

## VILLAGE FUND ALLOCATION INFORMATION SYSTEM FOR COMMUNITY EMPOWERMENT IN KLAMBIR LIMA KEBUN VILLAGE

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### ABSTRACT

*This study aims to provide information to the public about village funds that are applied to an online information system, in order to realize accountability and transparency of the budget of funds in the village. The procedure used is a descriptive qualitative research procedure and uses research information methods by observation, interviews, and documentation. The place of research to be conducted is in the village of Klambir Lima Gardens which is one of the villages located in the expanse of silver sub-district, Deli Serdang district, Medan city, North Sumatra. In line with the growth of people's expertise in development and the reduction of central government intervention in the region, so that development should be shown to change people's lives for the better. the type of project to be managed and the distribution of village fund allocations received by the village government to be used for operational costs for the administration of the village government, with the existence of an information system that can provide information about activities in the village and the form of village funds in the village of klambir lima gardens .*

**Keywords :** Transparency, Information System, Village Fund

### 1. Introduction

The village is the foremost entity in all processes of nation and state development. This makes the meaning village very strategic as the basis for the implementation of public services and the provision of local people's public rights. Even since the colonial period of the Dutch East Indies, the colonial government had realized the role of village strategy in the constellation of state administration at that time. In addition, the village is the closest political arena for the relationship between the community and the power holders (village apparatus)(Ramaano, 2021).

The village of Klambir Lima Gardens, which is one of the villages located in the expanse of silver sub-district, Deli district, Serdang city, Medan, North Sumatra. In line with the growth of people's expertise in development and the reduction of central government intervention in the region, so that development should be shown to change people's lives for the better. which will be managed and the distribution of village fund allocations received by the village government which will be used for operational costs for the administration of the village government, with the existence of an information system that can provide information on identifying activities in the village and the form of village funds in the village of klambir lima gardens.

The purpose of village development is to improve the welfare of human life and reduce poverty through the provision of fulfillment of basic needs, development of village facilities and infrastructure, development of local economic potential and sustainable use of natural resources and the environment. Village development is carried out by prioritizing the spirit of togetherness, kinship, and mutual cooperation in order to realize the mainstreaming of peace and social justice(Nawawi, et al., 2020; Purnomo, et al., 2020).

The existence of regional autonomy is present as an actual study concept that gives more portions to regions to channel all regional affairs and interests so that they can be managed independently according to the different potentials of each region(Wahyuni, et al., 2020). The development of digital media on the other hand, provides opportunities such as increasing e-commerce business opportunities, the birth of new digital media-based jobs, and the development of literacy skills without negating print-based text(Mufti, et al., 2020). In the era of regional autonomy, the village is a very important part in determining the success of development and in

direct contact with the community, especially in public services. Another problem faced by the village apparatus is the lack of skill level of the village apparatus with the demands of a more dynamic society(Umar, et al., 2020; Herawati, et al., 2018)

The indicator of the success of this activity is the implementation of training covering how to use two social media applications, as well as how to search or use the available websites. Participants are able to install applications, create new accounts, upload photos and provide photo descriptions. Participants are able to add followers and communicate with other accounts(Nugroho, et al., 2021; Rodiah, et al., 2019; Ramaano, 2022; Fatimah, et al., 2018).

Community empowerment (empowerment) as an alternative strategy in development has developed in various literatures and thoughts even though in reality it has not been maximally implemented. Community development and empowerment are things that are widely discussed by the community because they are related to the progress and changes of this nation in the future, especially if it is associated with community skills that are still lacking, it will greatly hamper economic growth itself(Susilawati, et al., 2018; Hermawan, 2019; Mafruhah, et al. 2019).

**3. Research Methods**

To assist this research, a research phase framework is needed. The stages of this research are the steps that will be tried in solving the problems discussed. There are also stages of research used are as follows:

**Identification of problems**

At this stage the authors carry out identification of problems in the system that is currently running in order to identify the needs that must be met by the author. With the method of observing/observing, studying, and studying more deeply what problems are experienced by the village in the field of village fund allocation(Erfani, et al., 2019).

**Literature Research**

At this stage the author conducts a search on the theoretical foundations obtained from various dailies on the internet, in order to assist the author in completing the research conducted.

**Data analysis**

In this session the authors carry out an analysis of the information obtained to design a new data system. This analysis has the aim of identifying what needs are needed on the system that is running after it is adjusted to the program to be built.

**System planning**

The design of the system used in making the system, using UML (Unified Modeling Language) is a Use Case Diagram. Activity Diagrams, Sequency Diagrams and Class Diagrams(Arifin & Siahaan, 2020).

1. System design with use case diagrams.

Users and admins can access the menu in the system which is marked with an arrow leading to the use case. The use case diagram can be seen in the following image:

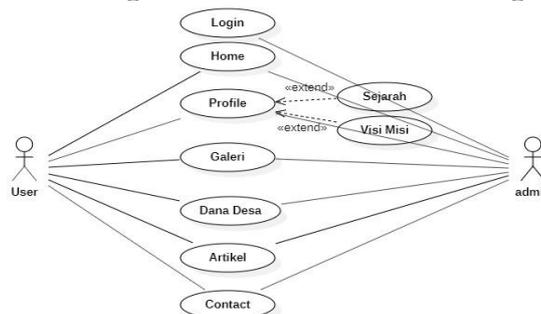


Figure 1. Use case Diagram admin and User

2. System Design with Activity Diagram is a technique to describe procedural logic, business processes and work flow in many cases. Activity diagrams describe how the activities that occur in the system to be designed(Jafari, et. al., 2020). The activity diagram is the same as a flowchart that describes the processes that occur between actors and the system, the design of the activity diagram for the village fund allocation system is as follows:

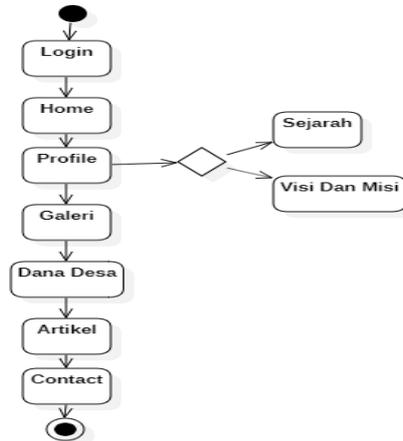


Figure 2. Activity Diagram

3. System design with sequence diagrams are used to describe the behavior of actors in a system in detail according to time(Alshayeb, et al., 2020). This diagram shows a number of examples of objects and messages that are placed between objects in the use case, the design of the Sequence diagram in this system explains the sequence of steps taken by admin and users to manage the village information system, as in the picture below these are as follows:

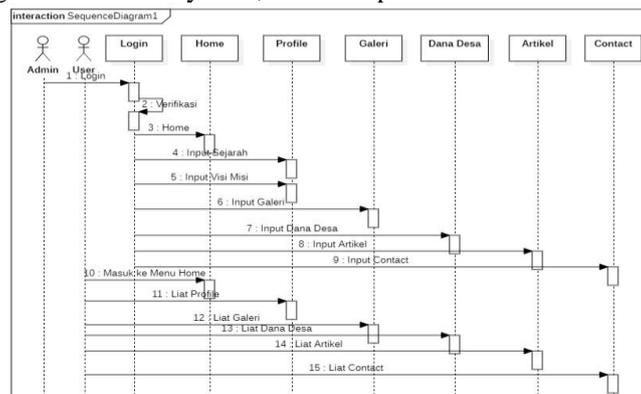


Figure 3. Sequence Diagram Admin and User

4. System Design with Class diagrams to provide an overview of the relationship between the tables in the database(Fauzan, et al., 2018). Each class has attributes and methods or functions according to the process that occurs, while the Class diagram can be seen in the following figure:

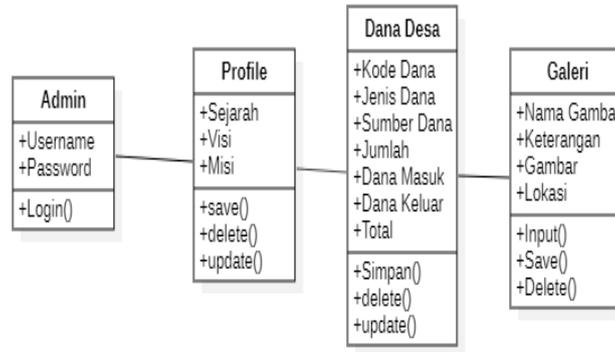


Figure 4. Class Diagram

**4. Results and Discussions**

The following is the result of the village fund information system which is a screenshot of the system based on its functions and uses:

**1. Admin login page**

This display is an initial display as a first entry permit in order to operate the village information system, it can be seen in the image below:

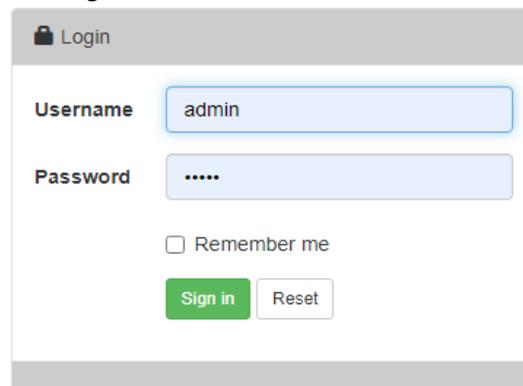


Figure 5. Login page

**2. Home Menu**

This page functions to display all the features that exist in the system according to the design that has been made, as shown in the image below:

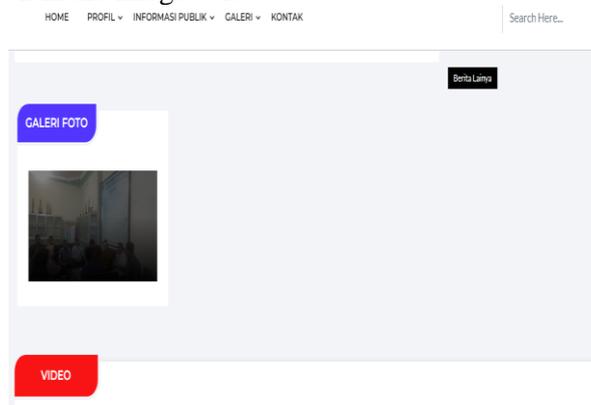


Figure 6. Home Menu

**3. Profile menu**

This menu describes the profile of the village of Klambir Lima along with the history and vision and mission of the village, as shown in the image below:

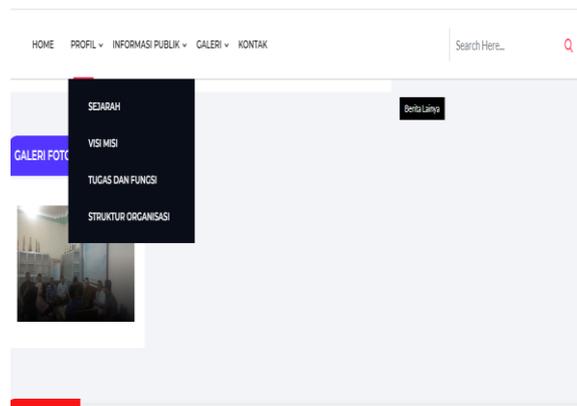


Figure 7. Profile menu

#### 4. Information Menu

In the information menu there is a sub menu that contains news of activities, announcements, agendas and others, which can be seen in the image below:

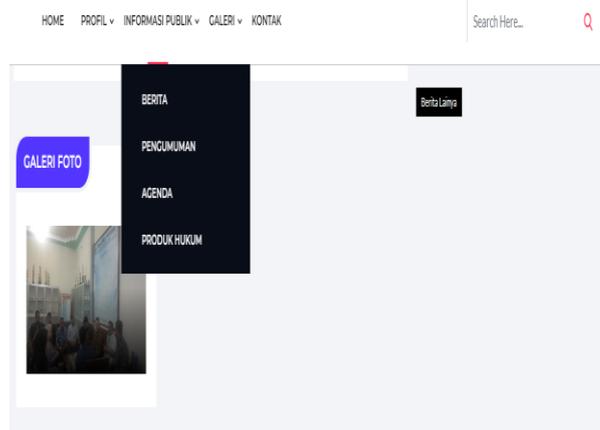


Figure 8. Information Menu

#### 5. Gallery Menu

This menu contains photos of activities carried out in the village of Klambir Lima Gardens, which can be seen in the image below:

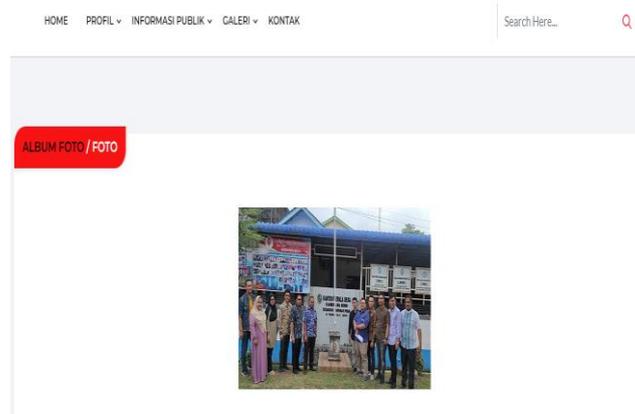


Figure 9. Gallery Menu

#### 6. Contact Menu

In the contact menu, there is a telephone/mobile number that can be contacted by the people of the village of Klambir Lima Gardens, it can be seen in the picture below:

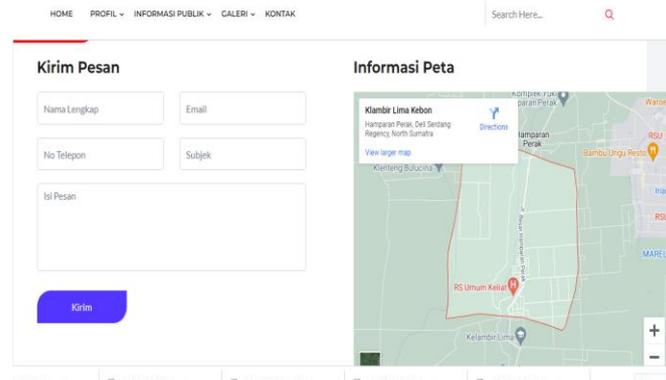


Figure 10. Contact menu

## 5. Conclusion

Based on the results of the research above, the following conclusions can be drawn:

1. With the creation of a village information system that involves all village communities, it can provide a rapid village development process
2. The system built provides a transparency impact between the village and the community and also makes it easier for the community to find updated information in the village of klambir lima gardens.
3. Providing budgetary effectiveness to the community and village officials

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