Service Information System Design Administration With The Waterfall Method At Balohili Village Office Web-Based Gomo

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Article Info	ABSTRACT
	In the era of the industrial revolution 4.0, as it is today, there has been rapid development in the field of technology in various countries, including Indonesia itself. Public services in the village of Balohili Gomo include all services in the sub-district or village, such as in the administrative field that serves the community in making letters or other letter carriers.

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1. INTRODUCTION

It is this technological advancement that requires agencies to keep abreast of technological developments and continue to improve their ability to manage data and information. A government agency requires an information system that supports the needs of government agencies in creating work efficiency and effectiveness in managing population data. There are many types of public services in the village, especially in making correspondence relating to the community in a Balohilil Gomo village and the implementation is still not well organized, making it difficult to find letters needed by the community.

Therefore, the authors feel the need to create a computer-based waterfall method information administration service system that can overcome the weaknesses and shortcomings of the previous data processing system.

By looking at this condition, the author is interested in conducting research and at the same time raising the topic regarding the theme "Design of Administrative Service Information Systems Using the Waterfall Method at the Web-Based Balohili Gomo Village Office", which is expected to be able to dynamically store population data and be able to serve the community in submitting requests mail anytime and anywhere without having to take a lot of time and effort.

2. RESEARCH METHOD
Stages of research planning
The steps that the writer does are defining the problem, setting goals and making comparisons

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with existing research.
Data Collection Stages
Is an activity to collect data needed for improvement, either by direct observation or by conducting interviews
Stages of Analysis
Perform analysis activities on the data collected with the problem to be studied
Design Stages
Is an activity that the author did before the author made programming.
Testing Stages
The stage of testing the validity of the data collected with the data desired by the agency
Stages of Reporting
Make a report that is documented from the initial stage in the form of existing problems to the results of the proposed system development.

3. RESULTS AND DISCUSSION

The system to be designed is a change from the current system. In operating this system also uses a computer, but in terms of computer users here it is slightly different. This is because the aPplication program that will be used for this new system uses a web application program. To improve company performance, Balohili Gomo Village needs to design a correspondence system. The mail system that will be designed is not much different from the current system, it's just that the development of this new system is more effective and efficient by using a web application program.
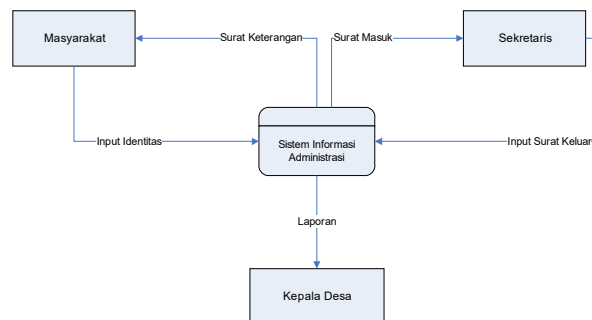
Context Diagram

Figure 1 Context Diagram
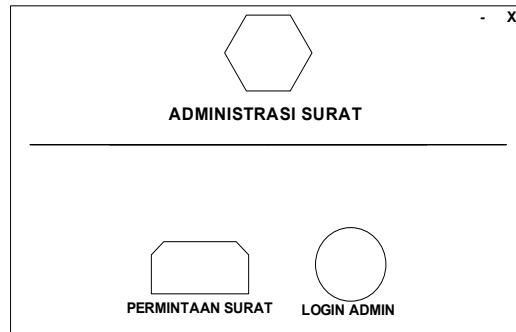
DFD Level 0

Figure 2 Level 0 Diagram

Login Forms

Figure 3 Login Form
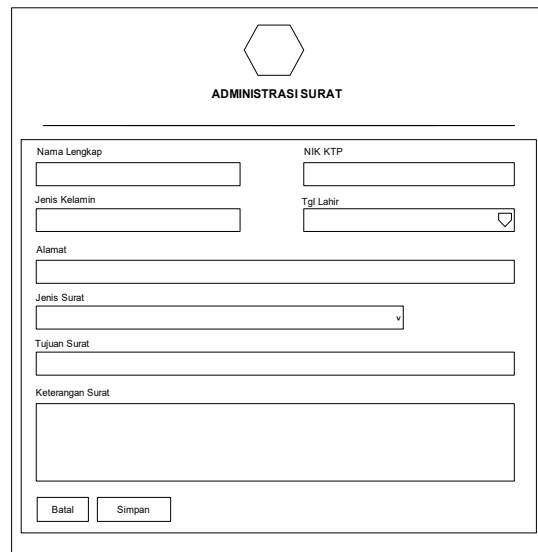
Letter Request Form
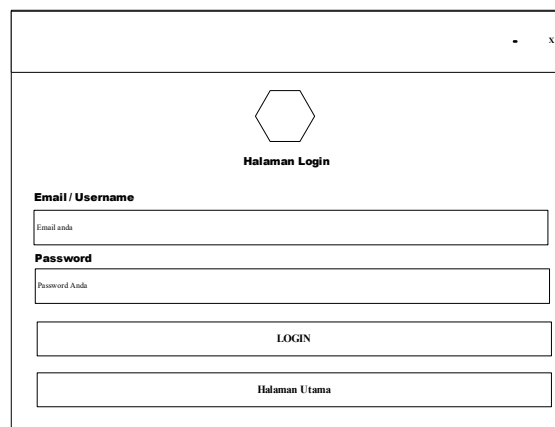

Figure 4 Login Form

Login Page Forms

Figure 5 Display of the Login Page
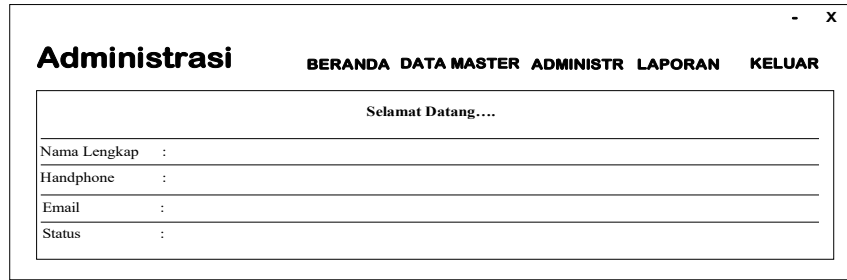
Display Main Menu
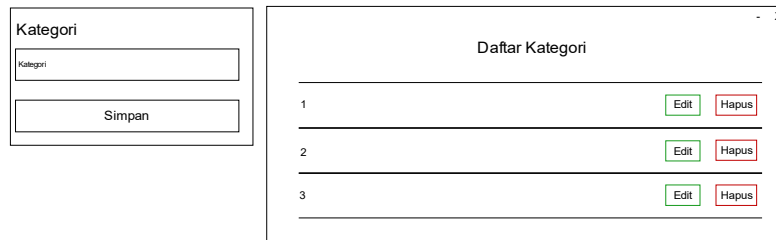

Figure 6 Main Menu Display

Category Forms

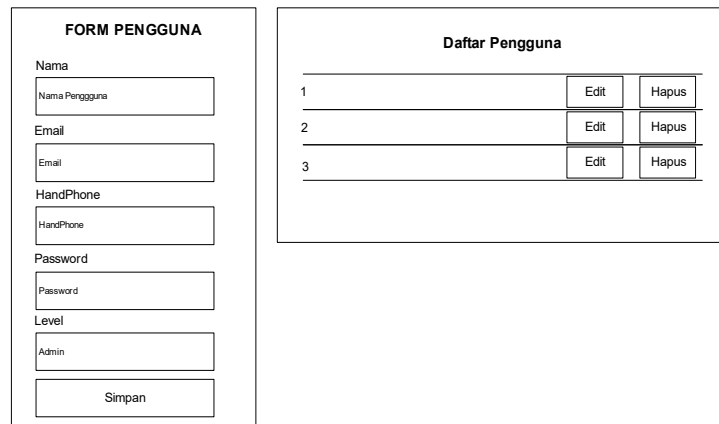Figure 7 Category Form

Display of User Data and Add User Forms

Figure 8 Display of User Data and Add User Forms
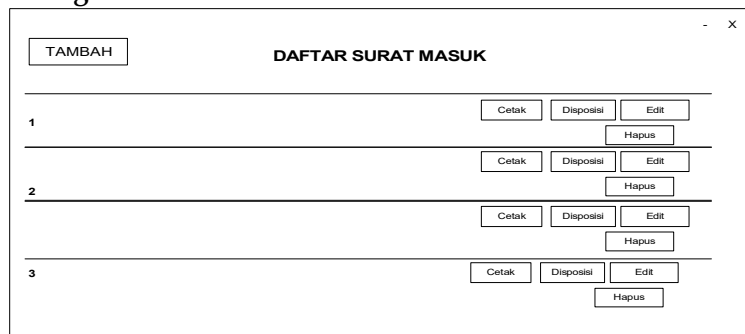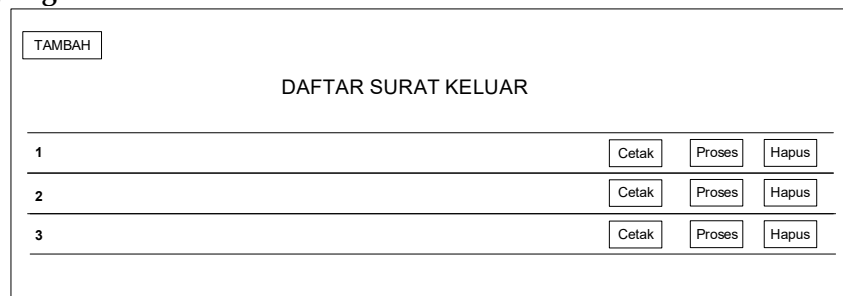
4.10 Display of Incoming Mail List

Figure 9 Display of Incoming Mail List

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View the Incoming Mail List Form

Figure 10 Display of Incoming Mail List Form

Display Outgoing Mail List
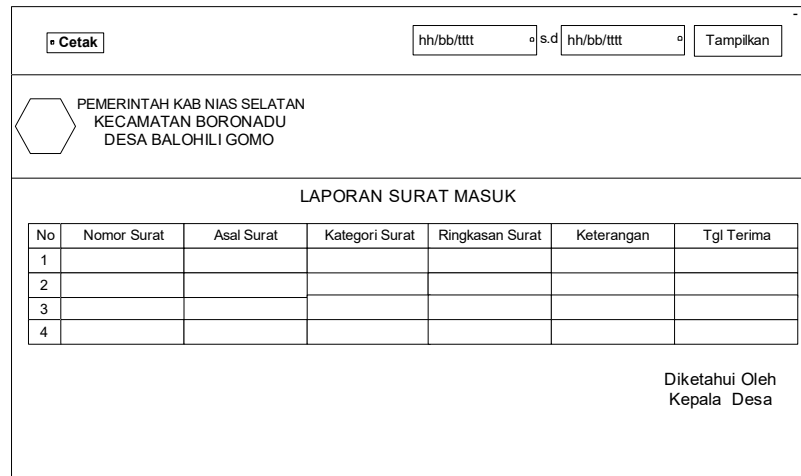
Figure 11 Display of Outgoing Mail List

View Outgoing Mail List Form

Figure 12 View of Outgoing Mail List Form

Incoming Mail Report Display

Figure 13 View of Incoming Mail Report

Outgoing Mail Report Display

Figure 14 Outgoing Mail Report Display

4. CONCLUSION

The web-based system has the ability to store and share data with the Balohili Gomo village community because it can be accessed using a web server. With the existence of an information system that has been built, it will help the Balohili Gomo Village Office to optimize its performance in its duties and obligations, especially in administrative services to Balohili Gomo villagers.

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