

**MANAGEMENT OF WEBSITE-BASED VILLAGE INFORMATION
SYSTEM BY VILLAGE GOVERNMENT PARTNERS
IN PANGANDARAN VILLAGE PANGANDARAN DISTRICT
PANGANDARAN REGENCY**

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ABSTRACT

This research is based on the problem that the management of village information system based on website by village government partners in Pangandaran village Pangandaran subdistrict is still not optimal, this happens because of the lack of initial leveling, lack of availability of monitoring tools, lack of socialization by Village Government Partners, and lack of Human Resources who carry out tasks on the management of Village Information Systems. Therefore, this study aims to find out how the Management of Village Information System based on website by Village Government Partners in Pangandaran Village Pangandaran District Pangandaran Regency. The research method used in this research is qualitative descriptive by conducting observations and interviews to 9 (Nine) informants, namely 2 (two) Village Assistants as operators and field technicians, Village Heads, Village Secretaries, Service Kasi Staff, Planning Kaur, Village Consultative Agency, 2 (two) Community Leaders, namely the Village Head. The results of this study showed that the management of village information system based on the website by the Village Government Partners in Pangandaran Village Pangandaran District Pangandaran Regency as a whole from various activities carried out has been running well but still not optimal. It can be known from the information transformation in terms of data collection and information is still lacking, from information communication in terms of socialization implementation, briefing, implementation instructions are also lacking, as well as from control in terms of coaching is still lacking. But for the rest has been implemented well, especially in the formulation and identification of activities that have been carried out through the form of cooperation supported by the provision and use of adequate infrastructure.

Keywords : *Management, Village Information Systems, Websites, Village Information System Management*

Introduction

Technological advances have a tremendous impact on the progress of a nation, especially in the Country of

Indonesia. This is due to the increasing need and availability of fast and accurate information. Similarly, according to Anwar, A. N. R., & Sujai,

I. I. (2020) stated that "The development of information technology has made public services participate adaptively with existing developments. The internet era is one of the determinants of change today, especially with regard to the rapid flow of information that can be received by the public". Then according to Nursetiawan, I., & Garis. R. R (2018) stated that "The development of information and the internet also impacts local governments that must provide information to the public with internet media. So that the concept of e-government emerges as a form of governance based on information technology and of course now we have entered the era of public information disclosure".

In Law No. 14 of 2008 Article 1 paragraph (1) on Public Information Disclosure. In general Information is a statement of ideas that contains a good values in which the explanation can be felt directly with the presentation that adjusts the development of information and communication technology. Then in Article 7 paragraph (3) states that "in order to carry out the obligations as referred to in paragraph (2), the Public Agency must be able to develop a good information system in order for public information to be easily accessible". The village is one of the institutions that has the same role in obtaining equitable development, which the village must be an institution that is adaptive to the development of the times, especially in terms of utilization

of technological advances. And thus the village must be a reformer in the joint development that comes from the community by using or utilizing technological advances as a tool in achieving the objectives of the Village Government (Good Governance) to be more optimal, advanced, and independent.

Village Information System is one form of the realization of the utilization of technological advances that can be used as a tool to provide a variety of needs and information desired by the villagers. Thus, the advancement of information technology can provide benefits that can be used as part of village governance. Among them is can be used as a medium of information between the village government and the community. According to Jahja, et al. (Rianto, 2017:3) suggests that: Village Information System (SID) develops following various aspects of the environment by bringing good changes in governance, both in terms of openness and accountability. And SID itself was born because of a need for improvement in terms of data storage, calling data, and processing another village data.

From the above opinion that SID is a data and information processing program used in decision making to solve problems and can be used as a liaison between the Village Government and the village community and vice versa.

Similarly, the Village Law and its various derivative regulations, mandate that in general the overall management of the village is expected to bring about better changes by optimizing various aspects of the village's potential. The Village Law further stipulates that the Village Information System (SID) will be managed by the Village Government and accessible to the village community and all stakeholders.

To keep up with the advancement of information and communication technology, the village government is expected to be able to manage and develop a website-based Village Information System to be widely accessible to the villagers. So in this case, it needs to be supported by the ability and capacity of human resources (HR) that are adequate in accordance with the desired needs and have more knowledge of technological advances which is a readiness, and availability of facilities and infrastructure in the Village Government.

Pangandaran village is one of the villages that is starting to implement digital villages. Thus, Pangandaran Village is the chosen village to implement a system of managing village information systems (SID) that are included in Smart Village Nusantara, namely the use of digital aspects in daily needs either governance, economic or social governance in accordance with the needs and potential of the village.

The number of people in Pangandaran Village in 2021 is 11,271 people. However, of the many residents of Pangandaran Village seen from the latest information, shows that the application users only reached 887 with 381 people already using it. Thus, the application users are still below the average or the expected target of the Village Government is about 50% of the number of Pangandaran Villagers. So in this case the Village Government has not been able to meet the needs of the village community, both in terms of service, development, empowerment, and mapping the situation for decision making with a basis on the use of information technology utilization, one of which is a website-based Village Information System.

In this management, Village Information System in Pangandaran Village is still carried out by both parties on the basis of cooperation between Central Telkom and pangandaran village government. The purpose of this cooperation is to develop and utilize the potential of the region and increase the capacity of the community and regional institutions through the application and correction of digital technology to support village development, as well as help solve village problems through the application of various government, economic, and social application solutions. It has also been contained in the Decree (SK) Memorandum of Understanding Between the Government of Pangandaran Village

Pangandaran District Pangandaran district with the Company (Persero) PT. Telecommunications Indonesia, Tbk. about Smart Village Nusantara.

The program in Smart Village Nusantara itself is to create or develop SID website Pangandaran Smart Village Nusantara (Village Profile and Information), and there are also several applications that can be accessed by the Community of Pangandaran Village directly, one of which is Simpeldesa Application which is an application / system of website-based and mobile services to improve the interaction process of the Village Government and Village Community ranging from administrative affairs, services and village businesses.

Based on the results of initial observations made, it is known that the management of website-based information systems by village government partners in pangandaran village pangandaran sub-district as a whole is still not optimal, this can be seen from several indicators of problems as follows :

1. The lack of initial data collection conducted by village government partners related to the use of smartphones / androids used by the community with 4G network capacity as planning materials provided information.
2. The lack of availability of monitoring equipment is Closed Circuit Television (CCTV) which is used for the fulfillment of information systems to know the

activities of the people of Pangandaran Village.

3. Lack of socialization by village government partners in providing understanding and knowledge to the people of Pangandaran Village evenly related to the use of Village Information System website application.
4. There is still a lack of human resources who carry out duties as Village Information System operators that are adapted to the assignment and implementation of activities carried out in the field.

Based on the above thoughts and background, the formulation of the problem is determined as follows: How is the management of village information system based on website by village government partners in Pangandaran Village, Pangandaran District, Pangandaran Regency?

Literature Review

1. Management

Prajudi (Adisasmita, 2011:21) states that "Management is the control and utilization of all resource factors that a planner thinks are necessary for the completion of a particular work objective".

Furthermore Murniati (Mulyono, 2018:1) stated that "Management is the process of coordinating and integrating all resources, both human, technical, to achieve the various specific objectives set out in an organization".

Then Hamalik, O (Adisasmita, 2011:22) broadly states that

"Management is the same as management, both of which are both a process that is done to achieve goals".

So in this case, management which is often called management includes activities to achieve the objectives carried out by individuals who contribute their best efforts through pre-defined actions.

2. Village Information System

Village Information System is a derivative of Management Information System. Both have the same objectives, namely related to the implementation of service delivery aimed at information media as a form of openness (transparency) of village government to the community in order to create good governance.

According to Jahja, et al. (Rianto, et al. 2017:15) suggests that: In a narrow sense SID is intended as an application that assists the village government in documenting village data to facilitate the search process. In a broad sense, SID is defined as a series /system (both mechanisms, procedures to utilization) that aims to manage the resources in the community.

Then according to Sulistyowati & Dibyorin (Rianto, et al. 2017:15-16) defines that "SID is simply defined as information through information technology devices and software applications operated by village devices". Based on the above understanding, it can be concluded that the Village Information System (SID) is a connecting information system

between the functions of data management and information in its entirety within the scope of village government agencies.

3. Website

Along with the rapid development of information technology, the website is experiencing a very meaningful development. That way the website is the most widely used internet service application (popular). (Yuhefizar, et al., 2009).

A website is an entire web page contained in a domain containing information. It is also mentioned that the main factor that makes the website so fast growing is because the dissemination of information through the website is very fast and covers a large area (world), not limited by distance and time (Yuhefizar, et al., 2009).

From the above statement can be concluded that the website is a system of internet service applications that can provide or contain or publish a variety of information.

4. Village Information System Management

System management is based on a Management Information System that has a wider scope. In the framework of the implementation of Management Information System is required management of Information Systems, as well as in the implementation of Village Information Systems which are derivatives. Because the management of information systems is an inseparable part of the Management

Information System and the Village Information System itself.

This is in accordance with the opinion of Sutabri (2012:50) which can be broadly concluded that "Management of information systems is an integral part of management studies for example in organizational management and governance. So in this case, information management can be said to be a factor or cause of the implementation or success of management".

Then Sutabri (2012:51) stated that "good management of information systems will have an impact or a good end result also in supporting its implementation".

Based on the statement, that the management of information systems is very important to be applied for the implementation of a management that has been arranged from the beginning both in the organization and an institution that runs it. Thus the information system needs more support than all who control it in an organization or institution.

Furthermore, according to Sutabri (2012:52) there are 6 dimensions in relation to information system management tasks, namely:

- a. Information planning;
- b. Transformation of information;
- c. Information communication;
- d. Implementing organizations;
- e. Monitoring; and
- f. Control.

Methods

The type of research used in this study is by using Qualitative Descriptive research method. This research lasted for approximately 6 months conducted in Pangandaran Village, Pangandaran District, Pangandaran Regency. The subjects of this study were 9 (Nine) Informants consisting of 2 (Two) Village Escorts, Village Heads, Village Secretaries, Service Kasi Staff, Planning Kaur, and 2 (two) Community Leaders namely Kadus. This research was conducted by jumping directly into the spaciousness, so that the data obtained is the primary data that is collected received directly from the person / perpetrator involved in this study. Determination of informants in this study using purposive sampling, i.e. informants are selected in accordance with the theme of research and considered to have the necessary information.

Data collection techniques used are by: Conducting field studies i.e. observation (jumping directly into space, monitoring the situation and conditions that occur in the research site) and interviews conducted face-to-face with all informants in this study and then conducting library studies with documentation studies, meaning collecting data from various documents found in the field to learn a fact and definitive evidence.

Then the data analysis processing techniques in this study are by:

1. Reducing data is simplifying the data that has been obtained in the

- field by summarizing only the important things.
2. Presentation of data is done by compiling the data obtained by writing it narratively.
 3. Withdrawal of conclusions and verification is done after all data is collected and arranged neatly, then drawn conclusions from all the data.

Results and Discussion

1. Management of Website-Based Village Information System by Village Government Partners in Pangandaran Village, Pangandaran District, Pangandaran Regency

The Village Information System Program is an integral part of Village Development and Rural Development. Because basically the importance of village information system management is intended to bring a change as well as progress development for the village government by following the development of technological advances at this time.

With the existence of a website-based Village Information System (SID), it can open a participatory space between the community and village devices in building their village democratically through the use of open software. In addition, data storage in electronic form can help and facilitate the faster management and provision of data. Thus, good management of village information system is needed to achieve an expected goal for the village

government and village community. In other words, the Village Government, which is the driver for village progress, needs to carry out a process of managing /handling website-based Village Information Systems optimally in order to achieve such a goal.

In this study, the authors used the theory according to Sutabri (2012:52) which broadly suggests that there are 6 dimensions in relation to the task of information system management, namely: Information Planning, Information Transformation, Information Communication, Implementing Organization, Monitoring, and Control.

2. Information Planning

The planning process is very important and becomes the main handle to organize the implementation of activities in an organization / group in order to achieve the goals that have been outlined since the beginning. So that in this case information planning can be used as a benchmark in the continuity of the implementation of website-based SID management in Pangandaran Village. This is in accordance with the opinion expressed by Sutabri (2012:53) that "Various information system management activities can be seen from quality information planning, meaning meeting the requirements set for a good information plan". Therefore, with the planning, everything can be measured and clearly in its direction. This can be seen from the formulation and identification of activities, the

existence of proposals from the community, and the preparation of alternatives of various possibilities.

The results showed that for the problem of formulation and identification of activities that will be carried out in the management of village information systems based on the website by the Village Government in Pangandaran Village is indeed since the beginning has been done, because the implementation itself is still in the system of cooperation between the Central Telkom and the Pangandaran Village Government, so that for the smooth management of sid this formulation of identification activities carried out by both parties. Then judging from the problem of community proposals towards the provision of sid-based website is indeed in the planning implementation there is no proposal from the community, because this is down directly from the central Telkom grant fund where the Pangandaran Village Government is required to run the Digital Village and Pangandaran Village itself selected villages to be a pilot for other villages in Pangandaran Regency. But in this case it does not close the possibility that there are some proposals from the it-savvy community to want the ease of one of them in terms of service and information delivery. Then furthermore in terms of the problem of alternative preparation of various possibilities that can occur in sid management at this time still continues to run well even though it is

not yet maximized. From these shortcomings, the preparation of alternatives can be done by continuing to socialize, coaching, technical guidance correctly as well as the results are evaluated and communicated again with the Central Telkom.

3. Transformation of Information

That the transformation of information is important to be done in order to fulfill the program that is being run and as a material for what will be applied or delivered in the content of the program (processing data into information to produce the necessary information products). Both the concept of collecting and disseminating data and information are important to fulfill the program that is being managed in order to achieve the expected goals from the beginning. The description is in accordance with the opinion expressed by Sutabri (2012:55) that "Information system management activities on the implementation of data and information transformation activities must be based on proper and correct procedures".

The results of this study showed that the implementation of data collection and information has been done by directly down the spaciousness, obtained from the aspirations of the community who entered the application and village social media that has been prepared. Although in this case there is not the fastest and most appropriate way from the Pangandaran Village Government to participate in the implementation of

data and information collection. Then then in terms of the dissemination of data and information is clearly implemented by the Village Escort through the village website, simple application of the village, and village social media, because the management within 1 Year is still done by the Village Escort from Telkom. And this is also inseparable from various obstacles. One of them is hampered by the network because not all people have smartphones / androids with 4G network capacity and not all people also download the application.

4. Information Communication

Information communication is a most important factor in sid management, which is related to how to do an information introduction to many people, in this case is to conduct a socialization and briefing and implementation instructions related to the use of web SID / application conducted by village government partners, namely Village Escorts. The description is in accordance with the opinion expressed by Wollenberg (Mulyono, 2018:1) that "Management is a process used to adjust management strategies so that they can overcome changes in human interaction".

The results showed that in the problem of socialization conducted to the community of Pangandaran Village by the Village Escort has been done but has not been done evenly, this happens because the implementation itself is hampered by several factors, one of which is the situation and conditions

that are not supportive, namely the Covid-19 pandemic and the lack of encouragement or assistance from the Village Government quickly. Then the problem of briefing and guidance on the implementation of sid usage has not been done because the stage is still in conducting socialization so that the public understands and understands first what is Smart Village Nusantara and what are the SID programs in it, and the community is able to follow.

5. Implementing Organization

Implementing organization is a form of placement of a person to do a job, divide and establish authority between organizational units and in it there are people who work together to achieve a goal of the organization, in this case the implementing organization includes the placement of appropriate employees, the determination of tasks and authorities according to expertise, as well as the existence of effective and successful cooperation in achieving sid management goals. The description is in accordance with the opinion expressed by Umam (2014:24) that "In general the organization is a person who cooperates with each other to achieve a desired goal or desire from the beginning".

The results of this study showed that from the Central Telkom has provided employees, namely two Village Escorts to participate in helping the development in Pangandaran Village related to SID and the determination of duties and authorities are appropriate there are operators, and

some become field technicians to record even though the implementation of employee placement is still lacking. And from the Village Government also has not prepared who will be determined to manage the continuation of this SID, but does not close the possibility that the Village Government will continue to strive by preparing everything needed later including the placement of employees who are completely aware of Information and Communication Technology. Then for the problem of effective and successful cooperation in achieving the management of this SID from telkom and pangandaran village government and with the institutions in pangandaran village continues to last well until this moment although it does not close the possibility of many obstacles, so there has been no further discussion.

6. Monitoring

Monitoring is a surveillance in which it conducts a good assessment in terms of anything that can later be corrected, improved so that the work becomes directed in accordance with the purpose and objectives that have been set from the beginning. The description is in accordance with the opinion expressed by Mulyono (2017:17-18) that "Supervision is a form of activity carried out to control so that the implementation of activities can be achieved and run according to the established plan".

Thus monitoring conducted in sid management needs to be done either by

the Pangandaran Village Government or by other relevant institutions.

The results of this study showed that in the infrastructure facilities have all been fulfilled by the Central Telkom because this program is also a grant of 1.6 Billion from the Central Telkom. So from the start of the placement of employees, computers complete with monitor screens, applications provided, CCTV applied in four locations and so forth have all been given directly from telkom, and the Village Government only provides a special place that is Command Center. If there are mistakes or shortcomings everything is always coordinated by the Village Escort to telkom maupaun Village Government. Then in terms of measurement and performance, from the Village Escort has tried to carry out its performance well although still not maximized because of the many inhibitory factors. And then in terms of monitoring, from telkom always monitor its development through village assistants and related institutions in the Village Government is always monitoring one of them BPD, while other outside institutions do not exist, still just to know related to the development of Smart Village Nusantara only. In addition, it is also helped by the provision of CCTV monitoring tools, although now still need improvement and addition of tools, clearly this monitoring is also carried out by every relevant institution to continue to see the development of sid management has been to the extent

and also for the implementation to go according to plan.

7. Control

Control is an important point in management, because control has the function of observing every stage in the management process, one of which is information management. Control in this case there are two related actions to ensure the smooth implementation of management and information products in terms of quality, quantity, and timing and actions carried out through coaching. This is in line with what Sutabri (2012:53) stated that "Control aims to ensure the smooth implementation of management and information products, both in terms of quality, quantity, and timing".

The results showed that there are actions taken to ensure the smoothness in terms of quality, quantity, and timing, the actions of the Central Telkom Village Escort in Pangandaran Village is to continue to make developments in terms of applications that will be given or run by the Village Government and continue to evaluate all forms of deficiencies in order to be better, while from the Village Government continues to cooperate well, carrying out what should be carried out with all forms of preparation, because after 1 Year ends everything is switched managed by the village so that the Village Government must prepare a budget more in order to smooth the Village Information System so as to achieve what is desired from the beginning, namely advancing

Pangandaran Village into a Digital Village. While related to the problem of actions carried out through coaching from telkom itself has done so from the beginning of this cooperation began to the Village Government and Village Escorts, which hopefully the Village Government can convey also to the community, but in its implementation this guidance has not been done by the Village Government because of human resources limitations, unsupportive situation, and budget deficit, as well as being busy with other work.

It should be controlled in the implementation of this management is carried out, which the Village Assistant and the Pangandaran Village Government need to understand the capabilities in the implementation of information system control.

The description is in accordance with the opinion expressed by Sutabri (2012:52) that information system managers need to understand and have managerial skills in carrying out information system control activities, namely:

- a. Ability to control information planning activities;
- b. Ability to control the process of information transformation;
- c. Ability to control the organization of information system implementation; and
- d. Ability to carry out coordination activities.

With this capability can ensure the smooth implementation of village information system management to

support the success of the program made by Telkom and the Village Government itself.

Conclusion

Based on the results of the research, it can be concluded that the management of village information system based on the website by the Village Government Partners in Pangandaran Village Pangandaran District as a whole from various activities carried out has been running well but still not optimal. This can be seen from the many shortcomings in the implementation of its activities, especially in terms of data and information collection and in conducting socialization, briefing, guidance on implementation, and coaching. For the rest has been implemented well, especially in the formulation and identification of activities that have been carried out through the form of cooperation supported by the provision and use of adequate infrastructure.

Basically the shortcomings occur because of the inhibitory factors in each performance implementation, one of the most influential inhibitory factors is the situation and conditions that are less supportive during the Covid-19 pandemic, making it difficult to socialize, direct, coaching and so on because it cannot do gatherings of many people. In addition, because of the limited human resources and encouragement from the Village Government directly, so that this

hinders the process of implementation of performance that must be done as best as possible in order to achieve the specified target and achieve the desired goal from the beginning, namely advancing Pangandaran Village into a Digital Village, so that when it is achieved it will be able to provide ease of service to the community quickly, precise, and accurate.

Notwithstanding the various obstacles, both Central Telkom and Village Government continue to strive for the best way to achieve the expected targets and objectives. The two sides continue to cooperate and continue to evaluate in order to correct these shortcomings. In addition, efforts from the Village Government as well as for further management have prepared all forms of things that must be prepared, one of which is in terms of preparing the budget that has been put into the Village Budget As a form of support for the smooth management of village information systems in Pangandaran Village.

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