Build Design of Information Media Application in Purwokerto Based on Multimedia

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Abstract. Transportation is a major problem for newcomers in certain places. Types of transportation and trails make newcomers confused when they want to visit a certain place. There are several media that can solve the problem, but the limitations of the media make it difficult for newcomers to find the right track in the city, for example in Purwokerto city. One of the media that can be used is multimedia-based media. In this case, it can be created using Adobe Flash CS5. This software can be used to create animations about urban transport vehicle lines in Purwokerto. Multimedia applications make users know information that is accurate, precise, fast and interesting.

1. Introduction

Information technology can help us to provide fast, precise, accurate and attractively. In this case, the use of media to support multimedia applications very user as a means of delivering information. This multimedia application allows users to get information quickly and accurately.

The terminal is a bus after cessation and will operate[1]. Typically, the first time in a city, for example, Purwokerto and do not understand where the actual dismissal, must always choose the terminal as a place to stop. Not infrequently, the new people who come to Purwokerto confusion regarding the place to be visited. So that the person will ask other people, who sometimes do not know or many other reasons. If someone wants to get to the next place after the terminal, many people do not know what to use transportation like, as well as the way to go about anything.

In this case, the information needs are felt, which is faced with a situation that is filled with the urgent need to decide on a policy, in order to travel as planned. In this case, the multimedia application is needed, because by using the application display which highlighted the route that will be passed can be seen easily. Therefore, it should be made Media City Transport Information[4]-Based Multimedia Purwokerto.

2. Methods

The method of research in making applications Purwokerto city transportation information media multimedia based are as follows[2]:

1. Data Collection
   a. Interview
   b. Literature review
2. Design System Structure [3].
   a. Conceptual Design
      Here is a flowchart of this application (Figure 1).

   ![Flowchart Transport Applications These Purwokerto]

   **Figure 1.** Flowchart Transport Applications These Purwokerto

   b. Physical design
      Design Image Shape Design About any menu that will be in this application that public transportation [5] will be built.

3. Making Applications
4. Testing
5. Implementation

3. Results and Discussion
3.1. Hardware and Software specifications.
One unit of the computer used as a tool to use application with minimum specifications as follows:
   a. Hardware
      • Intel Core Duo Processor T6600 2.2GHz
      • RAM: 1GB
      • HDD 160 GB
      • Monitor LED / LCD
   b. Software
      • Adobe Flash Professional CS5 that has been published with an .exe file format.

3.2. User Interface
Application of this system is implemented in the form of interface, such as the following pictures:
   a. Loading Form. This form is shown in Figure 2. In this form, it only shows a simple animation before heading into the user menu.
b. Form Home, this form is shown in Figure 3. In this form, the user will be shown an animation in which there is a public transportation driver who is talking and there is a menu button to get to the next menu.

![Form Home](image)

Figure 3. Form Home

b. Form Home, this form is shown in Figure 3. In this form, the user will be shown an animation in which there is a public transportation driver who is talking and there is a menu button to get to the next menu.

![Form Home](image)

Figure 3. Form Home

c. Form Menu. This form is shown in Figure 4. In this form, the user can view and select the menu on this program. The program has three menus that each menu item will present information on the menu that have been selected.

![Form Menu](image)
d. Form Menu Profile. This form is shown on Figure 5. On the menu this profile, the user can see at a glance about profile Purwokerto

**Figure 5. Form Menu Profile**

e. Form Menu Line. This form is shown in Figure 6. In this form, the user can choose the path that has been provided. Each cursor is pointing to each track will be shown the route to be traversed by the freight. If the user has determined will be the means of transport which, users just click on that path
f. Form menu each selected path is shown in Figure 7. The menu of each of these paths the intention is to have 16 Purwokerto city transit lines, where each track and city transportation have different routes, the program has provided a choice of paths A1 to P1. Where the user can select one of the lines to see the route of the city transport chooses. In the picture below, will be shown in one of the lines, ie Line A1. Route of city transport A1 indicated by a yellow stripe and there can also be seen there is animation car that is moving through the route.

Figure 7. Form menu of every stripe

g. Form of each of the selected path. In the picture above can be seen that there are 16 menu button Line A1 (the selected path) and the menu button Description and Voice. Here is a screenshot of the Line Description and Specification and Sound. Shown in Figure 8 and Figure 9.
Figure 8. Description of the Form The selected route of Line

Figure 9. Form regarding the information on maps and sound settings

h. Form Gallery. In the form shown in Figure 10 contains about drawings or photographs for a map of Purwokerto city[6]. So that visitors to the city of Purwokerto can imagine how the state of it. The image also comes with a description of the place name.

3.3. Due Diligence Questionnaire Results

After performing the division and filling the questionnaire, then to calculate the value of the average scores used the formula described previously, namely:
Average value = \frac{\text{Total score of answers used}}{\text{Total validator}}

The total score of answers used is the average total score. It can be calculated as follows:

The average value = \frac{429}{10} = 4.29 \text{ rounded up to } 4.3

From the calculation can be concluded that the average value obtained reaches the average value is expected, which is 4.3. It can be concluded that the application of information media Purwokerto city transportation can already be said to be good enough for use in the terminal town of Purwokerto.

4. Conclusion

The conclusion that can be drawn from this is the final report of this information the media serves to use the terminal Purwokerto visitors to be aware of the route and the transit lines that existed during this Purwokerto. The program is expected to help visitors with car use public transportation so that visitors do not get lost later on, because visitors will not be confused again about the route and the path to take to get to a place. According to the questionnaire that has been analyzed, it can be concluded that the application is fit for use in Purwokerto city terminal so that the visitors can get the information quickly and accurately.

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