

DESIGN A PUBLIC INFORMATION MANAGEMENT SYSTEM AT THE ONE-STOP INTEGRATED SERVICE POST AT THE NORTH PADANG LAWAS STATE ATTORNEY'S OFFICE

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Abstract: The North Padang Lawas District Attorney, located in North Padang Lawas Regency, is a Type B District Attorney led by the Chief District Attorney. The Prosecutor's Office is a state institution that exercises state power in the fields of law enforcement and justice. In carrying out its duties, there are still limitations and even public incomprehension of the mechanisms and processes of public services at the Prosecutor's Office. The Padang Lawas State Prosecutor's Office still displays information manually in the form of data posted on the wall, so there is a lack of public access to see the information displayed and ineffective management of information from every field in the Padang Lawas Utara Prosecutor's Office. This research was conducted to be able to help the community or related stakeholders access information related to the North Padang Lawas State Attorney's Office. The application is built using the PHP programming language and a MySQL database. Designed using UML, namely a use case diagram, an accuracy diagram, and a class diagram. The result of this study is a website application that can be run by a browser using a computer or mobile phone.

INTRODUCTION

Information is statements, ideas, and signs that contain values, meanings, and messages—both data, facts, and explanations—that can be seen, heard, and read and that are presented in various packaging and formats in accordance with the development of information and communication technology, either electronically or not (Law No. 14 of 2008, Article 1 Paragraph (1) concerning Public Information Openness). Information disclosure is a means of optimizing public supervision of the administration of the state and other public bodies and everything that has an impact on the public interest. Efforts to realize openness in the implementation of public services are a must in the context of the implementation of open, accountable, effective, and non-discriminatory public services. The application of the value of openness will also encourage increased public participation in monitoring and evaluating the implementation of public services. The

North Padang Lawas State Prosecutor's Office, located in North Padang Lawas Regency, is a Type B District Attorney led by the Chief District Attorney. The Prosecutor's Office is a state institution that exercises state power in the fields of law enforcement and justice. In carrying out its duties, there are still limitations and even public incomprehension of the mechanisms and processes of public services at the Prosecutor's Office. The North Padang Lawas State Prosecutor's Office is still displaying information manually in the form of data.

Which is posted on the wall so that there is a lack of public access to see the information displayed and the ineffective management of information from every field in the Padang State Attorney's Office

Old North. Departing from the description above, the author is interested in conceptualizing and developing a system to help existing problems with the title "Design and Build a Public Information Management System at the One-Stop Integrated Service Post (PTSP) at the North Padang Lawas State Attorney's Office". It is hoped that this system can assist in the management of information data and provide convenience to the public in seeing or accessing information available at the North Padang Lawas State Attorney's Office so as to achieve the objectives of public information openness.

RESEARCH METHODS

3.1. Research Stages

To complete this research so that it can be achieved in accordance with the goals and time set, the author compiles research steps such as figure 3.1 below.

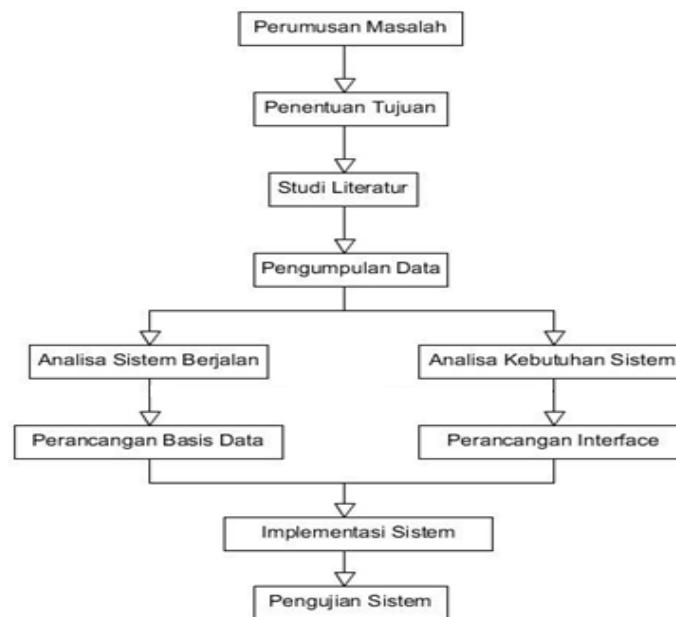


Figure 3. 1 Stages of Research

The process of research activities is carried out in several stages, as shown in figure 3.1. The expected result is a web-based public information management system to provide convenience to the North Padang Lawas State Attorney in managing and displaying public information.

Here are some stages that must be taken to obtain optimal results: Problem formulation is the determination of the problem to be solved :

1. Goal setting is the direction of the research to be carried out and determines the direction of the application to be built.
2. The study of literature is the search for resources related to the topic of the problem. Sources can be obtained from books, ebooks, articles, journals, or the internet that can help in finding materials related to these methods.
3. Data collection was carried out by conducting interviews directly with the North Padang Lawas State Prosecutor's Office to obtain the required data.
4. Analysis of the running system is useful for comparing and determining the shortcomings of the previous system so that it becomes a reference to improve the system to be built.
5. System requirements analysis is the determination of techniques for solving a problem and determining what is needed to build a system.
6. Only after comparing with the previous system

7. Database design is the process of determining the tables needed as a place to store data and information from the system to be built.
8. Interface design aims to determine the flow of communication between users and systems.
9. System implementation is a pre-designed development stage. System testing is a stage to ensure that the development carried out is in accordance with or not with the expected results. If it is appropriate, then the operation is carried out, and if not, then a re-examination is carried out to determine which parts still have deficiencies.

3.2. Research Design

After identifying the problem, the process of system design is carried out. System design can be defined as drawing, planning, and sketching of the system to be created. The design of this system uses UML (Unified Modeling Language).

3.2.1. Use Case Diagram

The following is a use case diagram from the Public Information Management System that shows the interaction between four actors, namely super admins, field admins, leaders, and public users.

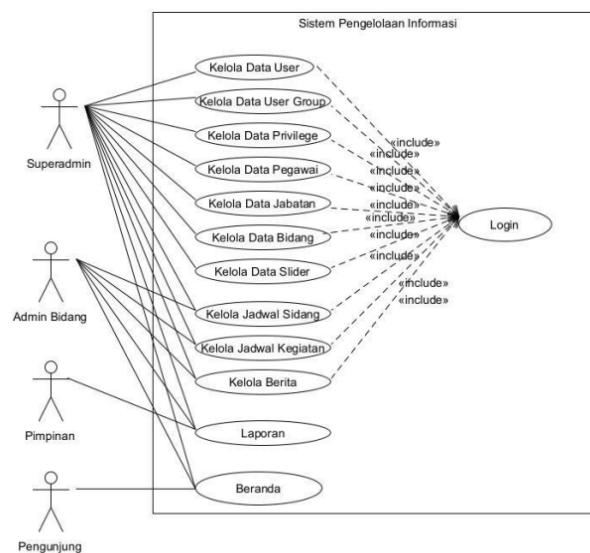


Figure 3. 2 Use Case Diagram

3.2.2. Class Diagram

The following is a class diagram of the public information management system at the One Pint Integrated Service Post (PTSP) at the web-based North Padang Lawas State Attorney's Office:

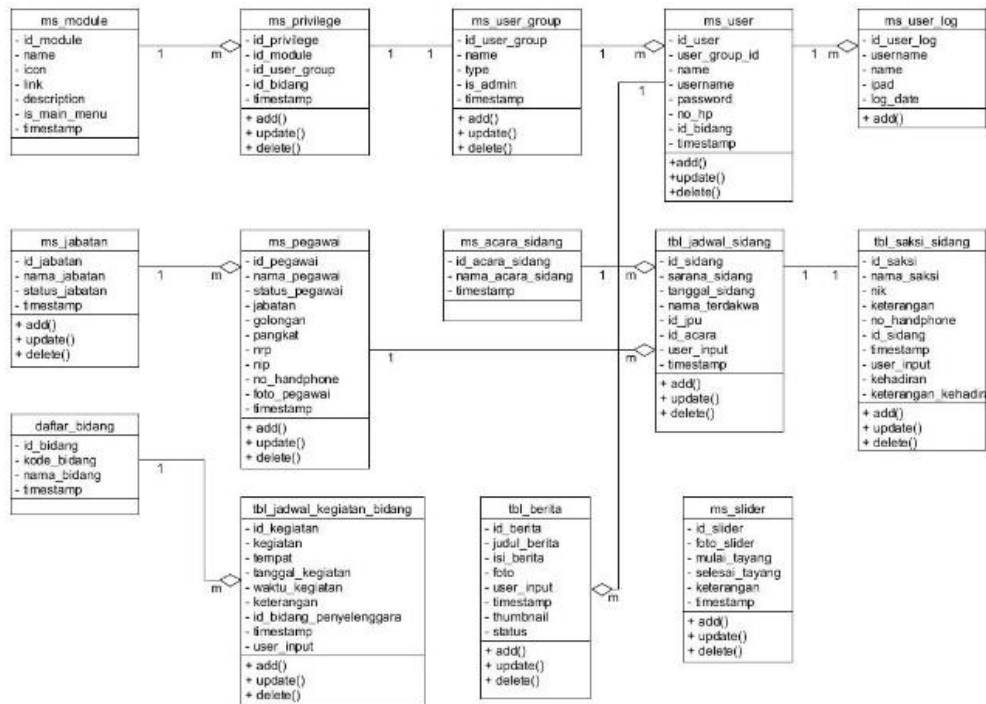


Figure 3. 3 Class Diagram

RESULTS AND DISCUSSION

Minimum Hardware and Software Specification Requirements

The results of the research in the form of applications that can make it easier for the public to see the information available at the North Padang Lawas State Attorney's Office need devices according to application needs so that they can run smoothly. System requirements are divided into two categories: hardware and software. This information management system requires good hardware in order to run smoothly. The specifications of the device used are as follows:

Table 4. 1 Hardware Specifications

No	Component Name	Specifications
1	Processor	Intel Core i3
2	Memory	4 GB
3	Hard disk	512 GB
4	Monitor	1355 x 768 pixel
5	Mouse	Mouse Wheel 2 Button 1 Scroll
6	Keyboard	Standard Keyboard

In addition, a medium is also needed to display information at the One-Stop Integrated Service Post (PTSP) at the North Padang Lawas State Attorney's Office, namely a 24-inch LED television. Software must also support the hardware in building and operating a system. The software specifications used are as follows:

Table 4. 2 Software Specifications

No	Component Name	Specifications
1	OS	Microsoft Windows 10
2	Application Server	XAMPP Control Panel v.3.3.0
3	Browser	Google Chrome and Mozilla Firefox
4	Text Editor	Sublime Text
5	Image Editor	UMLet dan Balsamiq Mockup
6	Programming language	Hypertext Preprocessor (PHP)

The implementation is carried out as a whole, from the appearance of the application to the work of the system and its functions.

Home Page

The home page is a landing page that can be accessed by all visitors without having to log in. The home page contains information. Prosecutors, trial schedules, activities, and other information are displayed in the form of sliders.



Figure 4. 1 Home Page

Trial Schedule Page

The Trial Schedule page is a page used to manage the schedule of the trial to be held. This page can be accessed by the field admin or user who is granted access. On this page, users can add multiple inputs, change data, and delete data. Users can also manage witness data at the "witness statement" hearing. They can add witness data, change witness data, and delete witness data.

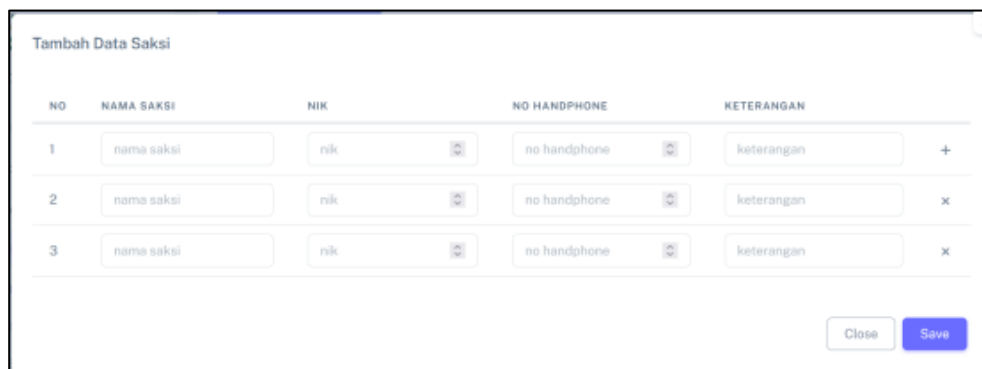


Figure 4. 2 Add witness data

Attendance Confirmation Page

The attendance confirmation page is a page accessed by witnesses to confirm court attendance. The attendance confirmation page link will be sent via WhatsApp message, which will be sent automatically when the field admin inputs the trial data.

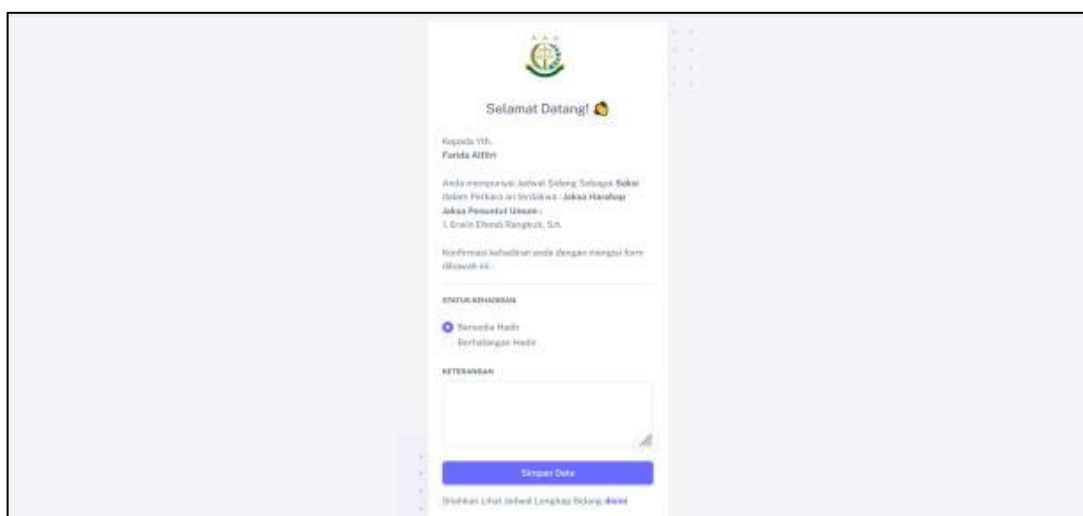


Figure 4. 3 Attendance Confirmation Page

Schedule Page

The Activity Schedule page is a page used to manage all activity data that will be carried out by each field. This page can be accessed by the field admin or other users who are granted access. Users can add activity data, modify data, and delete activity data..

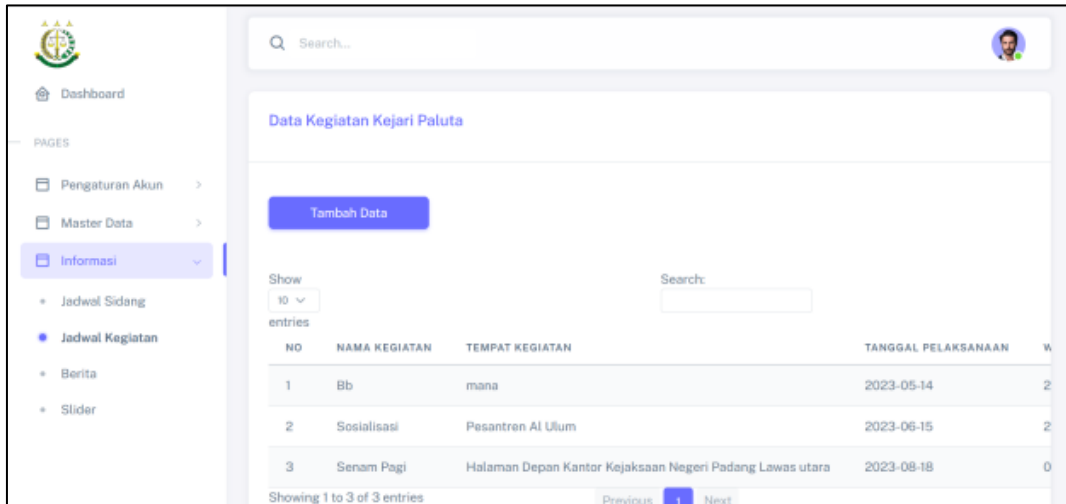


Figure 4. 4 Activity Schedule Page

News Page

News pages are pages used to manage the data that will be displayed. This page can be accessed by field administrators or users who have access. Users can add news, change inputted stories, set air dates, and delete stories.



Figure 4. 5 News Page

CONCLUSION

Based on the results and discussion of the Public Information Management System at the One-Stop Integrated Service Post at the Padang State Attorney's Office From the web-based North Law that has been described, the following conclusions are obtained:

1. Make it easier for the general public or related stakeholders to see information on

- activities, trial schedules, and other information on
2. The North Padang Lawas State Prosecutor's Office can be reached through the monitor in the PTSP waiting room or by accessing the website directly.
 3. Help prosecutors and witnesses remember the trial schedule that will be held through WhatsApp messages sent.
 4. From the results of the tests carried out, it can be said that the website that has been designed and built is running well and in accordance with its function.

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