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Mokobang SDGP Website Analysis and Design

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ABSTRACT

Valid and fast information is needed in everyday life. Information will be an important element in the development of society today and in the future, but the high need for information is sometimes not balanced with the presentation of adequate information. Often with the development of current information systems, SDGP Mokobang requires an identifier in the digital world that can also be used for promotion. In the development of SDGP Mokobang has never built a website that becomes a school information portal. By using the prototype method this research can be done quickly and according to the wishes of the user.

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Keywords : information systems, websites, elementary schools

INTRODUCTION

The use of integrated information technology is indispensable in the work processes of an organization or business. It is necessary to optimize the ability to analyze the problems encountered that can have an impact on decision making and promotion of agencies or companies. The availability of valid data can be a measure of the survival of an organization/company.

Valid and timely information is needed in daily life. Information will be an important factor in the development of society today and in the future, but the high need for information is sometimes not matched by the presentation of adequate information. Usually with the current development of information systems, SDGP Mokobang requires media identification in the digital world and can also be used for broadcasting. In its development, SDGP Mokobang has built a website to become a school portal. SDGP

SDGP Mokobang is one of the educational institutions that requires a system that can assist in the management of learning data, the business process of managing learning data in schools is always done manually, because it takes a lot of time to carry out these operations and the results are not necessarily accurate. The academic information system is designed for the purpose of processing learning data efficiently and effectively and producing accurate results.

The method used for system development is the prototyping method with five steps, namely: requirements gathering, prototype design, prototype evaluation, software building by coding the system,

testing Check the system, execution. This system is designed as a web-based application using the PHP programming language with the Codeigniter framework and using MySQL as the database.

This research was conducted to overcome these problems by creating a web-based information system. 2018).

METHOD

The research method used is Prototype,*prototype model* (Pressman, 2012), with the following flow:

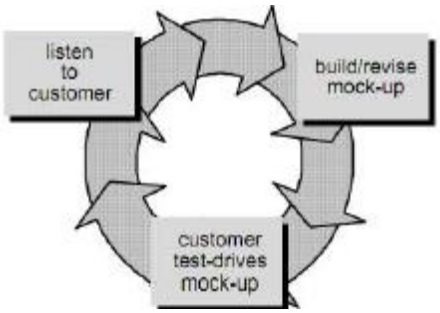

Figure 1. Prototyping paradigm (Pressman, 2012),

1. Stages of System Development, The stages in the prototyping method can be described as follows:

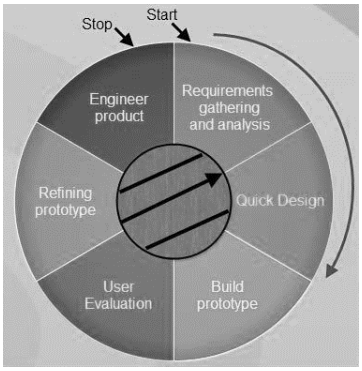

Figure 2. The stages in the prototyping method

2. Bringing together requirements, customers and researchers together define the format of the entire software, define all requirements and describe the information system that will be produced. The collection of needs is done by holding a meeting between the school and the researcher.
3. Prototyping Design After the information system requirements are collected, the information system prototype design will begin. The design is carried out quickly and the design represents all known aspects of the information system and this design forms the basis for prototyping.
4. Prototype evaluation, prototype evaluation field is produced and used to determine site requirements.
5. Software development by coding the system. In this step the agreed prototyping is translated into the php and mysql programming languages.
6. System Testing This test can be done to see if the Mokobang SDGP site is in accordance with user needs. Execution, After testing is done and the results are positive, the website is ready to be hosted.

RESULTS AND DISCUSSION

1. Data collection

In order to complete the research materials, data were collected as research materials. The techniques used in data collection are:

a. Interviews, namely obtaining data by asking questions to the principal and the head of the Mokobang SDGP foundation.
b. Documentation, by collecting all information in the form of writing and photographs for use on the website.

2. Interview result

Interviews were conducted with the principal and the head of the foundation. The details of the interview are as follows:

a. Principal

The results of interviews with school principals suggested the need for an information system that displays school profiles

b. The foundation's president

The chairman of the foundation stated that a website information system would be very helpful in the student admissions process because it was used as a promotional medium

3. Research result

- Home page features

The front page feature is the initial view of the website that contains all the initial information

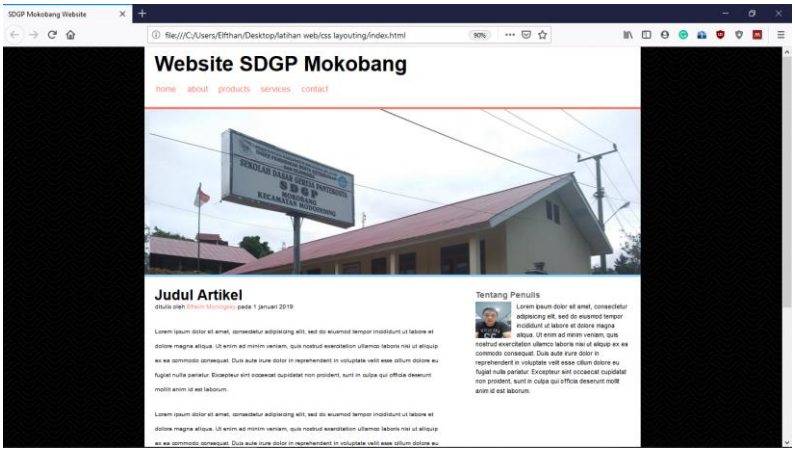

Figure 3. Home Page

- News features

This page displays information on activities carried out by SSDGP mokobang.

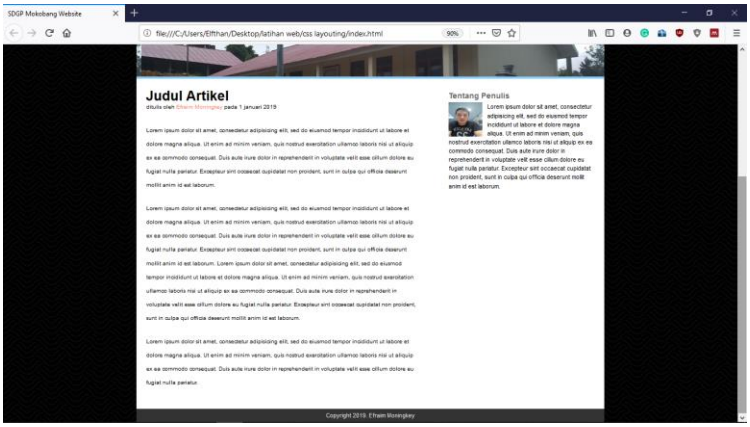

Figure 4. Login and Sign Up Features

CONCLUSION

The conclusions obtained from this research are:

1. Gathering requirements, customers and researchers together define the format of the entire software, identify all requirements, and outline the information system to be created.
2. Prototype Design, After the information system requirements are collected, the information system prototype design will begin. The design is carried out quickly and the design represents all known aspects of the information system and this design becomes the basis for making prototypes.
3. Prototype Evaluation, the school evaluates the prototype that is made and used to clarify the needs of the website.
4. Building Software by Coding the System, In this stage the agreed prototyping is translated into programming languages such as php and mysql. In order to complete the research materials, data were collected as research materials. The techniques used in data collection are: . Interviews were conducted with the principal and the head of the foundation.

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