



The Role of SIPEMIMPIN in Improving Public Works Physical And Financial Reporting Quality

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Abstract. This study aims to analyse the effect of the implementation of the Infrastructure Development Monitoring and Control System (SIPEMIMPIN) on the quality of physical and financial reports of the Public Works and Spatial Planning Office. The utilisation of the Infrastructure Development Monitoring and Control System is regulated in Governor Regulation Number 3 of 2021. Since the establishment of West Sulawesi Province 18 years ago, until now there has been no easily accessible Evaluation System related to PUPR infrastructure development, resulting in slow PUPR infrastructure development policy making which has an impact on PUPR infrastructure services. This research is a type of research using information technology. The research method used in this research is using theoretical research methods. The results of this study are this system is expected to support the successful implementation of activities at the Public Works and Spatial Planning Office of West Sulawesi Province which includes: Physical Realisation of Activities, Financial Realisation of Activities, Work Targets and Outputs, Auction Realisation, Project Problem Information, Infrastructure Condition Information as a place to store administrative documents of OPD activities that are archived properly in an Information System.

Keywords: *Applications, Surveillance Systems, Development Control, Infrastructure*

1 INTRODUCTION

Technology as a support for human life is developing more rapidly as time goes by. Digitalisation in the world of construction is not an exception. Like an electronic reporting system, this SIPEMIMPIN provides features to create a Menu for Each Aitem of Financial and Physical Reporting Work Implementation, collect Budget Plan Cost (RAB) Data, view Financial and Physical Progress Results of Work Implementation, and upload and download Data for each Work Implementation [1]. When it was first developed, this SIPEMIMPIN could only be accessed by Admins at Bina Jasa Konstruksi.

Along with its use, it turns out that this Infrastructure development Monitoring and Control system is very helpful in the Financial and Physical Reporting process and Supervisory Consultants become more structured and independent. Therefore, in 2021, SIPEMIMPIN will be applied as a whole at the field level in the Implementation of Physical Reporting of Construction Activities and Financial Reporting at the Public Works and Spatial Planning Office.

Based on the data of the SIPEMIMPIN Physical and Financial Realisation report in 2023, during 1 year of operation there were 3 Sections recorded as reporting the implementation of construction activities. Various opinions and assessments about SIPEMIMPIN from the Head of the Field are increasingly varied. Andi Erlan, as the Head of Division who actively uses SIPEMIMPIN, said that the effect of the SIPEMIMPIN platform can be a one-stop shop for all Physical and Financial Activity Reporting. Starting from entering Contract Data, RAB, to Activity Documentation it is done in SIPEMIMPIN. Especially for the Physical Activity Data collection feature which can be inputted on time for collection.

West Sulawesi Governor Regulation Number 3 of 2021 concerning Supervision and Control of Infrastructure development directs that in order to optimise the planning and implementation of infrastructure development in the regions, supervision and control by the local government is needed. The Physical and Financial Realisation Report is prepared as a form of accountability for the implementation of the duties and functions that have been mandated to each government agency for the use of all its resources, including human resources, facilities and infrastructure, and budget (DPA). For this reason, the physical and financial reports will be described from the beginning to the end of the fiscal year through the SIPEMIMPIN Application[2].

This Infrastructure Development Monitoring and Control System (SIPEMIMPIN) is expected to support the successful implementation of activities at the Public Works and Spatial Planning Office of West Sulawesi Province which includes: Physical Realisation of Activities, Financial Realisation of Activities, Work Targets and Outputs, Realisation of Auctions, Information on Project Problems, Information on Infrastructure Conditions, As a storage place for administrative documents of OPD activities that are properly archived in an Information System.

To achieve good Government Agency Accountability, the Public Works and Spatial Planning Office of West Sulawesi Province as an auxiliary element of the leadership, is required to always improve the performance of Physical and Financial reports. The process of Physical and Financial reporting to the SIPEMIMPIN application has been carried out by previous research. Data entry on the SIPEMIMPIN application that has been launched for a long time needs to be known for the benefit of developing the application. So far, behavioural aspects have taken a big role in the process of storing Physical and Financial report data, so research is needed to determine the behavioural aspects of the influence of implementation on the SIPEMIMPIN application.

Overall, the Infrastructure Development Monitoring and Control Application (SIPEMIMPIN) has one type of user with access rights. Admin in this system uses a web-based SIPEMIMPIN system. Admin access rights are to manage SIPEMIMPIN master data and provide validity access to Construction Work Report Data available in the application. The Web-based SIPEMIMPIN application is used by Admins who act as system users. The Web-based SIPEMIMPIN application is able to store data on Physical Realisation of Activities, Financial Realisation, Job Targets and Outputs, Project Problem Information, Information on Infrastructure Conditions, as a storage place for administrative documents for OPD activities that are properly archived in a direct Information System.

With this SIPEMIMPIN application, it will be more effective in completing physical and financial reporting, providing information about budget transparency and implementing construction work according to the contract. Based on the background of the problem, it is known that the Public Works and Spatial Planning Office requires optimal use of application technology. So research was conducted to find out more about the Effect of Application Technology to support the performance of the Use of the SIPEMIMPIN Application for Physical and Financial Reporting Needs at the Public Works Office.

With the Browser as follows: <https://SIPEMIMPIN.sulbarprov.go.id> , then press enter on the Enter key on the Keyboard key, the front page of the Sileader application will appear. Then on the screen will appear the SILEADER Site Opening / Start Page menu. as in the following image

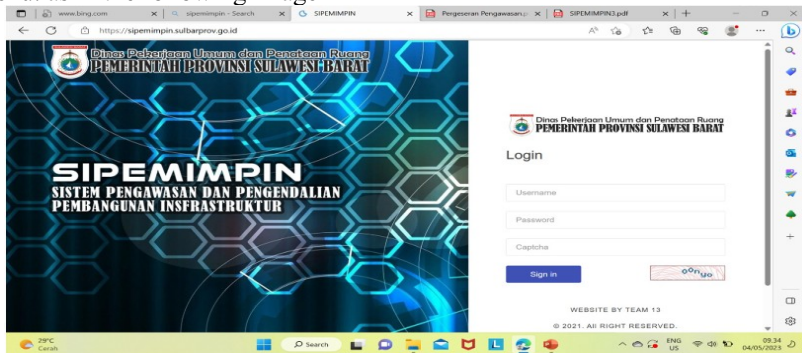


Fig. 1. Siguru App View

After successfully logging, it will appear as shown in the list of the physical and financial statements shown in figure 2.

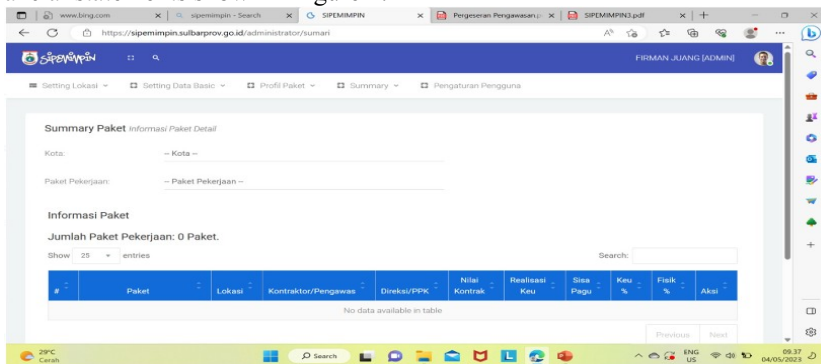


Fig. 2. SIPEMIMPIN Application Menu Display

Next is the step of importing Data of the Cost Budget Plan (RAB) report according to the needs of the implementation of the physical and financial report of the Construction work To start importing Data. When you have finished Input, Click the Save button so that the data enters the server and Click the save button to complete the input process and Return to the previous menu.

2 LITERATURE REVIEW

2.1 Definition of Technology

Today's technology is very important and cannot be separated from human life [3]. Without technology, it will be impossible for humans to acquire all knowledge or information from any location. The term "technology" is derived from the Greek words "technologia," which means "expertise," and "logia," which means "knowledge." In a restricted sense, technology refers to an object that is used to facilitate human labor, such as machines, tools, or other hardware. Technology can encompass the significance of organizational systems and techniques in a more comprehensive sense. Nevertheless, the definition of technology is evolving in tandem with the advancement and evolution of society. Consequently, technology is now a concept that pertains to the manner in which instruments, skills, and knowledge are employed, as well as the extent to which they can influence the capacity of humans to manipulate and alter their surroundings [4]. Technology is: Science and art that are transformed into products, processes, services and organized structures which are basically a set of instruments for the expansion of human power so that they can become resources of new ways to create wealth through increased productivity. Technology is closely related to science and engineering. The technology itself contains two dimensions. The two between science and engineering cannot be separated from each other.

2.2 Utilization of Technology

The term "utilization" is derived from the term "benefit," which is a foresight that exclusively illustrates the act of receiving. This foresight typically results in the acquisition or utilization of beneficial items, either directly or indirectly, in order to facilitate their utility [5]. Utilization itself has various meanings. This definition is according to various experts, one of which is according to J.S badudu. Utilization itself contains the meaning of using things that are useful, whether used directly or indirectly. According to J.S. Badudu said that: "Utilization is a thing, a way, the result of work in utilizing something useful" [6]. Utilizing something useful is a form of utilization. If a result of work is useless, it cannot be said to be useful. Utilization itself has the meaning of more than one word. The word is often used in daily life. Some opinions have put forward the meaning of the word utilization itself and it is almost the same. Based on the opinions described above, it can be concluded that utilization is a way of working in utilizing something useful. Utilization can be interpreted as taking advantage of something useful and can be used. The use of useful and usable things is not only directly but can be indirect.

2.3 Application

An application is a subclass of computer software that utilizes the ability of a computer directly to perform a task desired by the user in English (software application) [7]. Worksheets and media devices. The term "application" is derived

from the English word "application," which can be translated as "use" or "application." In its most basic form, an application is a software program or application that has been specifically designed to execute specific duties [8].

3 RESEARCH METHODS

The method used in this study is to use a descriptive research method with a qualitative approach. The qualitative method is a scientific research that aims to understand a phenomenon in a natural social context by prioritizing the process of deep communication interaction between the researcher and the phenomenon being studied [9]. The reason for using qualitative descriptives is because the data obtained cannot be calculated mathematically because it is in the form of words and the data that has been collected is presented scientifically (as it is). The data or information obtained is described in accordance with the reality in the field and presented in the form of words or sentences that are then drawn to a conclusion [10]. This study intends to discuss the phenomenon and describe matters related to the Influence of the Implementation of the Infrastructure Development Supervision and Control System (Sileader) on the Quality of Physical and Financial Reports in the Public Works and Spatial Planning Office. Data collection techniques are a step in research, because the main purpose of research is to obtain data. This study uses several data collection techniques. The techniques used in this study are as follows: a. Observation; b. Interviews c. Documentation.

The subject of this study is a person who can provide information about the situation and conditions of the research environment. The main sources of data in qualitative research are words and actions. The rest are like documents and others. In this study, purposive sampling is used, which is the selection of research informants based on certain considerations (for example, the person is considered to know about the information needed in this study).

4 RESULTS AND DISCUSSION

The results of the research on the Effect of the Implementation of the Infrastructure Development Supervision and Control System (Sileader) on the Quality of Physical and Financial Reports in the Public Works and Spatial Planning Office in the Utilization of Application Technology to Support Reporting Performance in the Public Works and Spatial Planning Office, namely data processing tasks that include transmitting, storing, retrieving and displaying data. In addition, the researcher also researched what are the benefits of using the Application. Based on the results of observations, interviews with research informants, and documentation in the Construction Services Division of the Public Works and Spatial Planning Office, the following research results were obtained:

1) Data processing tasks

The type of processing can convert the data into information on the Implementation Progress Report. The processing of this data uses a computer. After

processing, this data usually has informative value if it is expressed and packaged in an organized and neat manner. Initial stage carried out:

a) Transmitting data

Transmitting data is very important in data processing tasks, because by transmitting data it can be distributed from one person to another. Data transmission is a process to send data from one of the data sources to the data recipient using a computer/electronic media. In order to ensure that the data is readily comprehensible and accepted by others. Data transmission can be accomplished through the Sileader Web. The Regional Apparatus is significantly aided by the Siguru Application, as it is capable of transmitting data via a computer, eliminating the need for manual methods in financial reporting and physical realization. This was disclosed by Andi Erlan Dai, the Head of Construction Development.

b) Storing data

Storing data is a series of data processing tasks that are urgently needed. Saving data is done after the data has been retrieved. The data that has been taken is then stored so that the data is not lost and it is easy to find it again when needed. Storing data is very necessary to avoid data loss or, for example, computer equipment experiencing errors. Storing data can be done by using the Sileader Web. The results of observations made in the Construction Services Division of the Public Works and Spatial Planning Office, that the Sileader device is very easy in storing data on the Physical Realization of Activities, Financial Realization of Activities, Work Targets and Outputs, Auction Realization, Project Problem Information, Information on Women's Infrastructure Conditions, as a place to store administrative documents for OPD activities that are well archived in an Information System. This is in accordance with the statement of Mr. Andi Erlan Dai as the Head of Construction Services, namely: Very easy, with the Si Leader Application, it is easy to store data and also easy to find data that is needed at any time.

c) Displaying data

Displaying data in data processing is very necessary, because without displaying data, you will not know the results of the information that has been obtained. The admin after carrying out the Data Inclusion process, then the last step taken is to display the data. The data that has been captured and processed into Physical and Financial Reports that are ready to be received, then the data is displayed. Displaying data can be done in two ways, namely in the form of a hard copy display and also in the form of a soft copy display. If the Admin wants to display the data in hard copy form, the data is printed first. The observation results show that displaying data in the Construction Services Sector is in the form of hard copies and soft copies. Hard copy to make it easier for the Admin to inform the leadership to evaluate the extent of the progress of the activities carried out. This is strengthened by the opinion of Mrs. Hj. Musdalifah has the Construction Services Supervision Section, which can be very helpful because the data can be displayed in the form of soft files or in the form of hard copies. Displaying this data is very important so that the Heads of Fields and other Regional Apparatus can know the information that will be conveyed. Not only in the Field of Construction Services but also in other fields can find out the information that will be needed and sought, for example needing information about Physical Progress data, finance and Documentation for the Implementation of Activities.

2) Benefits of using Application Technology

Application Technology provides many benefits in human life. The benefits obtained by using Application Technology at the Office of Public Works and Spatial Planning assist the Regional Apparatus in carrying out administrative activities and evaluating the implementation of ongoing activities, these benefits will be explained below:

a) Facilitate the administrative work of Physical and Financial Realization Reporting.

The Construction Services Sector is a field that carries out activities to supervise the implementation of ongoing activities to provide reporting to the leadership in evaluation meetings and supervision activities. Without technology that can help reporting work, office activities in the Public Works and Spatial Planning office will not run smoothly. To do this work, of course, an auxiliary device is needed, namely the presence of a Leader. And one of them is application technology to make it easier to carry out reporting activities. According to the results of an interview with Mr. Andi Erlan Dai as the Head of the Construction Services Division, that application technology makes it very easy to complete administrative activities at the Public Works and Spatial Planning Office. For example, with Sileader's application technology, it can be faster in completing the required reports because it has been formatted in the application system used. With the Si Leader application technology, office administration work becomes easier. This is strengthened by the observation that the Sipempimpin application technology makes it very easy to complete its work. According to the results of the interview with Mr. Andi Erlan Dai as the Head of the Construction Services Development Division, the existence of the Sipemimpin Application technology makes it very easy for the Construction Services Sector to complete reports and activities related to the Physical and Financial Realization Report. The field of construction services is easier and faster in inputting data, that way the work of the Administration Report will be easy to do. For example, typing the draft cost budget (R.A.B) and the Realization and Finance report in the implementation of work in the field is easy to do because there is already a format in the application.

5 CONCLUSIONS AND SUGGESTIONS

The results of this investigation have been previously expounded upon in the preceding chapter. The subsequent deductions may be made: Three aspects of data processing can be identified: The conclusion that data processing duties, such as transmitting, storing, and displaying data, are extremely beneficial for Officers in the completion of the submission of physical and financial progress reports at the Public Works and Spatial Planning Office. fast and effective. With the existence of the SIPEMIMPIN Application, the Public Works and Space Utilization Office also improves the quality of excellent technology-based public services. If the administrative work of the Public Works and Spatial Planning Office is good and smooth, it will have an impact on improving community services,

Suggestions that can be taken into consideration The influence of implementation in carrying out the implementation of the Sileader Application by the Public Works

and Spatial Planning Office include the following: For the Head of the Public Works and Spatial Planning Office Hold a Routine Meeting to Monitor and evaluate the discussion of the progress of the Implementation of Activities in the Public Works Office faster and more accurately the data received.

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