RESULTANTS AND DISCUSSION

From the draft system, a Career Center information system was generated at the Musirawas Lubuklinggau College of Management and Computer Science (STMIK Musirawas Lubuklinggau). In the system there are features including:

1. The main page is the page where you can enter the admin, alumni and company login pages.
2. Admin login page is the page where the admin authenticates to enter the admin page.
3. Admin page is one of the menus for processing admin data, the data processing includes adding, editing and deleting admin data.
4. Alumni login page is the page where the alumni perform authentication to enter the alumni page.
5. The alumni page is one of the menus to see about the company and job vacancy information.
6. The company login page is the page where the company authenticates to enter the company page.
7. Company page is one of the menus for adding job info and can only see about the company itself.

In this discussion will discuss the results of the implementation of the design that has been made and explained in the previous discussion. The system that has been made in this study is a mobile web-based career center information system.

## 5.0 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

## REFERENCES

- [1] A. A. Bettaliyah, "Sistem Informasi Pengolahan Data Tabungan Siswa Mi Bahrul Ulum Berbasis Web Mobile Menggunakan Codeigniter Dan Bootstrap," *J. Tek.*, vol. 8, no. 2, 2016.
- [2] S. Karnila, "Enerapan Aplikasi CRM Untuk Career Centre Pada Perguruan Tinggi IBI Darmajaya," *J. Inform.*, vol. 12, no. 2, hal. 164–171, 2012.
- [3] S. I. Rosita Cahyaningtyas, "Perancangan Sistem Informasi Perpustakaan Pada Smp Negeri 3 Tulakan, Kecamatan Tulakan Kabupaten Pacitan," *IJNS*, vol. 4, no. 2, hal. 15–20, 2015.
- [4] Y. Afrida dan R. Iskandar, "Pengembangan Sumber Daya Manusia Pada Lembaga Pusat Karir Di Perguruan Tinggi Agama Islam Negeri," *Maqdis J. Kaji. Ekon. Islam*, vol. 2, no. 2, 2017.
- [5] M. S. Ardy dan B. Wijaya, "Aplikasi Android Penjualan Pulsa Elektrik One Chip All Operator," no. November 2001, hal. 8–9, 2018.
- [6] B. He, Y. Shi, Q. Wan, dan X. Zhao, "Prediction of customer attrition of commercial banks based on SVM model," *Procedia - Procedia Comput. Sci.*, vol. 31, hal. 423–430, 2014.
- [7] Y. Yudhanto dan P. Alfianto, "Aplikasi Android 'Cari Dokter' Untuk Wilayah Surakarta," *SEMNASTEKNOMEDIA*, vol. 3, no. 1, hal. 57–62, 2015.
- [8] O. Muhammad Muslihudin, *Analisis Dan Perancangan Sistem Informasi Menggunakan Model Terstruktur Dan UML*. Yogyakarta: Andi Offset, 2016.