

Implementation of Smart Village in the Development of Bumdes in Doulu Village Based on Website

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ABSTRACT

Smart Village is a smart village concept that is innovative in using information technology so that it can improve the quality of the village economy. In the process of implementing smart villages, it is often used in the needs of Bumdes development so that it can be useful for village development. Bumdes is a village-owned business entity that is a legal entity and managed by the village government. Bumdes is created to manage the results of resources in the village for village development. In carrying out its management, a system is needed that can help the village so that the management of Bumdes is transparent. So a website system is needed that can help the village in managing the results of village resources to become a smart village.

Keywords: *Smart Village, Bumdes, Website*



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1. INTRODUCTION

Smart Village is a concept used for village development by utilizing technology and information as a medium to improve the village economy. One of the developments of Smart Village that is often used is for the development of Bumdes management. Where Bumdes is used by villagers as an effort to manage the results of resources in the village. So that with the presence of Bumdes in the village can increase the income of residents.

Doulu Village is a village located in Karo Regency. There are various natural resources that are utilized by residents as a means to increase income. One of them is from the tourism sector and agricultural products of residents. Doulu Village is famous for its hot spring tourism which is a mainstay destination in North Sumatra, especially in Karo Regency. In addition, Doulu Village is also a village that produces fruits and vegetables. It can be seen from the many residents who are fruit and vegetable farmers.

Bumdes is a village-owned business entity that is used to manage village resource results that aim to improve the village economy, increase community income, improve community welfare and build village infrastructure. In the process of developing Bumdes, much is done manually. For that, the author wants to create a smart village that will be used by the village to develop Bumdes based on the website. So that the management of resource results can be carried out effectively and efficiently by utilizing technological and information developments.

2. RESEARCH METHOD

The following are the stages carried out in the research, namely:

- Conducting data collection techniques, at this stage interviews were conducted with village staff regarding Bumdes issues in Doulu Village.
- Carrying out web design planning, at this stage the website design is carried out which will be used for the Bumdes website display.
- Making a website, at this stage the steps to build a website are carried out.

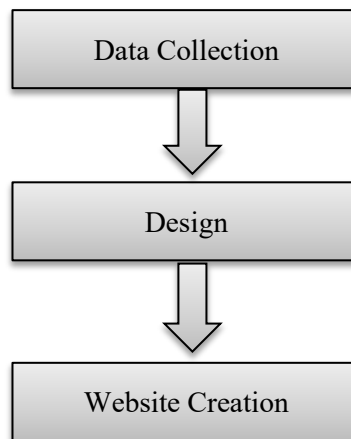


Figure 1. Research Method

3. RESULTS AND DISCUSSIONS

The following is a display of the main page of the results of creating the Bumdes website as follows:

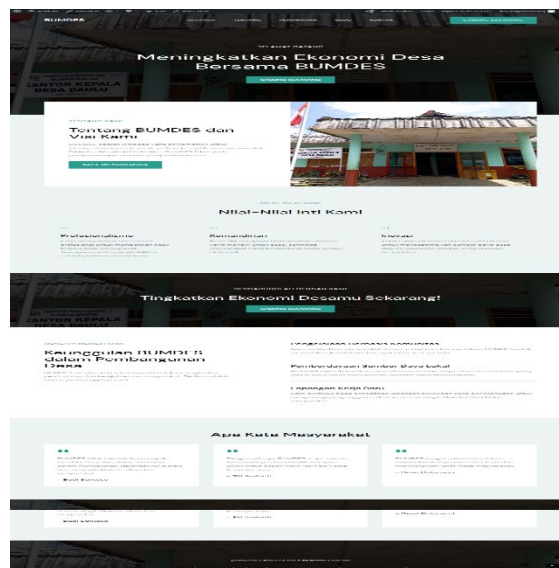


Figure 2. Website View

There are several menus, namely the home menu, the profile menu consisting of history, vision and mission, and organizational structure. Next, the institution menu is an institution in the village. The village potential menu consists of tourist objects in the village and contacts.

4. CONCLUSION

The conclusions from the results of developing website-based BUMDes include:

- a) Smart Village can have a good influence on the development of Bumdes
- b) With the existence of a website-based Bumdes development system, Bumdes management becomes better, more effective and efficient.
- c) The use of Bumdes to manage village resources can improve the village economy.

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