

Village Fund Allocation Information System Design

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Abstract: Village development has a very important and strategic role in the context of National Development and Regional Development. In village development, the village government is located as a subsystem of the government administration system in Indonesia, so that the village has the authority, duties and obligations to regulate and manage the interests of its own community. In carrying out the authority, duties, and obligations of the village in the administration of government and development, a source of village income is needed. In the process of managing the Village (Gampong) Fund Allocation, Peukan Bada District, Aceh Besar District, the village government is faced with the condition of the community's education level being still weak. Based on previous research, this research has a purpose, namely to describe and analyze the Management of Village Fund Allocation in empowering rural communities; the driving and inhibiting factors for the management of Village Fund Allocation in empowering rural communities in Peukan Bada District, Aceh Besar District. The objectives to be achieved from this research are; create an online budget data processing information system design, and improve all aspects of data forms or expand the relationship or relationship of each data. The design method used is the waterfall model taking basic activities such as specification, development, validation, and evolution and representing them as phases such as requirements specification, software design, implementation, testing and so on. Based on the results of the analysis and design of the village fund allocation information system, it can be seen that until now it is still done manually. The author can conclude including; the design of the village fund allocation application can provide convenience in carrying out the implementation process of gampong development, and the use of a system that is still manual has limitations in the data storage process, data search and report generation process.

Index Terms: Analysis; Design; Information Systems; Allocation of Village Funds.

1. Introduction

The Indonesian government continues to strive to improve the implementation of National Development so that the pace of regional development and the pace of rural and urban development is more balanced and harmonious [1][2]. However, national development in its implementation is still faced with the main problems of development such as development inequality between rural and urban areas in Indonesia [3][4]. Development inequality occurs because of many factors that influence it so that development in Indonesia is not evenly distributed so that it has an impact on high poverty in Indonesia [5][6]. In relation to the problem of poverty, according to BPS data, the number of poor people in 2012 was 8.60% of urban population with poverty, while poverty in rural areas was 14.70%. Responding to these problems, the government's strategy to overcome development inequality is to implement national development that pays great attention to village development. Village development has a very important and strategic role in the framework of National Development and Regional Development [7], because it contains elements of equitable distribution of

development and its results and directly touches the interests of the majority of people who live in rural areas in an effort to improve their welfare [8][9]. In village development, village government is located as a subsystem of the government administration system in Indonesia [9][10], so that the village has the authority, duty and obligation to regulate and manage the interests of its own community. In carrying out the authority, duties, and obligations of the village in the administration of government and development, a source of village income is needed [11][12]. In response to this problem, the government provides financial support to villages, one of which is from the Financial Balance fund between the Central Government and the Regional Government, a minimum of 10% is earmarked for villages called Allocation of Village/Gampong Funds (ADD/ADG). The purpose of providing ADD/ADG is actually as stimulant assistance or stimulant funds to encourage the financing of village government programs that are supported by the participation of community self-help mutual assistance in carrying out government activities and community empowerment. From the details of the use of ADD/ADG, it is necessary to have good management from the village government so that in its implementation it can be in accordance with the goals and objectives of ADD/ADG. The Village Fund Allocation Manager in Peukan Bada Subdistrict in the village is the Village Head, the Technical Implementer of Village Financial Management (PTPKD), and the Village Treasurer are expected to understand and understand the management of Village Fund Allocation.

In the process of managing the Allocation of Village Funds/Gampong, Peukan Bada District, Aceh Besar District, the village government is faced with the condition of the community's level of education being still weak. Based on previous research, this research has a purpose, namely to describe and analyze the Management of Village Fund Allocation in empowering rural communities; the driving and inhibiting factors for managing the Village Fund Allocation in empowering the Rima Jeuneu village community in Peukan Bada District, Aceh Besar District. Peukan Bada sub-district is one of the sub-districts in Aceh Besar district whose processing of village fund allocation data is considered to be still less effective and efficient. Peukan Bada Sub-district, Aceh Besar District, in which it processes village fund allocation data, especially the fund allocation report system, has indeed utilized a computer-based system, namely using Ms Word and Ms Excel, it's just that it can only process local-based data so it is not fast in the update process. data accurately. The presence of the Ministry of Villages, Development of Disadvantaged Regions, and Transmigration has a mandate to carry out the Jokowi-JK NAWACITA, especially the Third NAWACITA, namely "Building Indonesia from the periphery by strengthening regions and villages". One of the big agendas is to oversee the implementation of Law No. 6/2014 on Villages in a systematic, consistent and sustainable manner with facilitation, supervision and assistance. Village assistance is not just carrying out the mandate of the Village Law, but also an important modality to oversee village change to create an independent and innovative village.

We hope that from day-to-day innovative villages are growing well, partly because of assistance, whether carried out by government institutions, universities, companies or non-governmental organizations. As a new Ministry, the Ministry of Villages, PDT and Transmigration is committed to leaving the old ways and starting new ways of assisting villages. Village assistance is not accompanying the implementation of projects that enter the village, nor assisting and supervising the use of the Village Fund, but providing complete assistance to the village. Mentoring is principally different from coaching. In coaching, between the coach and the coached, there is a hierarchical relationship; that knowledge and truth flow in one direction from top to bottom. On the other hand, in mentoring, the companions stand on an equal footing with those being accompanied (stand side by side).

2. Research Method

This research has several stages in website design using the waterfall model. This research begins with observation by going to the research location, after that it enters the problem formulation stage of the research that the author examines where the author formulates every problem and obstacle that exists, then the author collects data both from interviews and literature studies, from the results of these interviews the authors observe system that is running and analyzes the design of the new system, after the analysis process the author will design a new system starting from making the data flow diagram of the design system, making display templates and creating databases [13], after the design the author will implement the system that has been designed, after the application of course the author requires maintenance of the application so that the system is maintained rather than viruses and existing damage, from this application the author will present reporting from this application that has been designed.

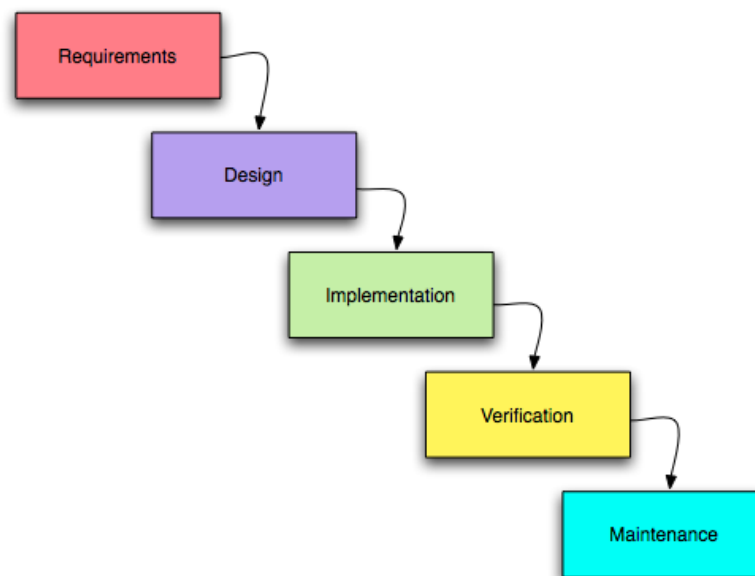


Fig 1. Stages in Waterfall

3. Result and Discussion

3.1 Results

The design of this village fund allocation information system aims to provide an overview to identify the components to be designed. The design using the PHP MySQL application that the author designed consists of several stages, namely input design, output design, database implementation, process design. This design later the author hopes to make it easier for every user, especially the Village Fund Allocation section. The input design for this system is; Village Shopping Data Input, and Gampong Financing Data Input. The design outputs for this system are; Village Revenue and Expenditure Budget Report, Recap of Realization of Village Revenue and Expenditure Budget, Budget Plan Report (RAB), and Cash Book Report. Village Fund Data processing is carried out by means of book-entry from the RKUN (State General Treasury Account, hereinafter abbreviated as RKUN, is an account where state money is stored as determined by the Minister as the State General Treasurer to accommodate all state revenues and pay all state expenditures at the central bank) to the RKUD (Account). Regional General Cash, hereinafter abbreviated as RKUD, is an account where regional money is deposited which is determined by the regent/mayor to accommodate all regional revenues and pay all regional expenditures at the designated bank) and is eventually transferred to the RKD (Village Cash Account, hereinafter abbreviated as RKD). the Village Government money deposit account which accommodates all Village receipts and is used to pay all Village expenditures at the designated bank) as reads in Article 15 paragraph 1 which is then explained again the percentage in the next paragraph which is carried out no later than the second week. the relevant two months from the RKUN account to the RKUD and no later than 7 days from the RKUD account to the RKD at each stage. Implementation is the stage where the system is ready to be operated at the actual stage, so that it will be known whether the system that has been made is really as planned. In the implementation of this software, it will be explained how this system program works, by giving the appearance of the system or application created. The implementation of this application consists of several pages that have their own functions. The pages will appear sequentially in the order that has been programmed.



Fig 2. Login Menu Page

The login page is one of the security measures against those who are not entitled to enter the admin page. The login page consists of 2 (two) entries, namely; usernames and passwords. If one of them is not correct, it will be returned to the login form condition, if successful, it will be redirected to the admin page.

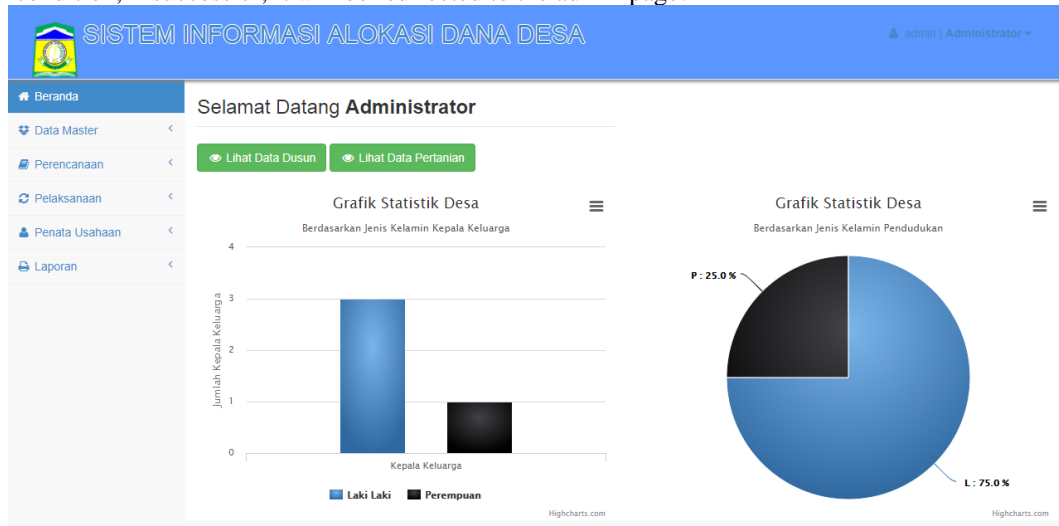


Fig 3. Admin Form

On the admin page consists of several menus such as; master data, planning, implementation, administration, and reports. The master sub menu consists of users, fields, programs, and activities. Meanwhile, the planning sub menu consists of the RKA for spending, the RKA for income, the Raperdes, and the village APB. The implementation sub menu consists of a budget plan, and a letter of request for payment. The administration sub-menu consists of a general cash book, a cash subsidiary book, a tax subsidiary book, and a village bank book. Furthermore, the report sub menu consists of a budget plan report, realization report, reperdes report, and village budget report.

3.2 Discussion

Design This village fund allocation information system provides an overview to identify the components to be designed. The design using the PHP MySql application that the author designed consists of several stages, namely input design, output design, database implementation, process design. This design later the author hopes to make it easier for every user, especially the Village Fund Allocation section. The Village Fund Allocation application uses a computer with PC Proc specifications. Intel Core i3 2.50 GHz, 2 Gb DDR2 RAM, 500 Gb A SATA HDD, DVD RW, LCD 15, Printer: Canon ip 1990 and Epson C90, UPS ICACE600, Operating System: Microsoft Windows XP Professional. For the required size, it is only 42 Mb but because it is web, then this application is run on a browser, it is recommended to use Google Chrome and XAMPP with PHP 7.5 and above is also required.

4. Related Work

Some studies have different research objects in designing the Village Fund Allocation Information System, although the village fund management rules have been set by the Government. Yana, Gunawan, & Budiman research (2020) made the Financial Distribution Service Information System for Development able to provide reporting and management of village funds for development used in Srikaya Hamlet, Central Sukadana Village, Sukadana District, East Lampung Regency. This application only focuses on handling finances on the budget plan report (RAB) [14]. In contrast to research by Pakpahan & Faâ (2020) it produces an application that is capable of inputting budgets, receiving funds and realizing budgets and ultimately recapitulating [15]. This research is still classified as very low from the effectiveness of the use of the modules and features offered. A village fund management system should have government internal control over village fund management accountability [16] and built with built-in internal control so that errors that occur can also be minimized [17]. The research we conducted has handled all village financial management administration in accordance with Ministry of Home Affairs Regulation (Permendagri) number 20 of 2018 concerning Ministry of Home Affairs Regulation (Permendagri) regarding Village Financial Management and Ministry of Home Affairs Regulation (Permendagri) number 73 of 2020 concerning Regulations Ministry of Home Affairs (Permendagri) concerning Supervision of Village Financial Management. In the supervision of the Village Fund Allocation, it must comply with government regulations [18] so that the village financial application system is very helpful in managing transparent and accountable village fund management [19].

5. Conclusion

Based on the results of the design activities of the village fund allocation information system, it can be seen that until now it is still done manually. The author can conclude several things that the design of the village fund allocation application can provide convenience in carrying out the implementation process of gampong development, the use of a system that is still manual has limitations in the data storage process, data search and report generation process. So it is hoped that this application can be utilized and used optimally for smooth activities and every village development activity.

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