Development of a Visual Builder-Based System to Create Curriculum Vitae and Portfolio for UNWAHA Students

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1. INTRODUCTION

Students who have completed their studies at university want to immediately work in the place of their dreams. Several requirements that need to be prepared when applying for a job are a portfolio and a CV. The importance of making a portfolio and CV is often not mastered well by students, sometimes students even don't understand how to fill out a portfolio and CV. Many of them also do not know their abilities and expertise, for this reason, we need a system that is able to accommodate and publish work and CVs from students as expressed by (Fernando et al., 2018). (Anugraheni, 2017) also describes that a portfolio is a collection of student work as an implementation of tasks as part of an effort to achieve course objectives to improve student learning outcomes. The E-portfolio system of student work can take advantage of advances in Information and Communication Technology (ICT) in the field of computers, where this website aims to accommodate student work that has been created so that it can be accommodated into an application and then it can be immediately published and can be known by several parties, including the campus, students and the general public.

(Admi, 2019) revealed that a portfolio is synonymous with a collection of information from work results (students, students, and more generally for people who need work) and a creative

curriculum vitae (CV) or what is often called a concise curriculum vitae is a magazine that contains complete information a person's life history used to apply for a job (Faqih et al., 2018).

Design is the initial stage of drawing, planning and sketching and has the desired function (Nurhayati et al., 2018). Making this CV uses Visual Builder which is capable of processing data automatically and facilitating storage. This Visual Build has built-in support for integrating various developer tools into the build process. Projects are saved as XML to facilitate storage in version control systems.

2.   RESEARCH METHODS
2.1 Research Design

This research uses a qualitative descriptive research method, where the research object is a work result (CV) that can be accessed by UNWAHA students.
1. The data collection technique in this research is an observation technique.
    Observation techniques are used to find initial data about how many students are still unable to make a CV or curriculum vitae to apply for jobs according to their abilities.
2. Research Instrument
    Some of the devices used in this research are as follows:
    1) Software, in this research, researchers used the following software:
        a. The operating system used is Microsoft Windows 8 Professional
        b. The FTP software used is Filezilla
        c. The code editor used is Sublime
        d. Database management used is MySql
    2) Hardware
        In this research, researchers used the following hardware:
        a. Asus brand Laptop
        b. Kingston brand Flashdisk

2.2 Data Analysis Techniques

The data analysis technique used is qualitative descriptive analysis in which analysis is carried out by describing or illustrating the process and results of the system design being developed.

3.   RESULTS AND ANALYSIS

The design of this web-based portfolio and CV produces several displays where the system designed is used for the purposes of managing student work data so that it can be organized into useful information in accommodating and publishing UNWAHA student work. The design of this system makes it possible. Users access and play a role in managing the system as a whole (admin), inputting data on work results (students), and viewing student work results (Guest users).

The initial process to be able to access the portfolio and CV website on the Career Center website begins with user registration (Figure 1). The next step is, the admin will check the data using the Higher Education Database (Figure 2). If the user is indeed from UNWAHA, the admin will verify the user (Figure 3). Next, users can log in (Figure 4) and go to the main page (Figure 5) which contains the workflow of the CV website, where users can fill in personal data, and create and save a new CV design by selecting one of the two themes provided by admin.

Figure 1. User registration page
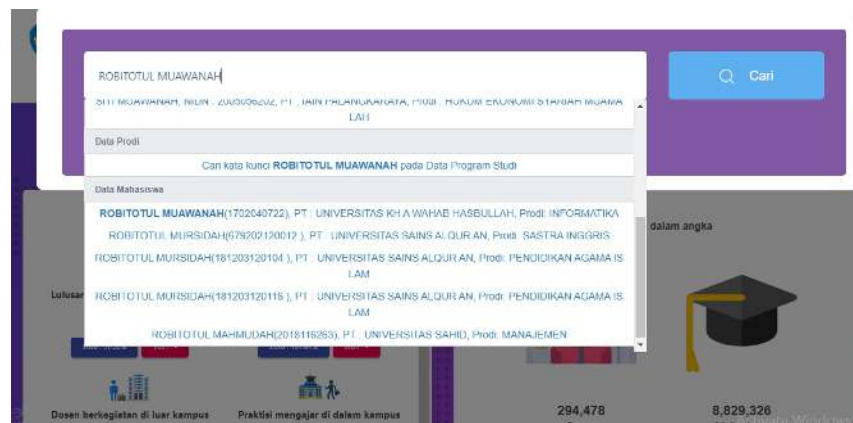
Figure 2. Checking PDDikti

Figure 3. User Verification
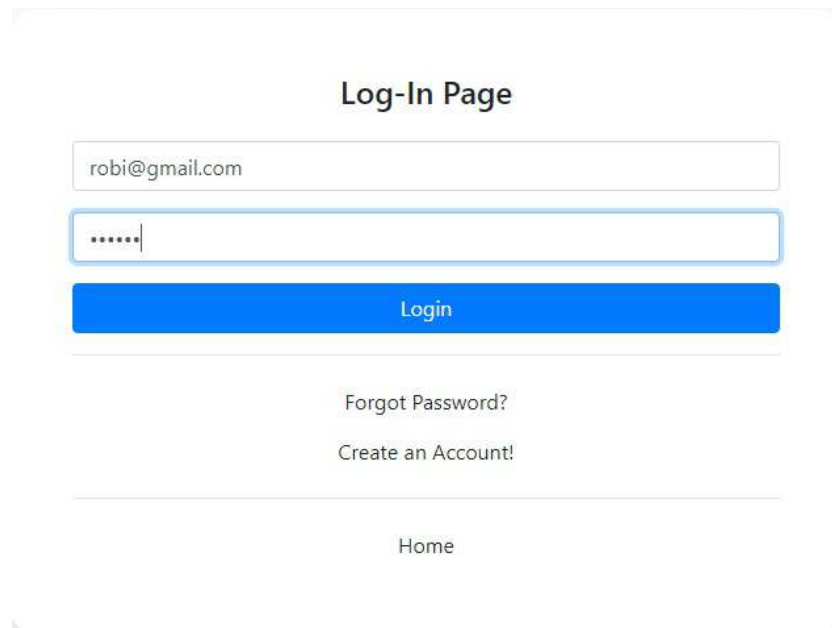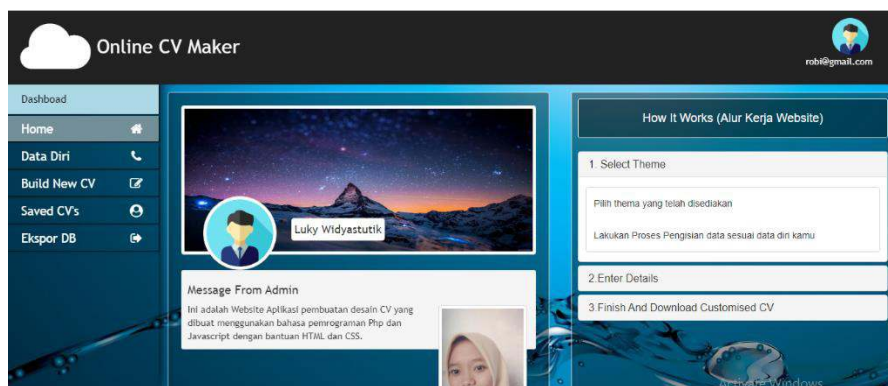
Figure 4. User login page

Figure 5. CV main page

Figure 6 displays a personal data table which requires users to fill in personal data which includes full name, place, date of birth, level of education taken, citizenship, status and address. Once the personal data is filled in completely, click the save button and the user can immediately connect to the selected theme. If the personal data has not been filled in completely, the user cannot create a CV (Figure 7) and will be returned to the personal data page. If one day the user wants to create a new CV but there are some changes in personal data such as education level, status, etc. The user can update the personal data that has been created (Figure 8).

Figure 6. Personal Data Table

Figure 7. Failed to Create a CV

Figure 8. Updated Personal Data Page

Theme selection can be done in the build in CV category (Figure 9). On this page, there are 2 theme options that users can choose from. The personal data that has been saved will

automatically be filled into the selected theme. Then the user can fill in some data that has not been entered in the personal data table in the form of uploading photos, personal information, and also setting background colour designs (Figure 10).
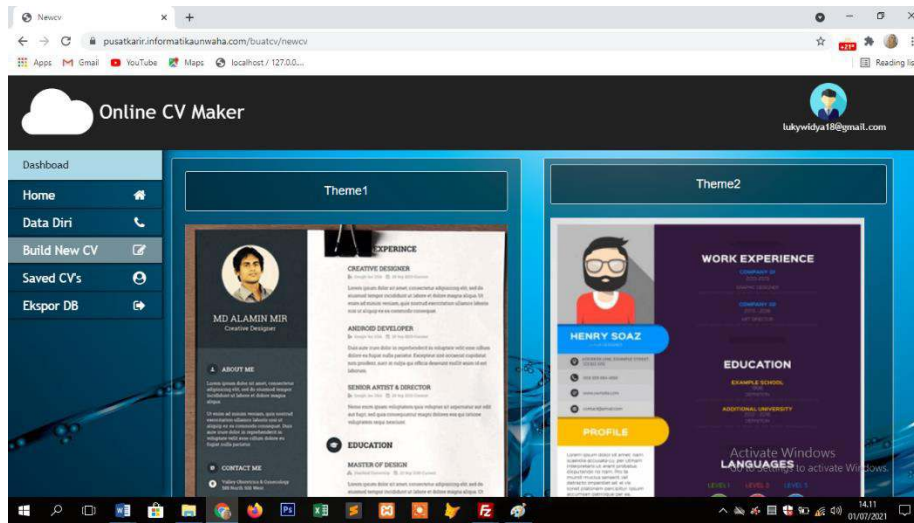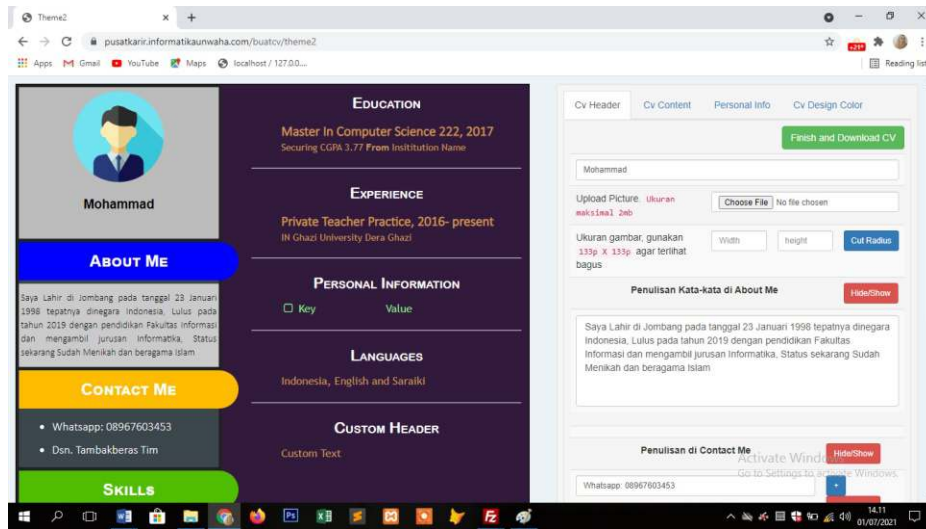

Figure 9. Displaying Themes

Figure 10. Filling in Theme 1

Figure 11 displays a CV that has been successfully saved with the name and date the CV was saved. Here users can download and delete CVs that have been saved.
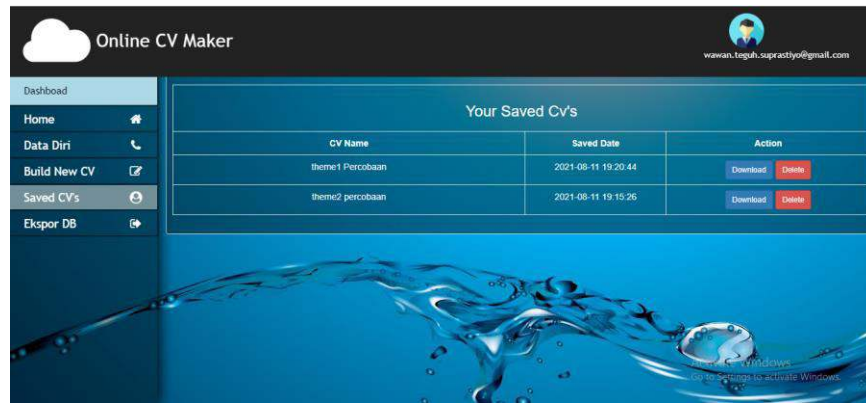
Figure 11. Personal Data that has been saved

4. CONCLUSION

The design of the portfolio and CV preparation system created is able to solve the problems of students who experience difficulties in creating portfolios and CVs which have an important role in applying for jobs. By using this website, students have the convenience of creating portfolios, distributing portfolio results and can be accessed easily and instantly electronically or online, and this system can display portfolios and CVs in an attractive form according to the themes provided. The system design created in this research is based on a visual builder using MySql database storage.

5. ACKNOWLEDGEMENTS

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