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Blue Print Website Application as a medium for transparency of Islamic Boarding School Activities at Subulul Huda Islamic Boarding School

Hedi Pandowo ¹⁾, Chanif Kurnia Sari ²⁾

¹⁾ State Polytechnic Madiun

²⁾ STIKES Surya Global Yogyakarta

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Corresponding author:

Hedi Pandowo

E-mail:

hedipandowo@pnm.ac.id

ABSTRACT

At this time information transparency has become a necessity for education providers, both formal and informal. It is important to provide information to related parties, especially activities carried out by education providers so that the information becomes clearer and avoids biased information. Subulul Huda Islamic Boarding School is one of the Islamic boarding schools in Madiun Regency which provides both formal and non-formal education. Transparency is important for the organizers of Islamic boarding schools as a medium to publish all their activities so that the public obtains valid information and gives trust to the community and other related parties. One of the media used to publicize the activities of Islamic boarding schools is a website. Subulul Huda Islamic Boarding School does not yet have a website, so there is no media to publish all of its activities to the wider public. Therefore, it is necessary to conduct training and assistance in implementing website applications to support the benefits for the Subulul Huda Islamic boarding school. The method used in making this website application uses the codeigniter framework, and bootstrap version 4.0 with PHP and Mysql languages. The research uses data collection techniques with interview and documentation methods, as well as the design model used in making this application, namely the waterfall and object-oriented approach. The results of this study are in the form of a website application blueprint.

INTRODUCTION

The digital era, especially after internet access and gadgets are getting cheaper, has made a big change. Behavior, habits, ways of seeking information, all have changed. In the 1980s, people only knew about pesantren by word of mouth, television coverage, radio advertisements, or print media advertisements. Now, everyone can find information from the palm of their hand. This puts the pesantren at a crossroads. Pesantren are 'forced' to transform. Islamic boarding schools are forced to exist in cyberspace. Islamic boarding schools were also asked to color the internet world with useful information.

Many Islamic boarding schools in Indonesia provide formal and non-formal education and have business units to meet the needs of students and train students in entrepreneurship. Transparency is important for an Islamic boarding school because it is a medium to publish all activities that exist in

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Islamic boarding schools so that relevant parties can obtain clear information. This transparent information is also important to give trust to the public about all activities carried out by Islamic boarding schools, even donors will have more confidence in donating assets to Islamic boarding schools.

One of the media that can be used to publicize the activities of the cottage is a website. Websites have different characteristics from other social media. At least here are some reasons why choosing a website for pesantren, among others:

1. Dynamic content
On the website application, the pesantren can freely publish all matters related to pesantren activities. Punctuation, layout, all can be arranged freely on the website. Unlike what is on social media, both the number of words, the writing format, layout, and others are all very limited.
2. Compilation of all social media
In one website page, you can display all media from various social media platforms. You can display the full Instagram feed for display on the website application. Likewise, YouTube videos can be displayed in articles or website pages as well as many other options that can be done in the website application.
3. Most users
The scope of website application includes googling and browsing activities. This activity is mostly done by internet users. These activities do not recognize age groups and places. All gadget devices will immediately be able to access it when the user has it.

The Subulul Huda Islamic Boarding School is one of the Islamic boarding schools in the Madiun area that provides formal and non-formal education. The problem encountered at the Subulul Huda Islamic Boarding School Kembangawit Kebonsari Madiun lies in the tools used to publish the activities that exist at the cottage, which are not yet available. Relevant parties, both stakeholders and the community, have difficulty in obtaining detailed information about the activities at the Subulul Huda Islamic Boarding School because of the unavailability of media that can be downloaded online. Thus, a media is needed for the sake of transparency of all activities in the Islamic boarding school, namely using the media website.

Framework is a framework that contains a collection of functions, classes, methods, and script rules that are organized in such a way that it has uniformity in writing code and placing folders in building an application (Anita Sesar Ria, 2014: 8). Framework is a collection of libraries that are reusable to provide convenience, speed, accuracy, and consistency to users in developing software or solving problems encountered. According to Anita Sesar Ria (2014: 8) the framework has several advantages, namely:

- a. Apps are built with consistent code
- b. Easy to reuse for other applications with minimal configuration
- c. Flexible and easy to set up urls
- d. Using the Model-View-Controller concept so that programmers and designers can work separately
- e. Speed up web creation
- f. Increasing the security of an application There are several kinds of frameworks that exist today, such as CodeIgniter, Laravel, Yii, Cake PHP and so on.

There are several kinds of frameworks that exist today, such as CodeIgniter, Laravel, Yii, Cake PHP and so on. CodeIgniter is a Model-View-Controller-based web development framework that adapts the PHP programming language. Based on the above study, CodeIgniter is a framework that adapts the PHP programming language and uses the MVC model to build a web-based software. MVC separates functions based on its main components in application development, such as data manipulation, user interface and application control. Therefore, this website application was developed using the CodeIgniter framework.

MATERIALS AND METHODS

Panjaitan (2017:136) states that primary data is data obtained or collected by researchers directly from the main data source. Primary data is also referred to as original data or new data that has up to date properties.

Sujarweni (2019:93) states that data collection techniques are the methods used by researchers to uncover or capture quantitative information from respondents according to the scope of the study. There are several ways that can be taken in data collection, including the following

1. Interview

Sujarweni (2019: 31) states that the interview is a process of obtaining an explanation to collect information by using a question and answer method that can be face to face or without face to face, namely through telecommunication media between the interviewer and the interviewee with or without using guidelines. In essence, the interview is an activity to obtain in-depth information about an issue or theme raised in research. Interviews were conducted in an unstructured manner or did not arrange dictating questions. This interview was aimed at confirming the data that had been obtained from the documentation.

2. Documentation

Sujarweni (2019: 24) states that documentation study is a study of written documentary material which can be in the form of textbooks, newspapers, magazines, letters, films, diaries, scripts, articles, and the like. Materials can also come from someone's thoughts contained in books or published manuscripts to be analyzed, interpreted, and explored in order to determine the level of understanding of a particular topic from a material or text.

The web-based budgeting application design model uses the waterfall method, because it is sequential and systematic. Sasmito (2017:8) states that the waterfall method is a systematic and sequential information system development model. The Waterfall method has stages.

The research instruments used in making the website application blueprint are as follows:

a. Instrument Aspect Functional Suitability

The research instrument for the functional suitability aspect uses a test case in the form of a checklist that contains all the functions contained in the system being developed. The checklist is equipped with two answer options which will be used by the validator to put a check mark on one of the available options according to whether or not the function being tested.

b. Instrument Aspect Portability

Testing the portability aspect is done with the help of an application called Cross Browser Testing. This application is a cross-browser testing tool that can help run web-based systems and can display web-based systems on various versions of web browsers.

c. Instrument Aspect Usability

The usability aspect was tested using a questionnaire made by Arnold M Lund (2001), namely the USE Questionnaire. The USE Questionnaire (Usefull, Satisfaction, and Ease of use) uses a Likert scale in the form of a checklist.

RESULTS AND DISCUSSION

The purpose of this study is to create a website application to facilitate the Subulul Huda Islamic Boarding School in publishing all its activities so as to support the transparency goal of the Islamic Boarding School. Making a blueprint for this website application involves storing data in a MySQL database that has large storage capacity and fast access. System requirements are divided into two, namely functional and non-functional. Analysis of these needs through the process will produce output in the form of a website application blueprint.

a. Discussion of Functional Test Results

Suitability Based on the results of calculations that have been carried out, the percentage of the feasibility of the functional suitability aspect is 100%. Based on the Likert scale, the results of testing the functional suitability aspect of the website application at the Subulul Huda Islamic Boarding School obtained the "Very Good" category. From these results, the website application at the Subulul Huda Islamic Boarding School has fulfilled the functional suitability aspect.

b. Discussion of Usability Test Results

Based on the results of usability testing and calculations that have been carried out, the percentage of usability aspects of feasibility obtained results of 90.6%. These results are then converted into a qualitative value of a Likert scale of five scales to obtain the predicate "Very Eligible". From these results, the website application at the Subulul Huda Islamic Boarding School has met the usability aspect.

c. Discussion of Portability Test Results

Based on the results of portability testing using the Cross Browser Testing application, the system developed can run well on various web browsers, such as Mozilla Firefox, Google Chrome, Internet Explorer, Opera, and Microsoft Edge. These results indicate that the website application at the Subulul Huda Islamic Boarding School has met the portability aspect.

CONCLUSIONS AND SUGGESTION

Blue Print website application and application creation process using PHP and Javascript with codeigniter framework as well as with Sublime Text 3 tools and chrome browser. Application design with waterfall method and OOP approach. The content of the website application at the Subulul Huda Islamic Boarding School Kembang Sawit Madiun which consists of several outputs that have been mentioned above. The Blue Print of this website application can be used as an embryo for further website application development if the Subulul Huda Islamic Boarding School wants additional modules or content. With the existence of this website application, all activities at the Subulul Huda Islamic Boarding School become transparent so that the general public and related parties can obtain information quickly anytime and anywhere because it is based online.

REFERENCES

- Adisaputro, Gunawan dan Marwan Asri. 2013. Anggaran Perusahaan. Yogyakarta: BPFE-Yogakarta.
- Abdulloh, Rohi. 2017. Membuat Toko Online Dengan Teknik OOP, MVC dan AJAX. Jakarta: PT Elex Media Komputindo.
- Adnyana, I Made. 2020. Analisis Anggaran Komprehensif Pada Perusahaan Manufaktur. _: Modula.
- Almais, Teguh Agus Wibowo. 2018. Modul Praktikum Web Programming. Malang: Modula.
- Aprianti, Winda dan Umi Malihan. 2016. Sistem Informasi Kepadatan Penduduk Kelurahan Atau Desa Studi Kasus Pada Kecamatan Bati Bati Kabupaten Tanah Laut. Vol 2 Jurnal Sains dan Informatika.
- Ariono, Riano. 2013. Belajar HTML & CSS "Tutorial Fundamental dalam Mempelajari HTML & CSS". : Modula.
- Ayu, Fitri dan Nia Permatasari. 2018. Perancangan Sistem Informasi Pengolahan Data Praktek Kerja Lapangan Pada Devisi Humas PT. Pegadaian. Vol 2 Jurnal Intra-Tech.
- CPSSoft. 2017. Pengertian Perusahaan Manufaktur, Contoh, dan Sistem yang Digunakan. cpssoft.com (diakses tanggal 2 Januari 2021)
- Daru, Firman dan Whisnumurti Adhiwibowo. 2017. Model Pengembangan Aplikasi Pembayaran Angsuran Pinjaman Online Menggunakan PHP MYSQL dengan Metode Object Oriented Programming. Jurnal Informatika, vol. 3.
- Destiningrum, Mara dan Qadhli Jafar Adrian. 2017. Sistem Informasi Penjadwalan Dokter Berbasis Web dengan Menggunakan Framework Codeigniter (Studi Kasus: Rumah Sakit Yukum Medical Centre). Jurnal Teknologi, vol. 11.
- Fathoroni, A., dkk. (2020). Buku Tutorial Sistem Pendukung Keputusan Penilaian Kinerja Dosen Menggunakan Metode 360 Degree Feedback. Bandung: Kreatif Industri Nusantara.
- Enterprise, Jubilee. 2018. HTML, PHP, dan MySQL untuk pemula. Jakarta: PT Elex Media Komputindo
- Herlianto, Didit. 2011. Teknik Penyusunan Anggaran Operasional Perusahaan. Yogyakarta: Gosyen Publishing.
- Juansyah, Andi. 2015. Edisi Vol 1 Jurnal Ilmiah Komputer dan Informatika (KOMPUTA). Bandung: Modula.
- Kerendi, Dadan. 2015. Membuat CMS Multifitur. Jakarta: PT Elex Media Komputindo.
- Kominfo. 2020. Dirjen PPI: Survei Penetrasi Pengguna Internet di Indonesia Bagian Penting dari Transformasi Digital. Kominfo.go.id (diakses tanggal 26 Desember 2020) 243
- Menkeu. 2017. Menkeu: Teknologi, Salah Satu Kunci Tingkatkan Ekonomi. Kemenkeu.go.id (c tanggal 26 Desember 2020)
- Murhada, dan YoCengGiap. 2011. Pengantar Teknologi Informatika. Jakarta: Mitra Wahana Media.154
- Permenkumham. 2018. Peraturan Menteri Hukum dan Hak Asasi Manusia Republik Indonesia Nomor 17 Tahun 2018 tentang Persekutuan Komanditer, Persekutuan Firma, dan Persekutuan Perdata. Jakarta: Modula.
- Panjaitan, Dorothy Rouly Haratua dan Aripin Ahmad. 2017. Metodologi Penelitian Untuk Bisnis. Bandar Lampung: Universitas Lampung.
- Rahayu, Sri dan Andry Arifian Rachman. 2013. Penyusunan Anggaran Perusahaan. Yogyakarta: Graha Ilmu.
- Rahmad, Mhd Bustanur dan Tedy Setiady. 2014. Perancangan Sistem Informasi Inventory Spare Part Elektronik Berbasis Web PHP. Jurnal Sarjana Teknik Informatika, Volume, 2(2).

- Ramadhani, dkk. 2020. Akuntansi Biaya (Konsep dan Implementasi di Industri Manufaktur). Yogyakarta: CV Markumi.
- Rofiah, Syahbaniar. 2018. Pembelajaran PHP dengan Codeigniter Berbasis Project Based Learning. Bina Insani ICT Journal, Vol.5.
- Sasmito, Ginanjar Wiro. 2017. Penerapan Metode Waterfall pada Desain Sistem Informasi Geografis Industri Kabupaten Tegal. Jurnal Informatika Pengembangan IT (JPIT), Vol. 2.
- Seran, Sirilius. 2020. Metodologi Penelitian Ekonomi dan Sosial. Sleman: Deepublish.
- Sitepu, Rasidin K. 2018. Aplikasi Akuntansi Berbasis Web. Bogor: PT Penerbit IPB.
- Subagio, Anton. 2018. Membangun Aplikasi Web dengan Metode OOP. Jakarta: PT Elex Media Komputindo
- Sugiarti, Yuni. 2018. Dasar-Dasar Pemrograman Java NETBEANS: Database UML dan Interface. Bandung: PT Remaja Rosdakarya.
- Sujarweni, V. Wiratna. 2019. Metodologi Penelitian. Yogyakarta: Pustaka Baru. Wanto, Anjar dan Eko Kurniawan. 2018. Seleksi Penerimaan Asisten Laboratorium
- Menggunakan Algoritma AHP pada AMIK STIKOM Tunas Bangsa Permatasiantar. Jurnal Informatika dan Komputer(JIKO) –Volume3, Nomor 1.
- Widodo, Wahyu Agus dan Diva Kurnianingtyas. 2017. Sistem Basis Data. Malang: UB Press.