



Personnel System Application Design on CV. Intan Bakery Prabumulih City

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Abstract

Information technology is a technology that is generally used to assist humans in creating, changing, storing, communicating and disseminating information. By implementing a staffing system application in an organization or company, it can make it easier for management to plan, supervise, direct, and delegate work to all departments that have a command or coordination relationship with them. As well as increasing the efficiency and effectiveness of data that is presented accurately and on time. One of them is the implementation of the staffing system application. In employee processing, information is needed to make it easier to carry out employee performance. One of the important bases or references in establishing a policy in the field of personnel is employee data, in the form of individual data for each employee complete with their history. Personnel administration activities will affect the state of individual employee data and as a whole. The existence of computer devices is not too much help, because the data is stored and managed by each executor and not in a unified platform. Management or processing is the science and art of managing, controlling, communicating and utilizing all resources. This staffing system application is made using a website.

Keywords: *Application, Skills System, Management, Website*

1. Introduction

Information technology is technology that is generally used to help humans create, change, store, communicate and disseminate information. Information technology is one of the tools that is often used in human activities. The role of technology makes processing information easier because processing is very necessary so that the information produced can be useful for users. By implementing a personnel system application in an organization or company, it can make it easier for management to plan, supervise, direct and delegate work to all departments that have a command or coordination relationship with it. As well as increasing the efficiency and effectiveness of data that is presented accurately and on time. One of them is the implementation of a personnel system application. Management or management is the science and art of organizing, controlling, communicating and utilizing all resources. In employee management, information is needed to make it easier to carry out employee performance. One of the important bases or references in determining a policy in the personnel sector is employee data, in the form of individual data for each employee complete with their history. Personnel administration activities will affect the state of individual employee data and as a whole. The existence of computer devices does not help too much, because data is stored and managed by each implementer and not on a single platform. As a result, even in the case of basic data or master data, it can take a long time to find it, and errors may even occur. CV. Intan Bakery's personnel system is still manual and recorded in a ledger, so making employee data reports still takes a long time, and data storage is disorganized and it is difficult to find data when there is a need for monthly submissions or reports. Based on the problems on CV. Intan Bakery, a personnel system application is needed so that data storage is more organized and easy to find when needed, both for data submission, salary reports and monthly reports by the company. Based on this, the author is interested in conducting research with the title "Designing Personnel System Applications on CV. Intan Bakery, Prabumulih City."

2. Theoretical basis

2.1. Planning

According to [1], Design is a planning process, creating a new system or developing a pre-existing system. According to [2], Design is a managerial and technical discipline related to the systematic creation and maintenance of software products, including development and modification, which is carried out at the right time with consideration of cost factors. It can be concluded that design is a stage in creating software.

2.2. Personnel Information System

According to [3], a Personnel Information System is a system consisting of software and hardware designed to store and process all employee information. According to Reiner and Cegielski in the journal [4], a Personnel Information System is a Management Information System that is useful for collecting data, providing access to data and information, and processing data to support decision making to improve organizational performance, especially in the field of personnel. It can be concluded that a personnel information system is a system consisting of hardware and software to help manage employee data.

2.3. Web

According to [5], the Web is pages that contain information displayed by browsers such as Mozilla Firefox, Google Chrome, or others. the Web is an information system consisting of a collection of pages that can be accessed via the internet. These pages can contain various types of content such as text, images, audio, video, and other interactive features. It can be concluded that a web is a page consisting of text, images, videos that contain information.

2.4. PHP (Hypertext Preprocessor)

PHP is an abbreviation for (Hypertext Preprocessor), which is a scripting language (code for building a program) combined with HyperText Markup Language (HTML). PHP is an abbreviation for Hypertext Preprocessor, which is a programming language that is widely used for handling, creating and developing a website and is usually used in conjunction with HTML. It can be concluded that PHP is a language used to create a website and is usually combined with HTML.

2.5. Unified Modelling Language (UML)

According to [6] Unified Modeling Language (UML) is a "language" that has become a standard in the industry for visualizing, designing and documenting information systems or software.

3. Research methods

Research methods are the stages taken by researchers to collect data or information to be processed and analyzed. According to [7] research is an organized investigation, or a careful and critical investigation in looking for facts to determine something. The research method used by the author is descriptive with a qualitative approach. According to [8] descriptive is a method of researching the status of a group of people, an object, a set of conditions, a system of thought, or a class of events in the present. The purpose of this descriptive research is to describe the facts, characteristics and relationships between the phenomena being investigated. According to [7], qualitative research aims to provide an explanation of a phenomenon and discover or instruct a theory related to a phenomenon. Using qualitative research methods can easily help researchers to dig deeper information related to a research topic so that the information obtained can later be used to determine research objectives.

3.1. Data collection technique Data collection technique

According to [9], techniques or methods that can be used by researchers to collect data. The data collection methods used in this research are:

1. Observation; Observation is a technique or method for collecting data by observing ongoing activities. In this study, researchers made observations by coming directly to CV. Intan Bakery.
2. Interview; An interview is a method of collecting data that is carried out by verbally asking questions and answers between two or more people to obtain information directly from the source. In this research, interviews were conducted directly by the author with the resource person, Mr. Bagas Pesuma.
3. Literature review; Collect information and data with the help of various books, e-books, documents, journals related to the research theme.

4. System Implementation and Testing

4.1. Proposed Use Case

In Figure 1 there are two actors, namely admin and user, admin can add, edit, delete data and can only view data.

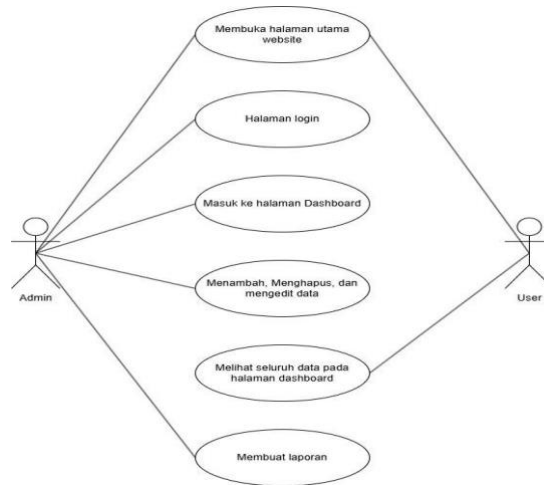


Fig. 1: Proposed Use Case

4.2. Interface Implementation

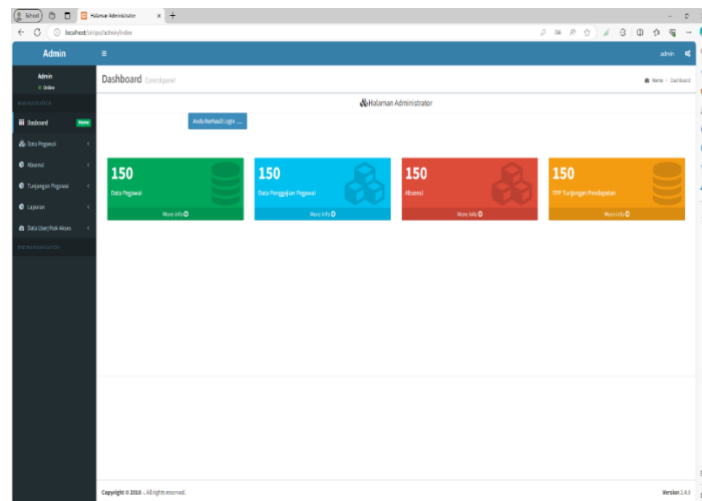


Fig. 2: Dashboard Menu

In Figure 2, this is the dashboard menu display.

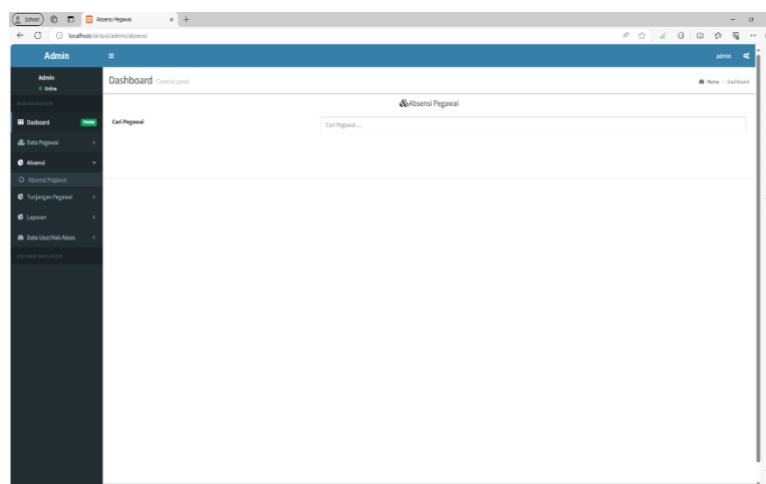


Fig. 3: Attendance Menu

Figure 3 shows the attendance menu display.

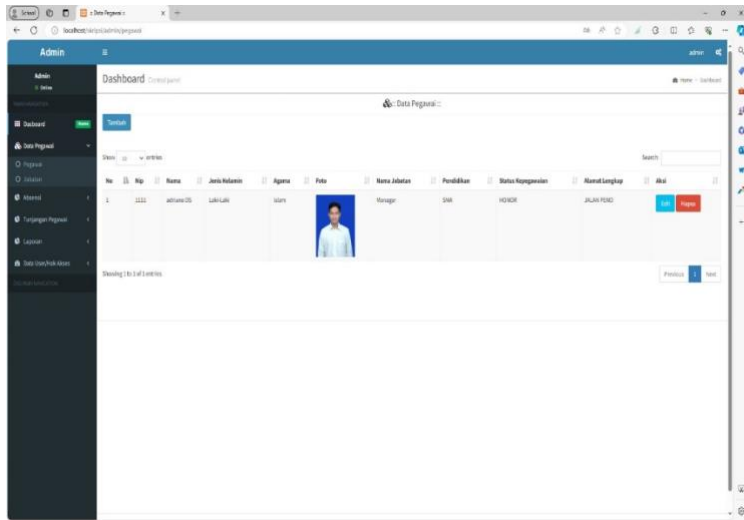


Fig. 4: Employee Menu

Figure 4 shows the employee menu display.

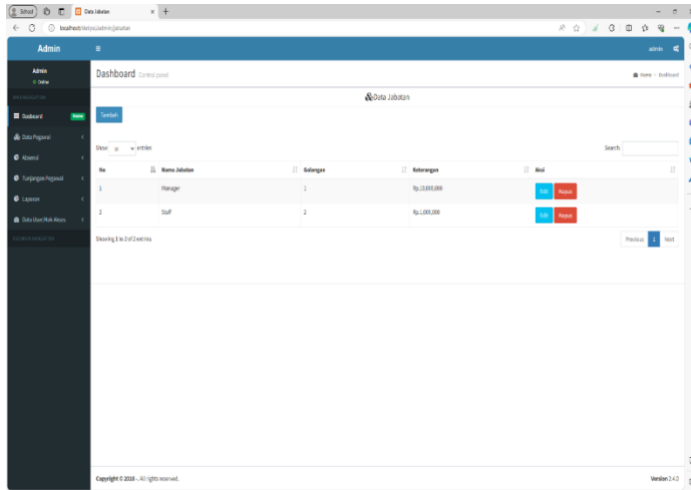


Fig. 5: Job Menu

Figure 4 shows the job menu display.

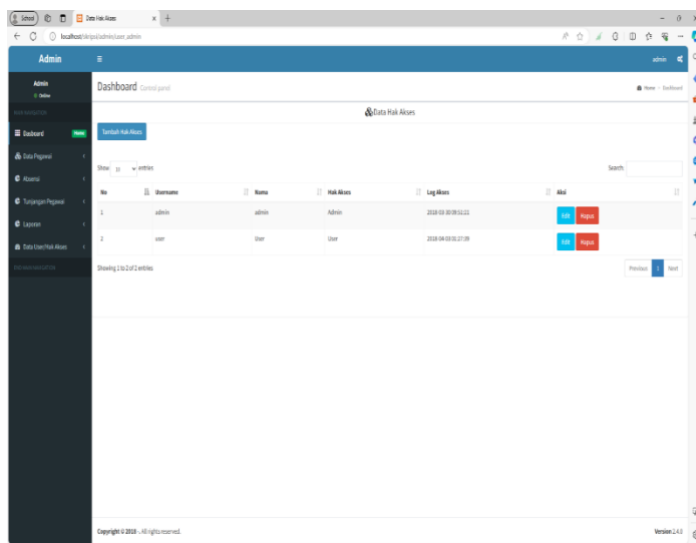


Fig. 6: Access Rights Menu

Figure 6 shows the access rights menu display.

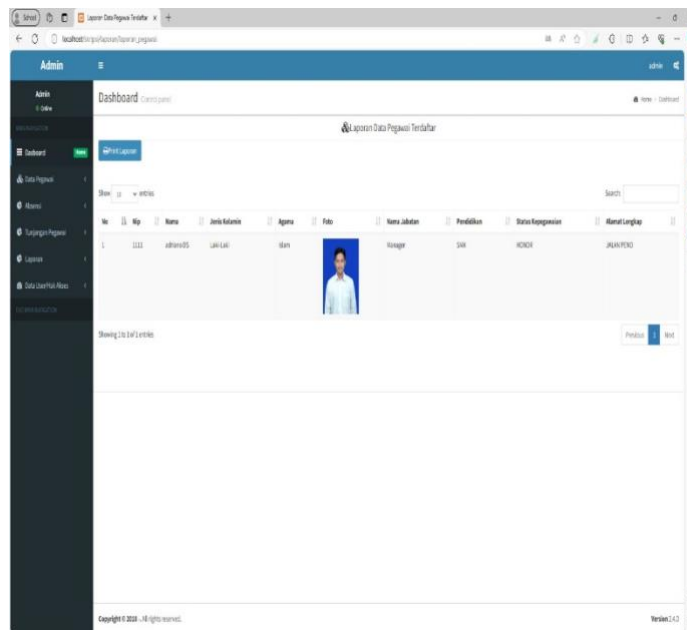


Fig. 7: Report Menu

Figure 7 shows the report menu display.

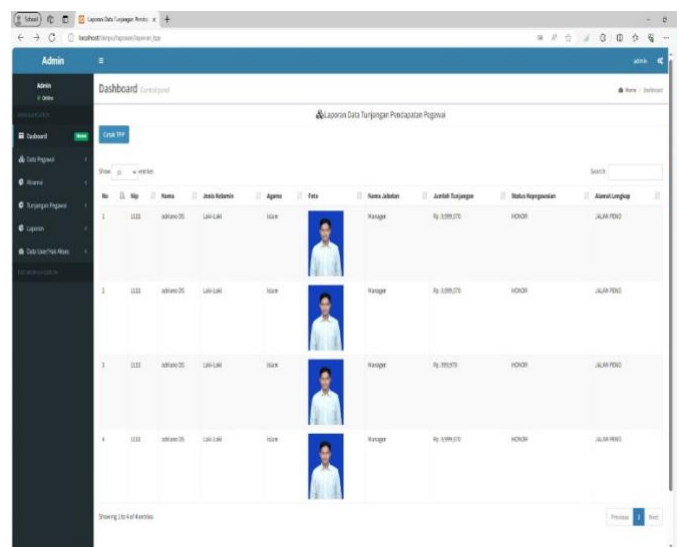


Fig. 8: Employee Benefits Report Menu

Figure 8 shows the employee benefits report menu display.

Based on the test results using tests on the samples above, it can be concluded that, functionally, the system produces results as expected and in accordance with the purpose of creating this system. This is in line with research conducted by [3] entitled "System information Staffing Web Based use Model Method Drive Development and Analysis Pieces in the village Dayeuhkolot Bandung" stated that SIMPEG was built use waterfall model through 4 stages that is, stages Requirements analysis which gather need users, stages requirements analysis which gather need users, stages implementation who encodes systems, and stages testing that test the display and system functions via black box SIMPEG testing can help make it easier data collection process and processing UPT staffing BAPENDA OKU 1 with provide features in the form of data employee, absenteeism, leave, and salary, and accurate report and SIMPEG can carry out the process leave application employee, approval or rejection of proposed leave, and calculating and issuing employee pay slips. SIMPEG is website-based, so it needs a similar system based on Mobile Applications, Android, IOS, etc. so that services can be accessed more easily and user friendly.

5. Conclusion

There are several conclusions from this discussion seen from the development of the current system, Designing Personnel System Applications at CV. Intan Bakery Prabumulih City, it can be concluded as follows

1. This system is still conventional and manual with the problems faced by CV. Intan Bakery, which does not yet have a Personnel System so that employees at CV. It is difficult for Intan Bakery to create existing reports and the Personnel System on CV. Intan Bakery was created to make things easier for employees at CV. Intan Bakery in making a report.
2. Personnel System Application on CV. Intan Bakery was created to make admin work at CV easier. Intan Bakery.

3. Personnel System on CV. Intan Bakery uses the Extreme Programming method with a UML design model supporting design tools, namely use cases, class diagrams, the programming language used is PHP and MySQL database, there are several menus on the web, namely dashboard, employee data, position data, attendance data, data access rights, and reports.

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