



Information System Design Realization and Performance Achievements of the Manpower Office of Kuantan Singingi District

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ABSTRACT

Performance data collection is directed at obtaining accurate, complete, timely and consistent performance data that is useful for decision making in order to improve the performance of Government agencies without abandoning the principles of balancing costs and benefits, efficiency and effectiveness. Kuantan Singingi Regency Manpower Office, so far the reporting and data recapitulation process has been carried out manually using the Microsoft Office application. This has resulted in frequent data overlaps and difficulty in reporting performance data. Therefore, an information system for the realization and performance achievements of the Kuantan Regency Manpower Office is needed. singing becomes more effective and efficient.

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1. Introduction

The development of information systems is now very fast and rapid, quite a few people use information systems to help make their work easier. One form of information system that is easy to develop is web-based, web-based information systems are not only used to display information, but can be used to dialogue with data so as to provide information for making decisions [1].

There are many uses of information systems in the world of government, but there are still those who have not utilized information systems to help work in Kuantan Singingi Regency government agencies, especially in helping the realization and achievement of the performance of the Kuantan Singingi Regency Manpower Service. This is done so that performance measurement is used as a basis for assessing the success and failure of implementing activities in accordance with the targets and objectives that have been set in order to realize the vision and mission of government agencies, therefore performance measurement needs to be supported by the availability of performance data [2].

Performance data collection is directed at obtaining accurate, complete, timely and consistent performance data that is useful for decision making in order to improve the performance of government agencies without abandoning the principles of balancing costs and benefits, efficiency and effectiveness.[3][4]

For this reason, it is necessary to build a performance information system that integrates the required data from the units responsible for recording in an integrated manner with the existing information system. The

Performance Measurement Framework consists of several stages starting from collecting performance data to measuring performance[5][6]. The indicators used as reference instruments have been determined in the performance planning contained in the current work plan. The Kuantan Singingi Regency Manpower Service really needs an information system that can manage performance realization and achievements to make it easier for the agency to recapitulate and report employee performance achievements at the Manpower Service. Working in Kuantan Singingi Regency, so far the data reporting and recapitulation process has been carried out manually using Microsoft Office applications, this has resulted in frequent data overlaps and difficulty in reporting performance data.[7][8]

2. Research Method

The methods used to collect data for the Design of the Realization System and Performance Achievements of the Kuantan Singingi Regency Manpower Service Using the SDLC (System Development Life Cycle) Method include:

a) Interview (Interview)

This is data collection carried out by means of question and answer or direct dialogue with parties related to the research being carried out. In this case the author asked questions and answers to the Head of Industrial Relations of the Kuantan Singingi Regency Manpower Service.[9]

b) Observation (Observation)

This is a data collection method by conducting a direct inspection of the object under study. To obtain real and convincing data, the author made direct observations at the Kuantan Singingi Regency Manpower Office[10]

c) Literature Study

To obtain theoretical data, the author collects data by reading and studying books, papers or other references related to the problem being discussed.[11]

1.1 Implementation

The ongoing system analysis aims to find out more clearly how the system works and the problems faced by the system so that it can be used as a basis for a design proposal for the ongoing system analysis which is carried out based on the existing sequence of events and from this sequence of events can be created in the current System Flow. Ongoing Realization and Performance Achievements of the Kuantan Singingi Regency Manpower Service.[12]

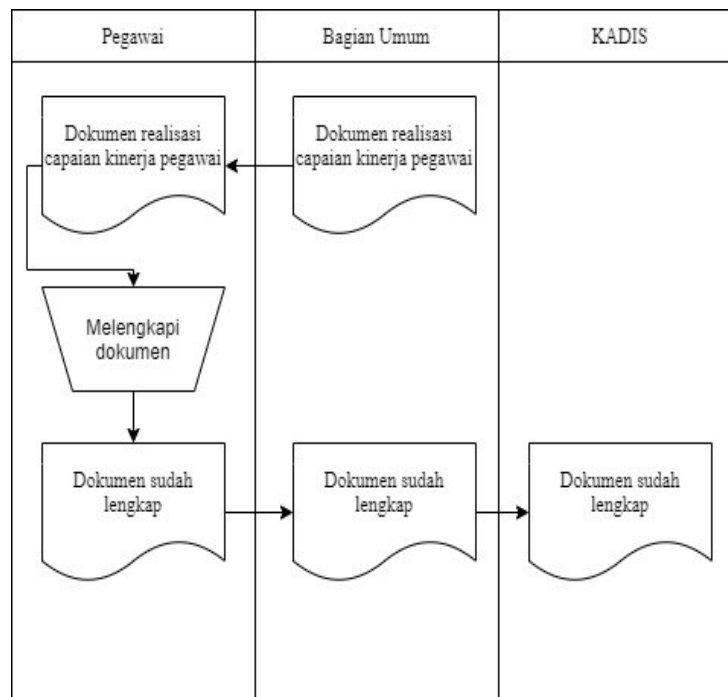


Figure 1. Ongoing Analysis

Analysis of the Proposed System

Based on the results of the analysis of the old system, a new, better system can be proposed. Where this new system can overcome and eliminate the obstacles in the old system[13]. The proposed system analysis can be seen in the following figure:

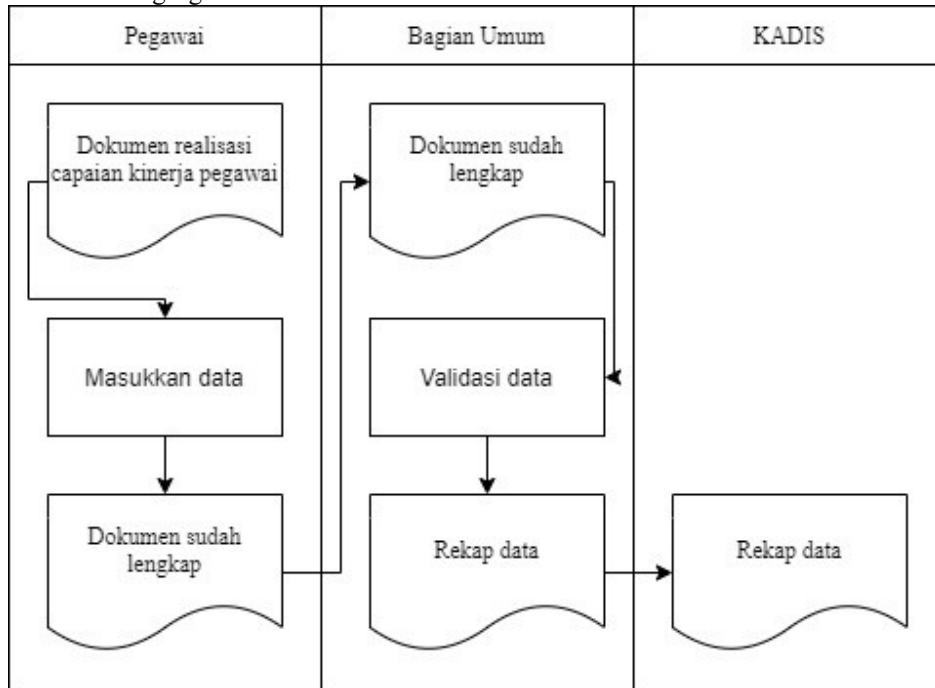


Figure 2. Analysis of the Proposed System

Usecase Diagrams

The following is a use case diagram of the system to be built:

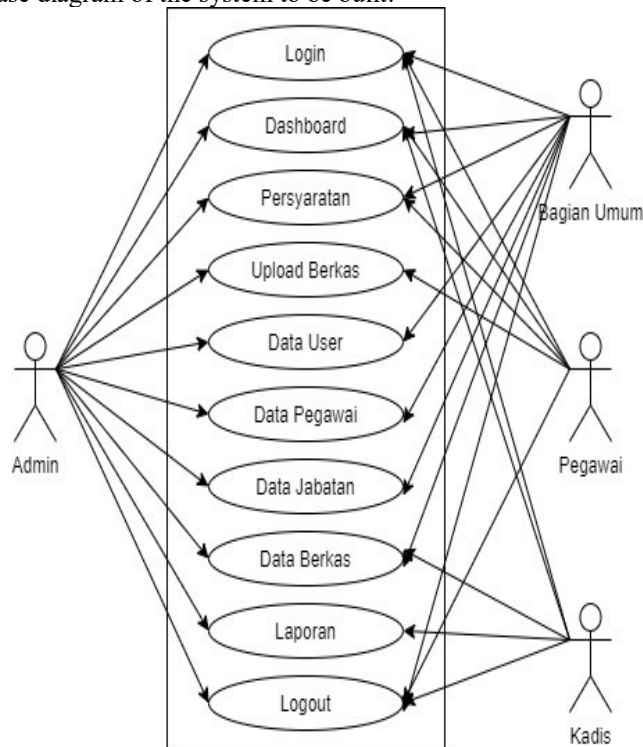


Figure 3. Usecase Diagrams

Activity Diagrams

Activity Diagram Menu Dashboard

Admin, Employees, General Department and Head of Department must log in first. When Admin, Employee, General Department and Head of District are successful in logging in, the Dashboard Page will be displayed[14][15]

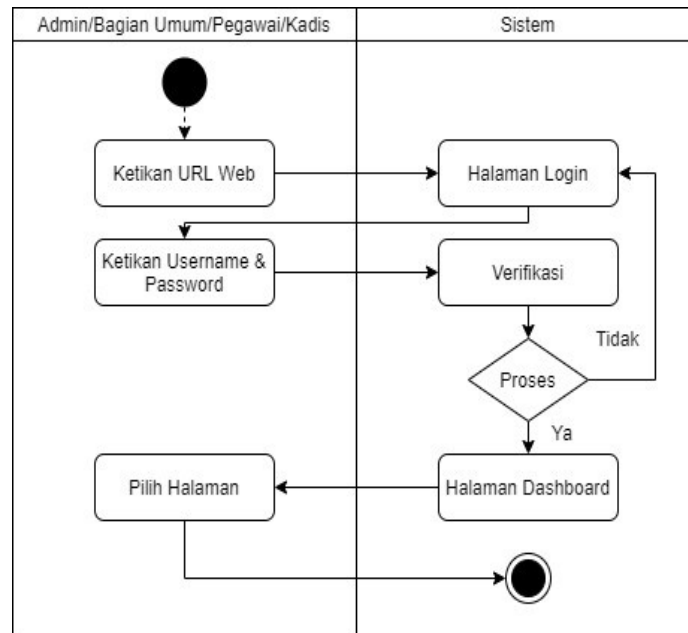


Figure 4. Activity Diagram Menu Dashboard

Activity Diagram Menu File Upload

When admin and employees log in first then select the upload file menu. Admins and employees can manage data such as input data and delete data[16][17]

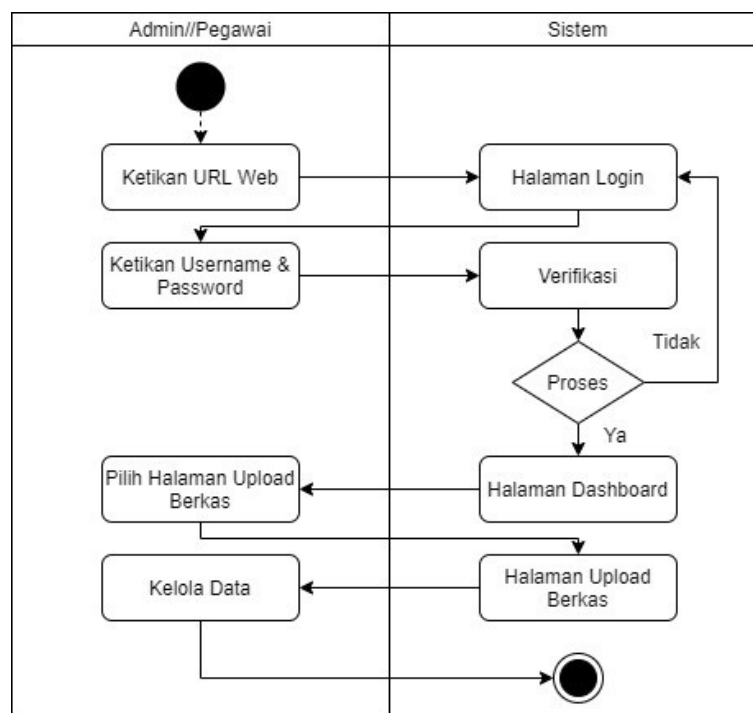


Figure 5. Activity Diagram Menu File Upload

Sequence Diagrams

Sequence Diagram File Upload Menu

Admin/Employee enters the URL then displays the login page, when the admin successfully logs in it will display the file upload page.[18][19]

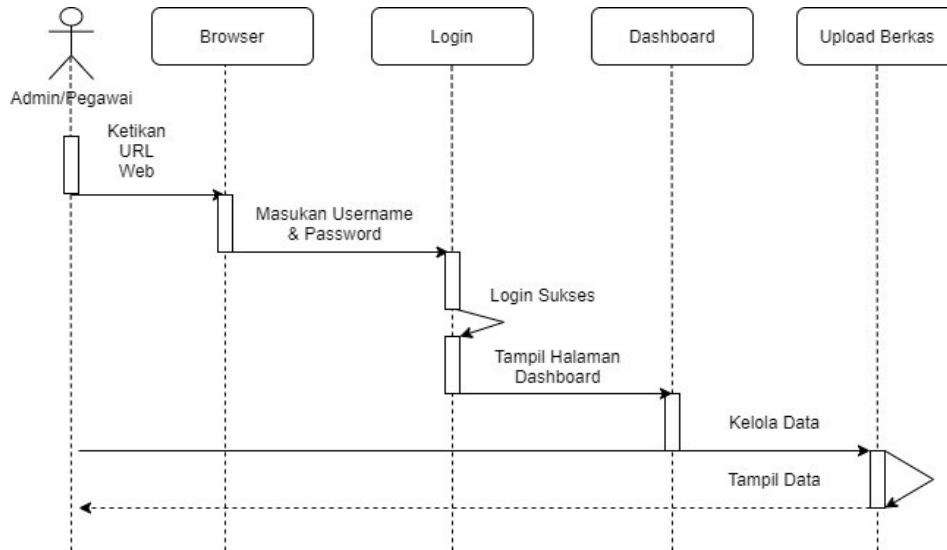


Figure 6. Sequence Diagram File Upload Menu

Sequence Diagram Report Menu

Admin/General Department/Head of Department enters the URL then displays the login page, when the admin successfully logs in it will display the report page.[20][21]

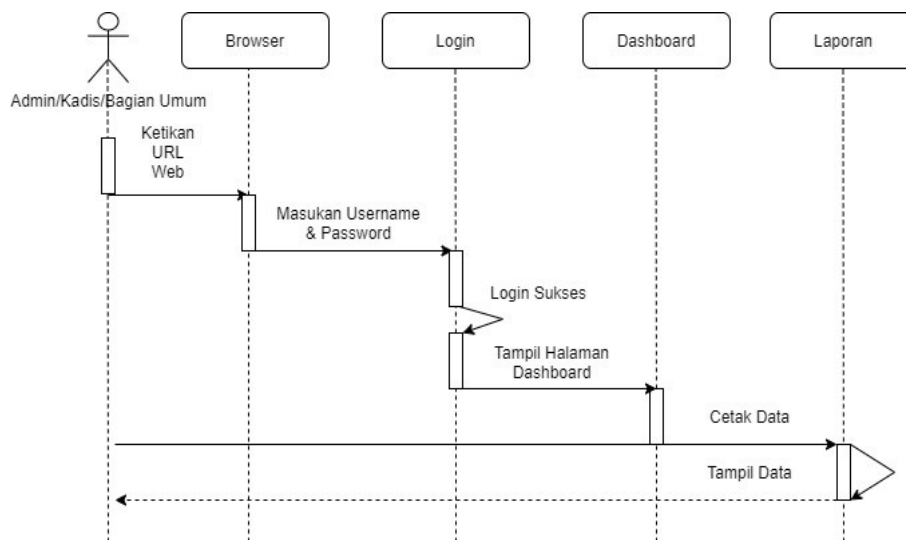


Figure 7. Sequence Diagram Report Menu

Class Diagrams

Class Diagram is a diagram that shows the classes in the system and their logical relationships. The Class Diagram created at the following stage is the Information System Design Figure Realization and Performance Achievements of the Kuantan Singingi Regency Manpower Service.[22]

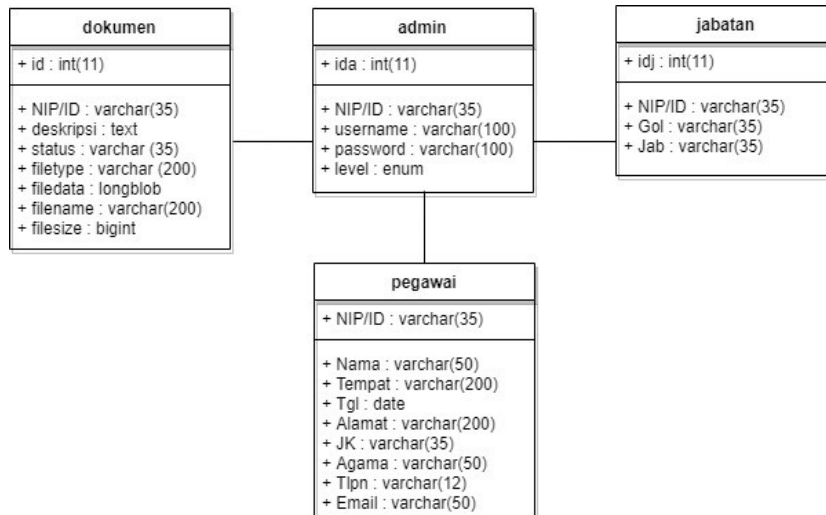


Figure 8. Class Diagrams

1.2 Evaluation

1. Result and Discussion

The system design stage aims to make it easier to design information systems for the realization and performance achievements of the Kuantan Singingi district labor service. The design started from hardware design, software design, then testing the proposed system.[23]

Login Page

Before entering the admin dashboard page, employees, general affairs and head of department must enter their username and password first to enter the website.

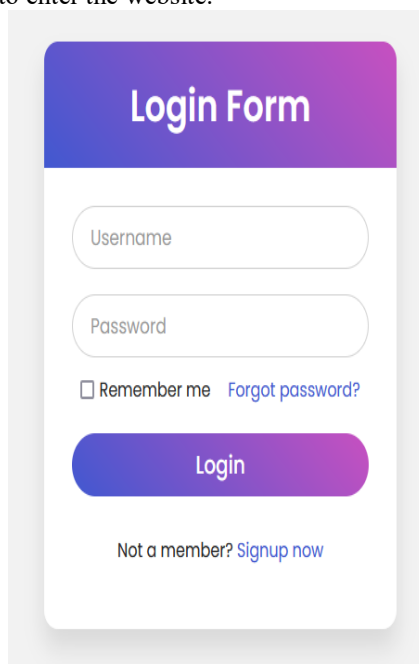


Figure 9. Login Page

Dashboard Menu Page

When the admin, head of office, employees and general department successfully log in, the dashboard page will be displayed, for more details, see the figure below.

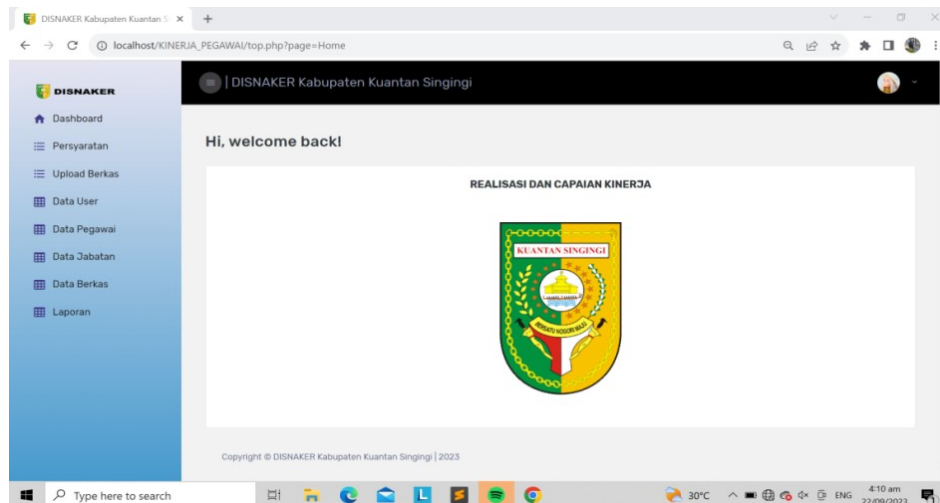


Figure 10. Dashboard Menu Page

At the top of the page, there is a navigation menu that helps you access various features and important information. You can easily explore the About Us, Services, News & Articles and Contact Us pages. In the top right corner, you'll also find a Login or Register button for users who want to access special services or create an account. On the main banner in the middle of the page, we display the latest information, promotions or important announcements in an attractive and interactive visual form. Below, you'll find highlights of our key services, designed to give you a quick look at the benefits and features we offer. Scroll down to see testimonials from our customers and partners. This section displays their experiences and satisfaction after using our services, which can be an additional reference for you.

Report Menu Page

The following is a display of the report page on the design of the Realization System and Performance Achievements of the Kuantan Singingi Regency Manpower Service, for more details, see the figure below.

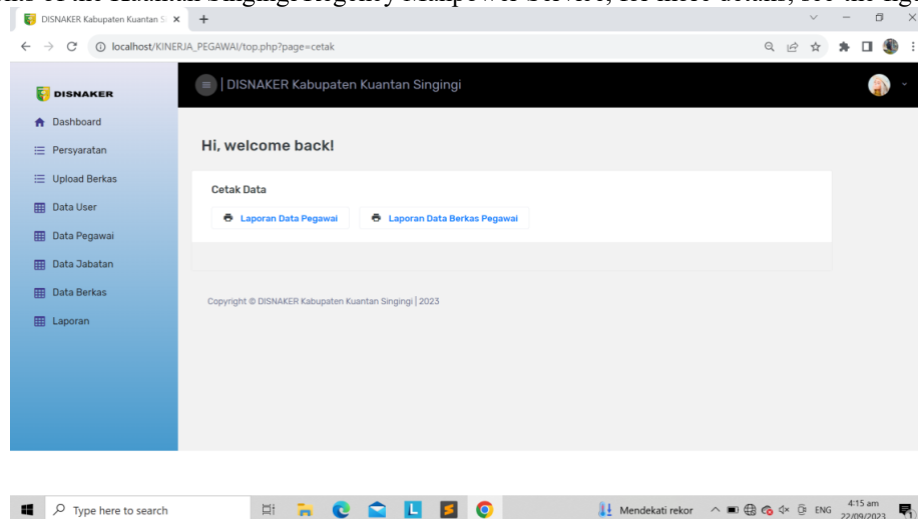


Figure 11. Report Menu Page

The main view of the report page consists of an interactive dashboard that displays graphs, tables and important statistics visually. This visual data provides an overview of performance and trends in one glance. You can choose the type of graph you want, such as bar, line, or pie charts, to understand patterns and comparisons intuitively. Each report displayed can be downloaded in various formats, such as PDF or Excel, by pressing the Download button at the top right. This makes it easy for you to share or save data as needed.

Conclusions

The conclusions obtained from the design of the Realization System and Performance Achievements of the Kuantan Singingi Regency Manpower Service are as follows:

1. Building a System for Realization and Performance Achievement of the Kuantan Singingi Regency Manpower Service
2. A computerized information system that accesses web media connected to the internet to make it more effective and efficient.
3. Assist the Kuantan Singingi Regency Manpower Service in reporting employee performance.

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