

Website-Based Design of Scholarship Information Distribution System for UNWAHA Students

Ayik Komsari¹, Primaadi Airlangga^{2*}

^{1,2}Informatics, KH. A. Wahab Hasbullah University

*Email: primaadi.airlangga@unwaha.ac.id

ABSTRACT

Scholarship is the provision of financial assistance needed by students who have qualified for a scholarship. Many scholarships are available both from UNWAHA and outside of UNWAHA but many do not know this scholarship information. The current system of disseminating scholarship information is still through social media while scholarship seekers have not or do not have friendships on social media. The design of the spread of this scholarship is using the waterfall method which is a method of systematic system development. The design of this scholarship information distribution system was created to accommodate scholarship information so that it can help students to directly get information easier. This scholarship information distribution system can be an alternative that makes it easier for students to get scholarships and share scholarship information. Scholarship information distribution system is incorporated in this pusatkarir.informatiUNWAHA.com site.

Keywords: *Information; Website; Scholarship.*

INTRODUCTION

In today's rapidly growing technological era, all affairs can be done easily and quickly. Making it difficult for people to follow a lifestyle that inevitably has to be in accordance with the development of the current era. Many parents are unable to send their children to higher levels because of the lack of funds. Then the government, universities, and companies are trying to reduce the dropout rate by providing scholarship programs (Zuhri et al, 2018). Scholarship is the provision of financial assistance needed by students who have qualified for the scholarship, especially UNWAHA students to carry out the education taken (Widya et al, 2020). However, students must meet the requirements provided by the government, universities, and also companies (Suwarti, 2020).

The application of information distribution of scholarships is intended to provide services to students, prospective students, and alumni to get information effectively and clearly (Malik et al, 2018). Many scholarships do not reach students directly because the information is only disseminated through WhatsApp groups, Instagram, Facebook, and also certain people (Rofi'udin et al, 2019). Some of the services that will be implemented include providing scholarship information that is expected to help prospective students or students to complete their education as well as helping alumni to be able to continue their education to a higher level, provide information about scholarship requirements, students can enter new scholarships on this website, as well as contact to question about further scholarships. Therefore, research is proposed to disseminate scholarship information based on the website that is expected to reduce the cost of students in carrying out education.

METHOD

To conduct the preparation of this research, several stages were carried out to obtain the required data as follows

Data Collection Method

Data collection is the main thing in conducting this research. There are several ways to collect scholarship data as follows (Sulistyo & Winiarti, 2015):

- Literature Study

The Literature study was conducted to collect documents from various written sources such as social media, articles, newspapers and news with scholarship topics.

- Interview

Interview method is a method that is done directly to people who have capacity and information about scholarships such as academic staff of KH university. A. Wahab Hasbullah.

Research methods

Research method used is a method of system development that will be done with systematic steps called waterfall method with stages that must be done are as follows (Syafitri, 2021):

- System analysis

First step is system analysis that must be done to analyze and prepare the needs that are needed to create a scholarship application program and the features that the user needs.

- Design

Second step is design which is the creation of data structure, easy-to-understand and coding procedures.

- Program Code Generation

Third step translates the design into a software program. Program code generation generates interfaces according to the previous design

- Testing

Fourth step focuses on the software to ensure that all the tested parts run as desired to minimize errors.

- Maintenance

The final stage of maintenance of this software does not include the possibility of the software encountering an error when executed because it was not detected during testing. With this stage is expected in the future able to do developments.

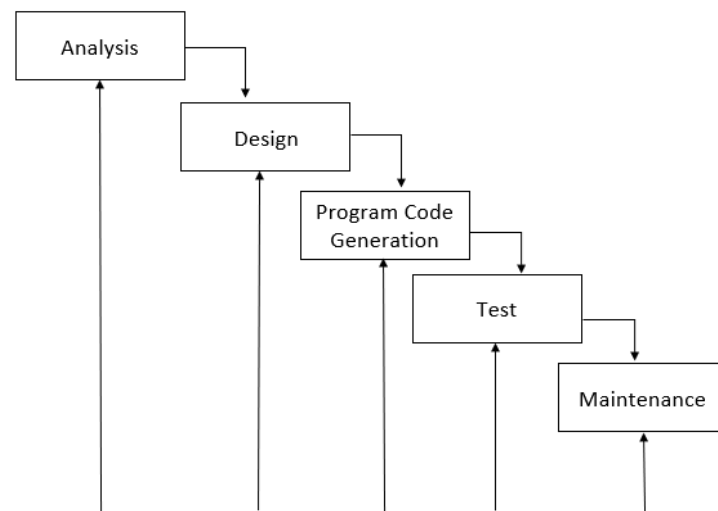


Figure 1. Waterfall Diagram

RESULT AND DISCUSSION

The following results and discussions obtained after conducting research and design process for the spread of website-based scholarships:

Result

The design of this scholarship website serves as a medium of distribution of scholarship information that can be used by students, especially UNWAHA students as expressed by Rini (2018), Scholarships are grants in the form of assistance given to individuals that aim to be used for the continuity of education taken. This website becomes centralized information that can be accessed on the site Pusatkarir.informatikaUNWAHA.com. This is in accordance with the opinion of (EMS team, 2012 in Rini, 2018), Website is a collection of web pages placed in one place / site. So, in the website there is a web page, along with supporting files placed in one place identified through the domain name and IP address.

The following results of the website display scholarship information distribution system, which consists of the main page, scholarship information page, scholarship input page and scholarship list page that has been input in this page students can delete and edit the scholarships in the input:

- Home Page

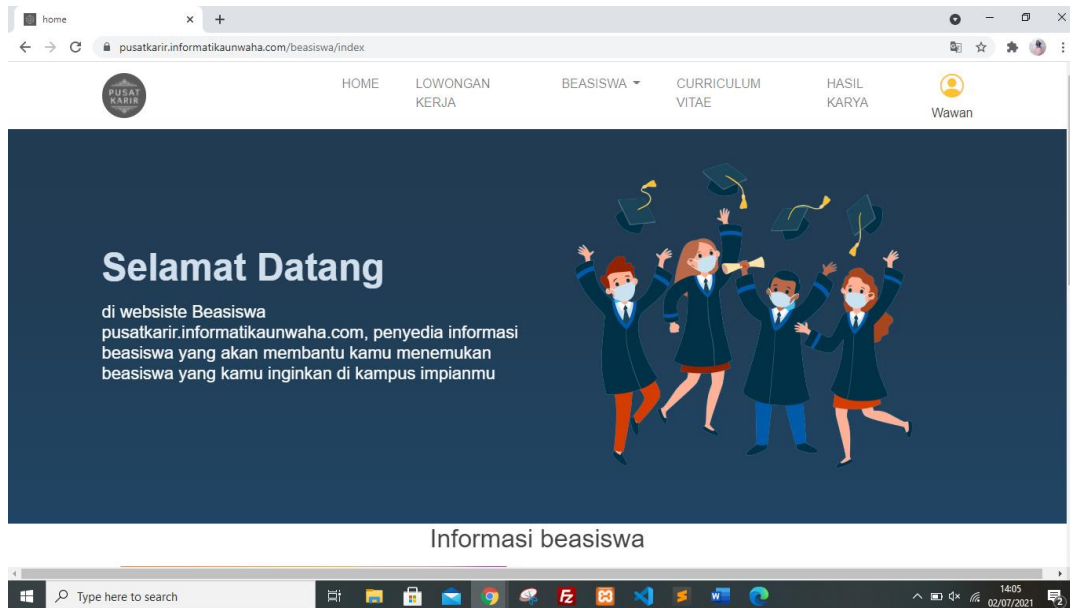


Figure 2. Home Page

- Scholarship Information Page

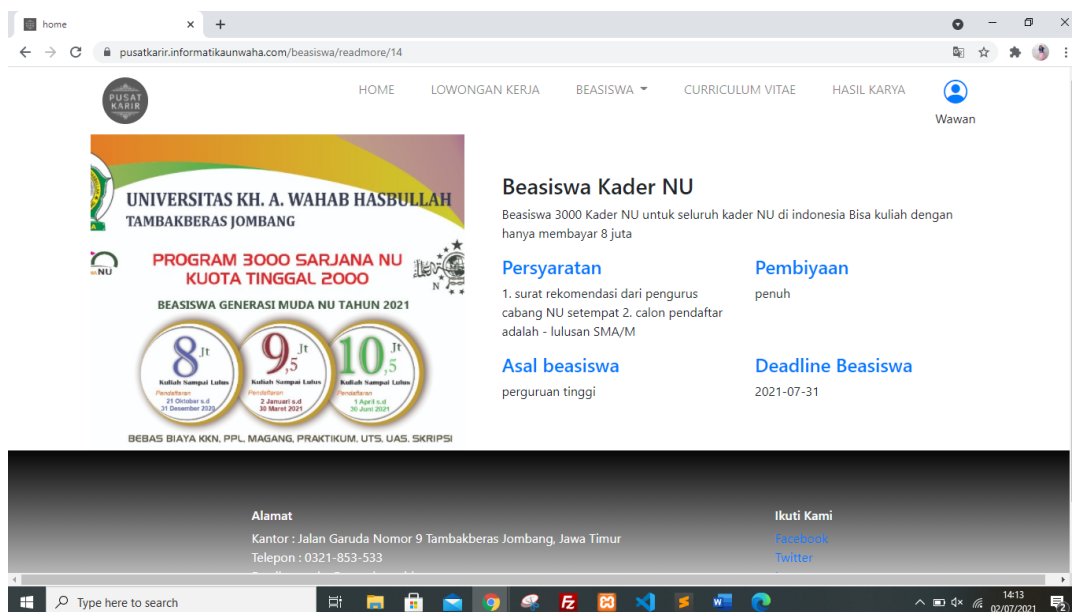


Figure 3. Scholarship Information Page

- Scholarship Input Page

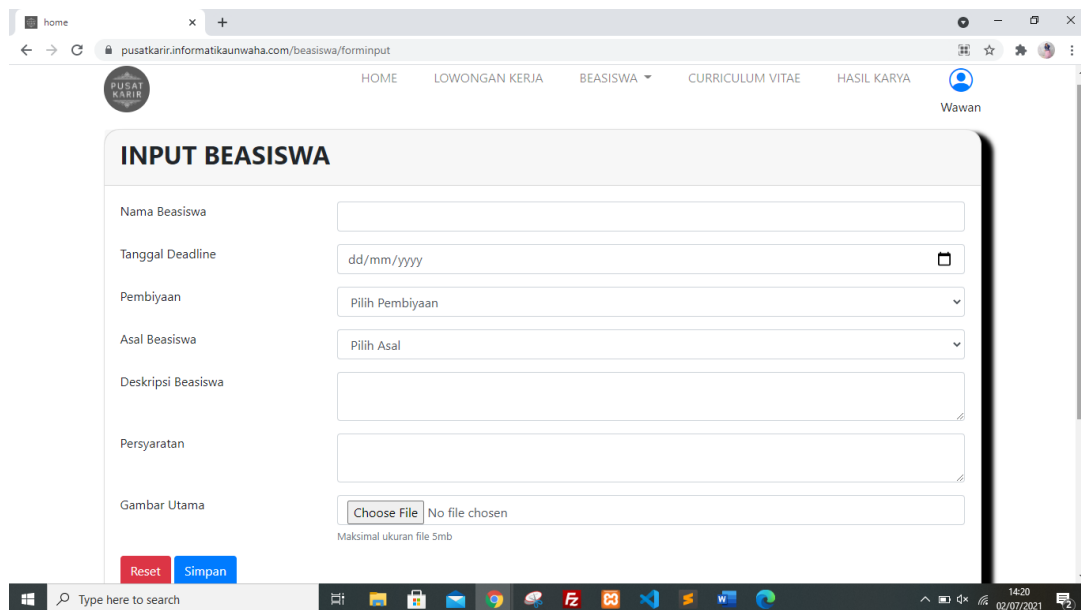


Figure 4. Scholarship Input Page

- Scholarship List Page

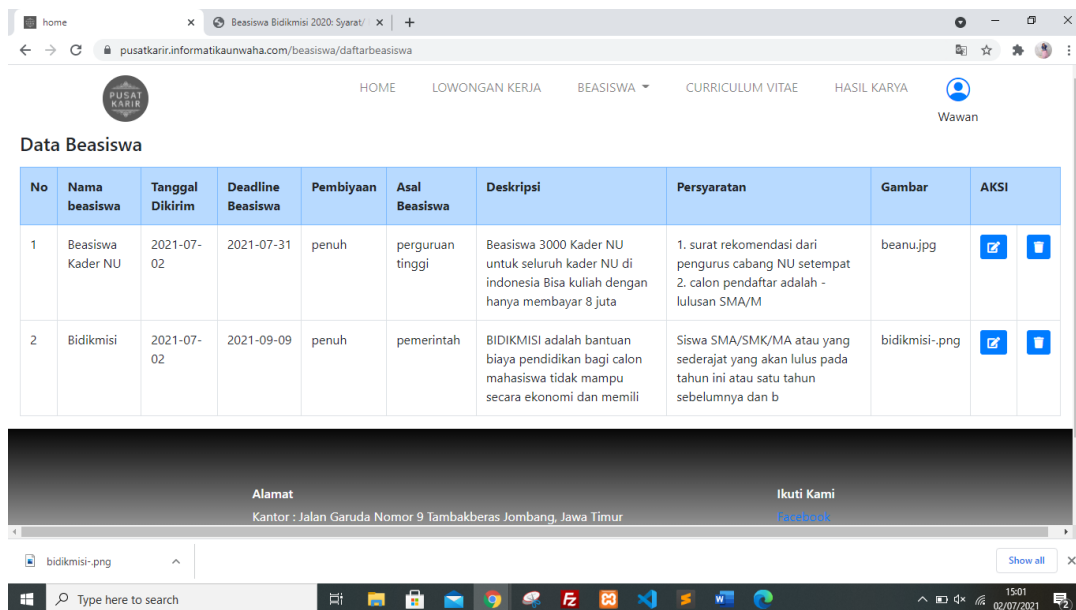


Figure 5. Scholarship Input Page

Discussion

The creation of a website scholarship information distribution plan is an application created using CodeIgniter framework which is a PHP framework that is claimed to have the fastest execution compared to other frameworks because it uses model-view-controller (MVC) design pattern, small size, and free/opensource (Putra *et al.*, 2019). The use of PHP, JavaScript, MySQL and bootstrap template programming languages can make it easier to create scholarship information distribution applications. The distribution of scholarship information helps students who have difficulty obtaining scholarship information effectively. This website can also be a place to share scholarship information with other students. For students to be able to continue studying because of economic problems and prospective students can find the desired scholarship on their dream campus.

Based on the results of the design of this scholarship application can be described as follows:

- Home page
This page is the main scholarship information page where users do not have to log in first to be able to view scholarship information. This page provides a variety of scholarships that are accessible to users.
- Scholarship Information Page
Presenting more detailed scholarship information in the form of scholarship explanations, requirements, scholarship origin, scholarship deadlines and scholarship financing both in full and in part (FIGURE 3).
- Scholarship Input Page
Displays a new scholarship input table, where users can enter scholarships that will be displayed in the application for the distribution of this scholarship information (FIGURE 4).
- Scholarship List Page
Displays a list of recent scholarships that users have entered on the input page. Where users can delete and re-edit scholarships (FIGURE 5).

CONCLUSION

website-based design of scholarship information distribution system for UNWAHA students was build based on PHP, JavaScript, MySQL, and bootstrap programming languages. This website was created to overcome the difficulty of students in obtaining scholarship information from various sources, especially for students of KH University. A. Wahab Hasbullah Jombang. This website can also be a place for students to share scholarship information because it has the latest scholarship upload feature. However, this website cannot be a place to applying scholarship.

REFERENCES

- Malik, A., Sufaidah, S., & Widya, M. A. A. (2018). Aplikasi Pengecekan Kondisi Kesiapan Instrument Dan Equipment. *SAINTEKBU*, 10(1), 75-82.
- Putra, A., Musliyana, Z., & Fadhi, M. (2019). Perancangan Sistem Informasi Beasiswa Tahunan Pemerintah Kota Sabang Menggunakan Framework CodeIgniter. *Journal of Informatics and Computer Science*, 5(2), 210–213.
- Rini, E. T. S. S., & Nurhadi. (2018). Aplikasi Pengajuan Beasiswa Berbasis WEB Pada Walikota Bagian Administrasi Kesejahteraan Rakyat. *Jurnal Ilmiah Betrik*, 9(1), 16–23.
- Rofi'udin, M. F., Arifin, M. Z., & Widya, M. A. A. (2019). Deteksi Penjual Keliling Online Terdekat Menggunakan Android dan GIS. *SAINTEKBU*, 11(2), 65-76.
- Sulistyo, D., & Winiarti, S. (2015). Pemanfaatan Informasi Teknologi Dalam Penentuan Beasiswa Siswa Kurang Mampu. *Jurnal Informatika*, 9(1), 965–974. <https://doi.org/10.26555/jifo.v9i1.a2037>
- Suwarti, C. (2020). Sistem Informasi Penyeleksian Beasiswa Prestasi Kota Pekanbaru Pada Kantor Gebunur Provinsi Riau Berbasis Web. *Jurnal Intra Tech*, 4(1), 90–97.
- Syafitri, Y. (2021). Rancang Bangun Sistem Informasi Vaksinasi Pada Balita menggunakan Metode Waterfall. *Jurnal Teknologi dan Informatika (JEDA)*, 2(1), 1–13.
- Widya, M. A. A., Sufaidah, S., & Hasanah, M. U. (2020). Aplikasi E-CRM Terintegrasi di Bahagia Mart KPRI Bahagia Jombang. *Exact Papers in Compilation (EPiC)*, 2(1), 205-210.
- Zuhri, M. F., Sufaidah, S., & Sifaunajah, A. (2018). Rancang Bangun Aplikasi Rental Alat-Alat Pesta Dengan Sistem Notifikasi. *SAINTEKBU*, 10(2), 17-26.