

DEVELOPMENT OF INFORMATION SERVICE APPLICATION RT 07 / RW 10 KECAMATAN BEKASI SELATAN KELURAHAN JAKAMULYA WEBSITE BASED USING PHP AND MYSQL

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IndonesiaWindy_dwi@staff.gunadarma.ac.id**ABSTRACT**

Neighborhood association 07 is a government-recognized community organization and founded because of the wishes of the community. Until now, the activities of reporting, filing, critique and suggestions are carried out by face-to-face meetings, currently in Indonesia and the world is facing a coronavirus outbreak that forces everyone to stay at home and interact with other people avoid. So that the surrounding community becomes difficult to communicate with the ward unit 07 administrator. The purpose of creating this website is to make it easier for the community to communicate with the ward unit 07 without having to meet in person. Creating the Information Services 07 website uses the SDLC (System Development Life Cycle) method. The phases consist of system planning, system analysis, system design, system implementation and system testing. This website is easily accessible to users using a web browser connected to the Internet network at the address <http://lanmas07.masuk.id>.

Keyword : *Neighborhood association, community, website.*

1. PRELIMINARY

Technology is currently developing very fast. It is proven by the existence of technology today, a lot of work done will be much easier to do. The development of science and information technology has led to the widespread use of information technology as a tool in work activities, therefore every government agency should have a good and reliable information system. One of the developments of this technology is a website, a website is an application on the Internet that provides information in the form of hypertext. With the help of websites, information dissemination can be done easily.

At the moment all people have one problem in common, which is the outbreak of the coronavirus. This epidemic requires us to keep distance from each other and reduce outdoor activities. This has resulted in some people losing their jobs, so they need government support to cover basic needs, but people are finding it increasingly difficult to give and receive information from the local RT as residents fear being exposed to the coronavirus. Until now, the community has submitted reports by directly contacting one of the parties of the RT, therefore new innovations are needed to submit community reports without having to consult with the RT directly.

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Use of the internet can be done as a way of submitting public reports to the RT, including creating a website. A website that makes it easier for the public to submit reports, an example of the report is that a head of household has just received a letter from the hospital that one of his family members has tested positive for the corona virus, the report says. submitted to the RT. Based on the background presented, this

scholarly paper is titled *"Developing an Information Service Application for RT 07/10, South Bekasi District, Jakamulya Village, Based on a Website with PHP and MySQL"*.

3. LITERATURE REVIEW

Neighborhood association

Neighborhood association is essentially a social organization recognized and supported by the government to uphold and protect the life values of the Indonesian people, which is based on mutual cooperation and kinship and to aid the smooth performance of government duties and improve. The activities of the Neighborhood Association as a social institution as referred to in Article 2 paragraph 1 of the Minister of the Interior Regulation No. 5 of 2007 makes it clear that the existence of RT/RW social institutions aims to accelerate the realization of social welfare.

HTML

HTML stands for Hypertext Markup Language. HTML was first developed by Tim Berners-Lee in conjunction with the HTTP (Hypertext Transfer Protocol) protocol in 1989. The main purpose of developing HTML was to link one web page to another. In the early days of development web pages were of course text only unlike now. Basically every web page is written in HTML form. HTML is a web programming language that tells web browsers how to structure and present content on web pages. In other words, HTML is the foundation of the web.

PHP

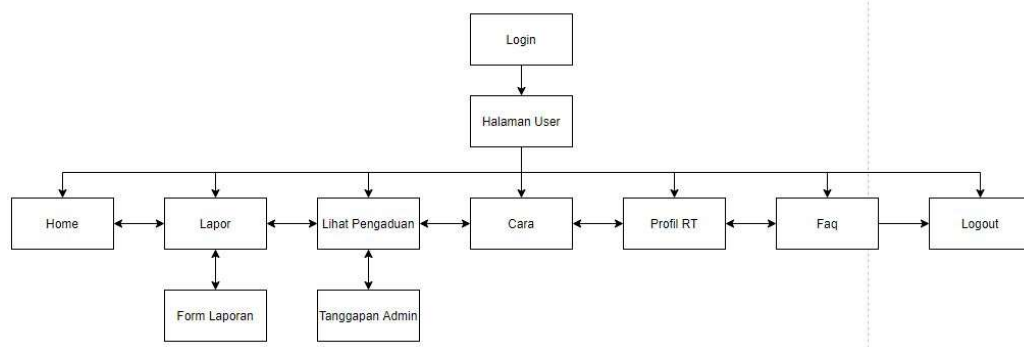
PHP is a web-based programming language written by and for web developers. PHP was first developed by Rasmus Lerdorf, a developer and member of the Apache team, and was released in late 1994. PHP was developed with the original purpose of bringing visitors only to Rasmus Lerdorf's personal website. In the second release, Form Interpreter, the second release SQL command translation tool is called PHP/FI. Since then, PHP has been accepted as a new programming language that is in high demand. Apparently, in mid-1997, about 50,000 sites worldwide were reported to be using PHP.

MYSQL

MySQL was developed by a Swedish company called MySQL AB, called TcX DataKonsult AB around 1994-1995, but the code's predecessor was around 1979. Initially, TcX created MySQL to develop web applications for customers. TcX is a consultancy for software development and databases. Currently MySQL has been acquired by Oracle Crop. MySQL is a very famous database server, it is widely used to build web applications and the database is the source and management of data. The popularity of MySQL is partly due to the fact that MySQL uses SQL as the base language to access the databases which makes it easy to use.

4. DISCUSSION

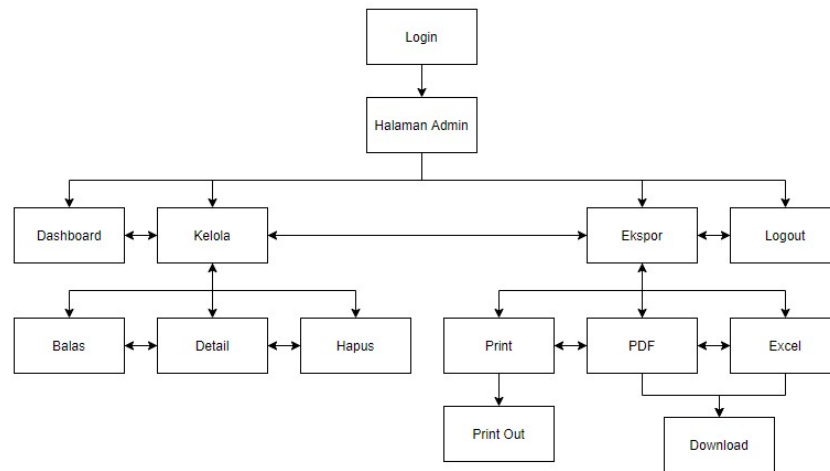
1. User Navigation Structure Design



Images 3.1 User Navigation Structure

In Images 3.1 it can be concluded that the user navigation structure uses the linear navigation structure type. A linear navigation structure is a navigation structure that has only one sequential set of stories, sequentially displaying one screen view. After logging in, the screen that appears next is the user page consisting of the start menu, report, view complaints, methods, RT profile, faq and logout. The report menu displays the report form and the complaint display menu displays the administrator's responses.

2. Admin Navigation Structure Design



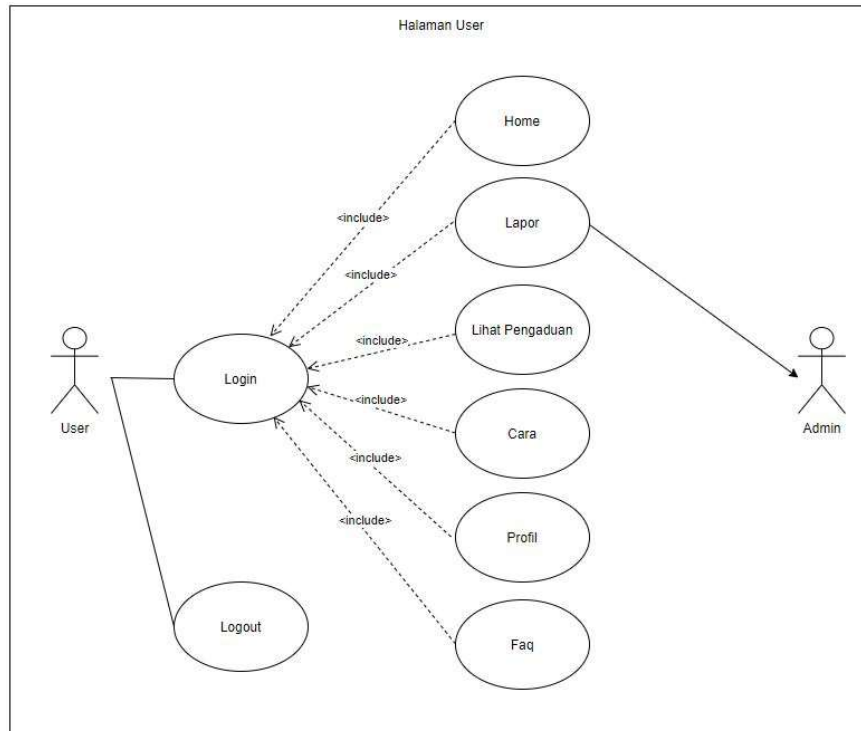
Gambar 3.2 Admin Navigation Structure

The admin navigation tree uses the same type of structure as the user, which is a linear navigation tree, because the navigation tree has only one sequential set of stories, with one screen view displayed sequentially after the other. After logging in to the admin page, you will see the dashboard menu, manage and export. The administration menu allows administrators to view report details, respond to reports and delete data, and the export menu allows administrators to print reports with 3 types of options, namely Print, PDF and Excel.

UML

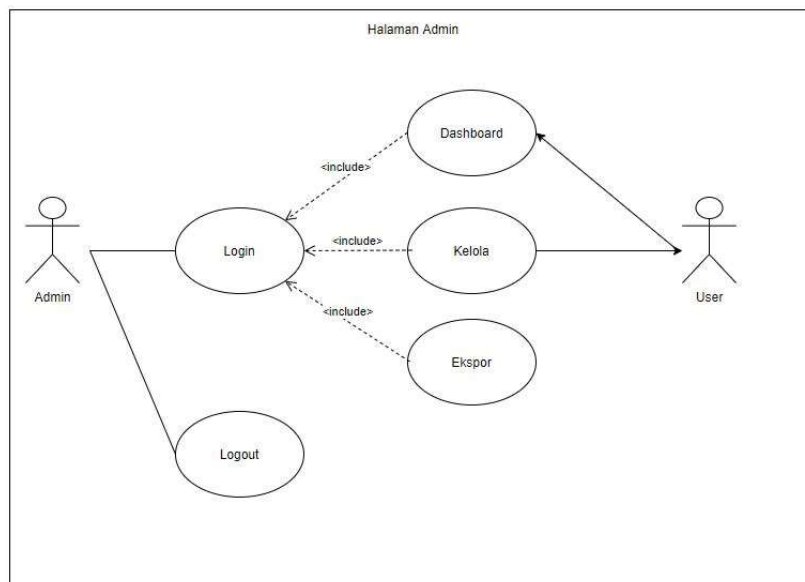
Usecase Diagrams

Use Case Diagram describes the activities performed by the system from the point of view of external observations, focusing on what to do, not how to do it. Use Case diagrams are closely related to events. Event (Scenario) is an example of what will happen when someone interacts with the system..



Images 3.3 Usecase Diagrams User

Images 3.3 shows that the user as an actor must first log in to access the Home, Report, View Complaints, Methods, Profile and Faq menus. In the report menu when the user enters a report, the data is received directly by the administrator.



Images 3.4 Usecase Diagrams Admin

Images 3.4 explains that the administrator as an actor must first log in to access, manage and export the dashboard. Reports provided by the user are entered in the dashboard and then managed and the results of their answers given to the user.

5. RESULT AND DISCUSSION

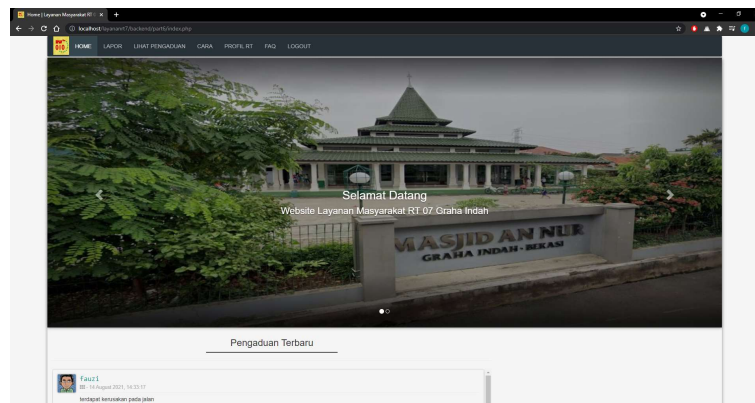
User Login Page



Images 3.5 User Login page

The login page shows a form to enter the username and password for the RT 07 Information Service account to login to the website. If the user does not have an account on the RT 07 Information Services website, the user can select the option “Don't have an account yet? Create an account!”.

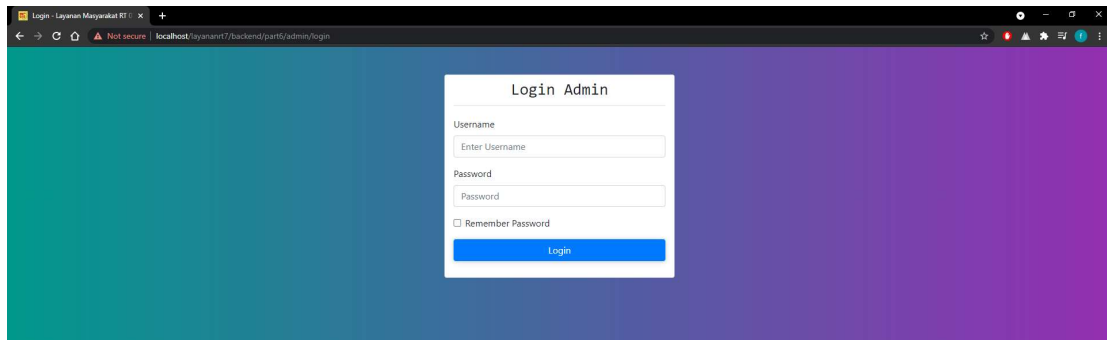
Homepage User Login



Images 3.6 Homepage User Login

The start page is the first screen after the user logs in to the website of the Information Service RT 07. This page contains moving banners and the latest complaints.

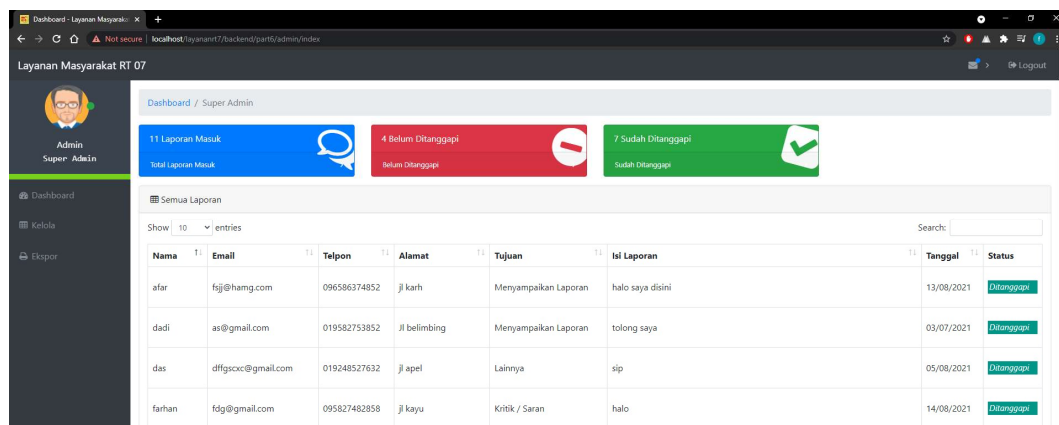
Login Page Admin



Images 3.7 Login Page Admin

This page is a special place for administrators to login. The admin login page is used to access the dashboard page that is only intended for admins. This page was created to prevent third parties from accessing the admin menu.

Dashboard Page Admin



Images 3.8 Dashboard Page Admin

The dashboard page is the page that appears after the administrator logs in. This page lists the number of incoming reports, which have not yet been responded to, have already responded to, and a table of reports from users.

6. CONCLUSIONS AND SUGGESTIONS

CONCLUSIONS

The RT 07 Information Services website is completed with PHP as the programming language using PHP Native, and MySQL as the database. Based on the results of the tests performed in the previous chapter, the RT 07 Information Services website can run according to the desired output. So it can be concluded that this website can run well and smoothly, users can access the website through the address <http://lanmas07.masuk.id/>.

SUGGESTIONS

The RT 07 Information Service website can be further developed by adding new features, such as adding financial administration facilities for residents, house plans for each resident and improving the look of the website to make it more attractive to look at.

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