Wikipedia Redesign Concept Using Adobe XD

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Abstract—**Wikipedia website design has not been updated for 10 years. Therefore, it needs a useful update the design to refresh the view to attract users to visit. There are lots of tools to design a website such as, photoshop, illustrator, sketch, and the newest one is Adobe Experience Design. Adobe XD offers a fast and efficient application design. It also offers making of interaction within the page. In this paper I use Adobe XD to redesign the Wikipedia website.**

Keywords—*Wikipedia; Adobe XD; Web Designl UI/UX*

I. INTRODUCTION

Today almost every human on earth has access to the internet. The Internet has changed the behavior of all human beings. Humans who used to make libraries as information centers, now turn to make the Internet as the center of information. Humans who used to make books as a reference have now turned to the internet as a source of reference.

One website that is often used as a reference source is Wikipedia. It is the largest and most popular general reference work on the Internet. But it has not been changed or redefined during the last 10 years. The current Wikipedia view is very ancient and less up-to-date. Whereas currently the look of a website greatly affects the number of user visits.

There are many tools that can be used to design a website. Both the paid and the free, now very easy to obtain in the era of the internet as it is today. One of them is Adobe XD. It offers a clean and simple look with the purpose to design websites quickly.

II. BASIC THEORY

A. Web Design

Design is the process of collecting ideas nad aesthetically arranging and implementing them, guided by certain principles for a specific purpose. Web design is a similar process of creation, with the intention of presenting the content on electronic web pages, which the end-users can access through the internet with the help of web browser.

Web design encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design, user interface design, user experience design, and search engine optimization. The terms web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. [1]

1) Elements of Web Design

Web design uses many of the same key visual elements as all types of design such as :

- Layout : The way the graphics, ads, and text are arranged.

- Color : The characteristics that want to be displayed on the website.

- Graphics : Visualization of logos, photos, clipart or icons, and all of which enhance the web design.

- Fonts : Visualization of the letters on the website including type, size, and color.

- Content : The topics that will be discussed on the website.

2) User-friendly Web Design

A website must also always consider the end user. User-friendliness can be achieved by paying attention to the following factors.

- Navigation : Site architecture, menus and other navigation tools in the web design must be created with consideration of how users browse and search.

- Multimedia : Relevant video and audio stimuli in the design can help users to grasp the information, developing understanding in an easy and quick.

- Compatibility : Design the website, to perform equally well on different browsers and operating systems, to increase its viewing.

- Technology : Advancements in technology give designers the freedom to add movement and innovation, allowing for web design that is always fresh, dynamic and professional.

- Interactive : How users interact with the website.

B. Wikipedia

Figure 1. The Wikipedia Logo

Wikipedia is a free online encyclopedia with the aim to allow anyone to edit articles. It is the largest and most popular general reference work on the Internet and is ranked among the ten most popular websites. It is owned by the nonprofit Wikimedia Foundation.

Wikipedia was launched on January 15, 2001, by Jimmy Wales and Larry Sanger. Sanger coined its name, a portmanteau of wiki and encyclopedia. There was only the English language version initially, but it quickly developed similar versions in other languages, which differ in content and in editing practices. With 5,398,963 articles, the English Wikipedia is the largest of more than 290 Wikipedia encyclopedias. Overall, Wikipedia consists of more than 40 million articles in more than 250 different languages and, as of February 2014, it had 18 billion page views and nearly 500 million unique visitors each month.

As of March 2017, Wikipedia has about forty thousand high-quality articles knows as Featured Articles and Good Articles that cover vital topics. In 2005, Nature published a peer review comparing 42 science articles from Encyclopedia Britannica and Wikipedia, and found that Wikipedia's level of accuracy approached Encyclopedia Britannica's. Criticism of Wikipedia includes claims that it exhibits systemic bias, presents a mixture of "truths, half truths, and some falsehoods", and that, in controversial topics, it is subject to manipulation and spin.

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C. Adobe Experience Design

Figure 2. The Adobe XD Logo

Adobe Experience Design (Adobe XD) is an user experience design software developed and published by Adobe Systems. It supports vector design and wireframing, and creating simple interactive click-through prototypes.

In terms of naming, Adobe XD or design experience is intended specifically for the designers of mobile applications and websites or commonly referred to as UX / UI Designer. Officially launched on March 14, 2016, Adobe XD in the first version is only available for the Apple Mac OS X platform. For the Windows version, the new Adobe release it on December 12, 2016.

There are some key features in Adobe XD that facilitate their performance, the designers, including :

- Focused design tools - This tool works to create wireframes / frameworks, screen layouts and production, and create a mockup framework for other designs.

- Prototyping tools - This tool serves to define the workflow that has been created so as not to confuse with other design projects.

- Built in sharing - This tool works to make video recording during the work process of our design prototype. Can also be used to share links with fellow designers through Creative Cloud facility provided by the Adobe.

- Fast performance - create and integrate complex design projects simultaneously such as website design, mobile apps, tablet apps, and smart watch apps without disrupting software performance or lagging.

Software that is able to facilitate the designer in working on prototype or application design, especially based on mobile and tablet is still in development stage which until now has done the latest update on April 19, 2017 with the code v. 0.6.24.
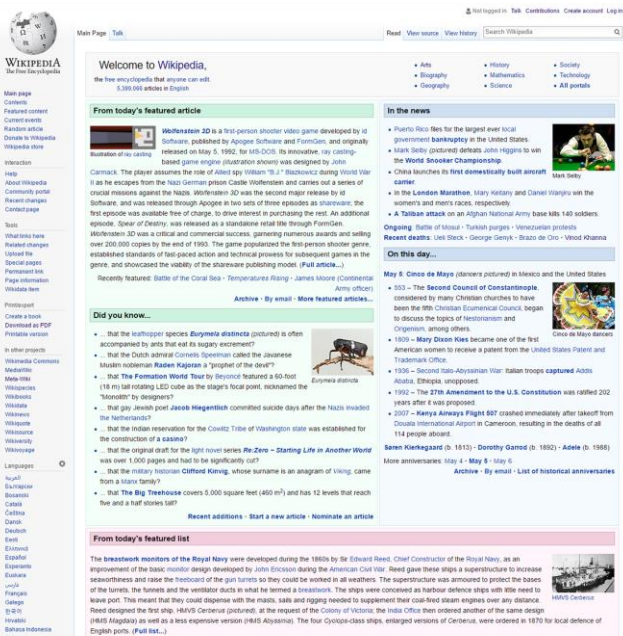
III. IMPLEMENTATION

For about 10 years, Wikipedia website does not get any updates in terms of looks. This makes its interface so outdated compared to the websites that exist today. Although not urgent, but updates are necessary to keep users interested to visit it.

The redesign process of Wikipedia website begins with the research the current UI. Followed by paper wireframing to speed up the process. And the last process is to design high fidelity by using Adobe XD.

A. Research the Current UI

The current research process is needed to determine what points to take and what is left on the new design. It is focused on the parts that undergo repetition as in the language setting. Repetition of a part leads to ineffective user flow thus affecting the user experience.

On the current start page, it feels very boring in terms of appearance because it is only filled with writing with little image. For that, the new design will be made as simple as possible without reducing its user experience. The layout of the placement of parts such as From today's featured article, In today's feature, Did you know, and From today's featured
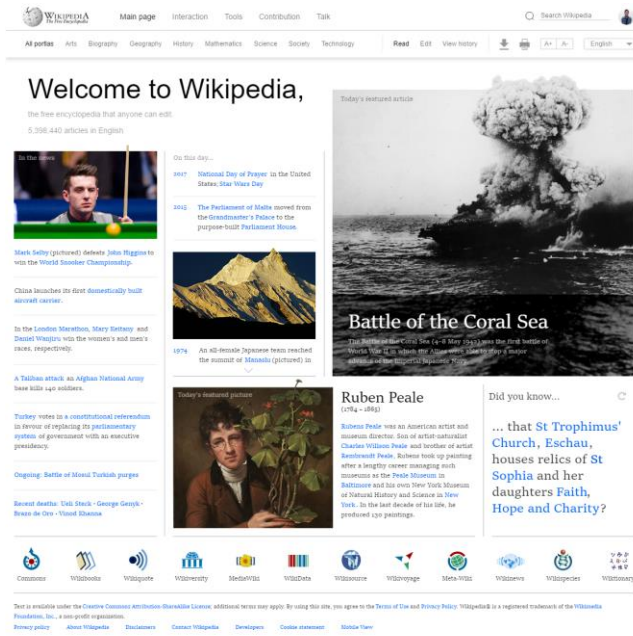
Current UI

Redesign UI

picture on the new design are likened to the current design because the user has become familiar with the placement.

B. Wireframe Low Fidelity

Wireframing low fidelity is done with paper media because this method is considered the fastest compared to other methods. This process is the initial process of determining the design that will enter the high fidelity process.

The design is made in several options to then be evaluated and selected the best design in terms of aesthetics and effective in terms of user experience.
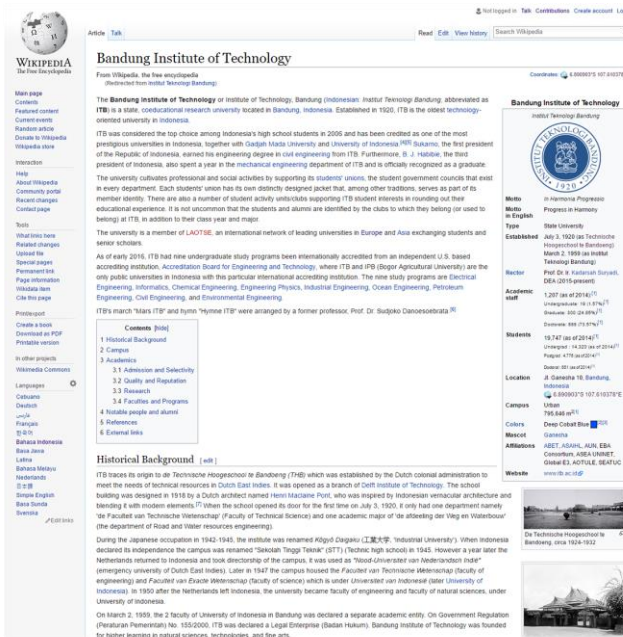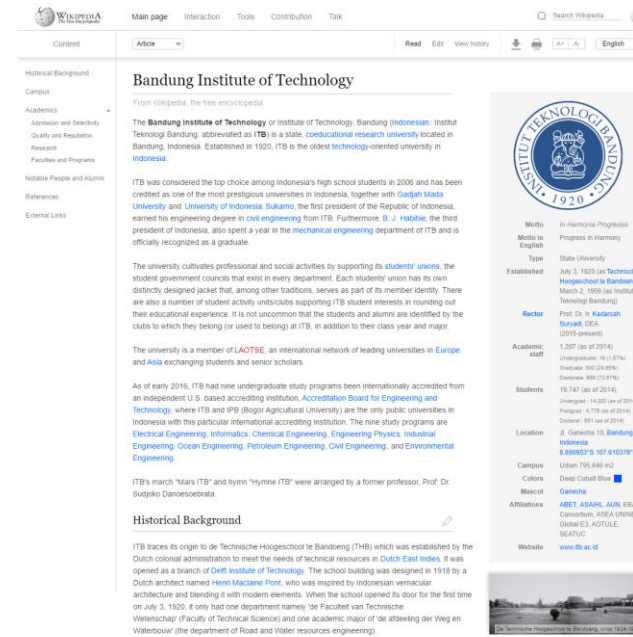
C. Design High Fidelity

High fidelity design process is done using Adobe XD. Adobe XD was chosen because it is still in beta version so it is still free and predicted to be fundamental tools for UI/UX expert. Adobe XD design process is very easy and fast because it has a minimalist look so that users focus on what it wants to do. The interface is also made similar to other Adobe applications such as Adobe Photoshop so it is not difficult to learn it when it has mastered one of these Adobe products.

Navigation bar that located at the top and Content bar that located on the left side of the website made fix at the time of scrolling because these parts must be easily accessible by users.

Current UI

Redesign UI

The Navigation bar contains the main page settings of articles such as font size, language, article print, and download. Content bar is a list of the contents of the articles that users are reading so that moving chapters can be easily and quickly done.

The font used in this process is Arial and Sitka Text in black which transparency is set to 80%. This color is chosen because humans tend to get tired quickly when reading with a striking contrast like a dark black on white.

IV. Conclusion

Wikipedia requires a redesign to improve the user experience of its use and Adobe XD is very suitable to do that

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Statement

I hereby state that the paper I have been writing is original not an adaption, nor a translation of one's paper, nor a plagiarism.

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