

4.11 Site Diagram

Figure 3 is a site diagram of a web application that will be created. The web application that will be created has 2 frameworks, namely a framework for users and a framework for admin.

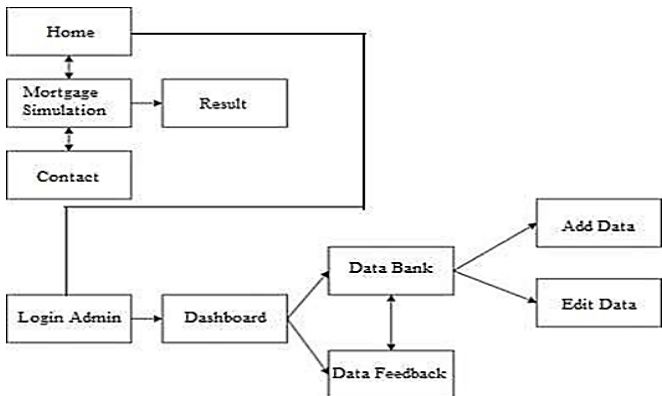


Figure 9: Site Diagram

5. SYSTEM PROTOTYPE

5.1 Home Page

Figure 4 is the home page is the initial display of the web application. Contains an explanation of the web application. Users can switch to the DSS KPR page and contact page from the home page.

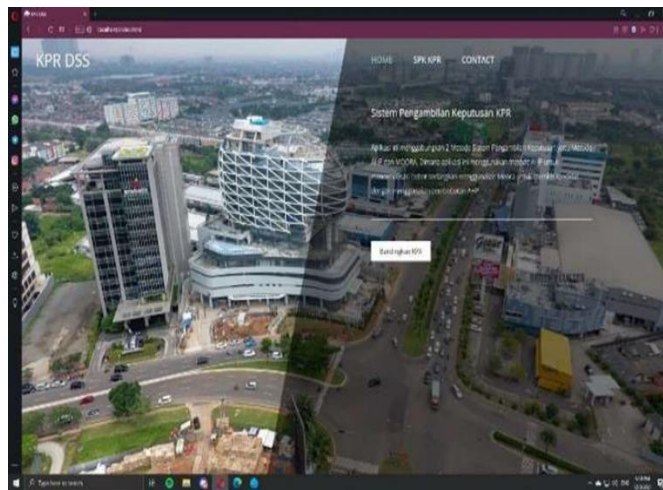


Figure 10: Home Page

5.2 Input DSS Page

The DSS KPR input page, shown in Figure 5, is the page where the user indicates the significance of each criterion. The user's input takes the form of integers, where a value of 1 indicates that both criteria are equally essential, whereas a value of 2 indicates that criteria are twice as critical as criteria b. The user can have the option to enter negative integers to give criterion b a higher value. d Criteria b is twice as essential as criteria a, according to the user's response of -2.

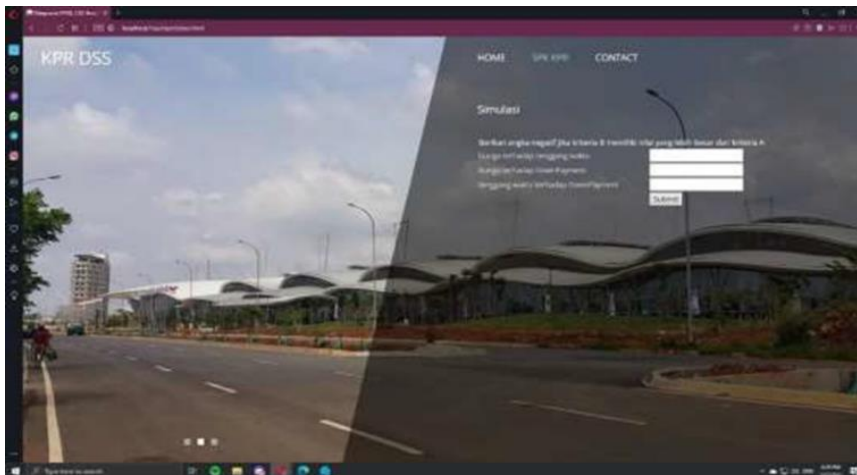


Figure 11: Input DSS Page

5.3 Result Page

Figure 6 After the user provides input on the importance of the criteria,

the user will be redirected to the results page. Where on this page will display the ranking of the existing banks in accordance with the input of interest criteria from the user.

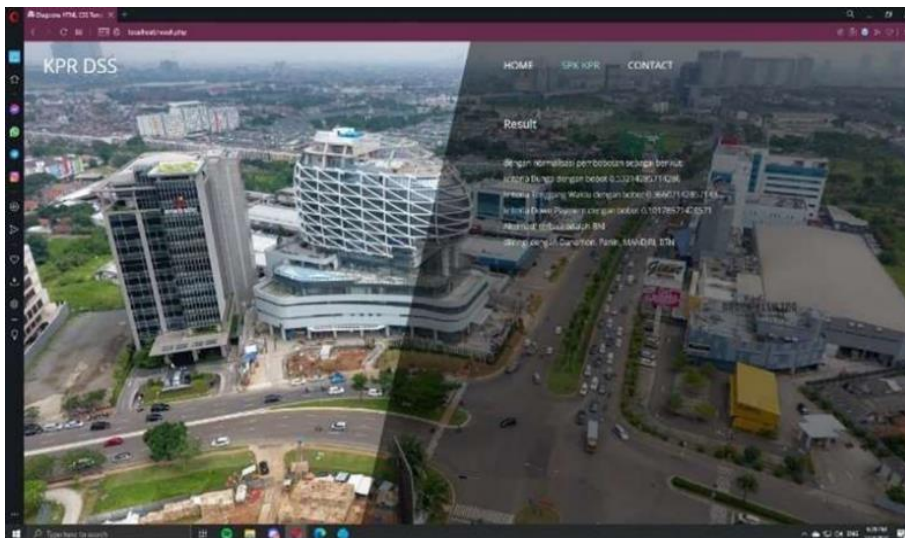


Figure 12: Result Page

5.4 Admin Dashboard Page

Figure 7 is the admin dashboard page. Admin can access this page after

logging in, this page displays the contents of the bank database and feedback database. Admin can add bank data and change existing data. And delete data that is no longer needed.

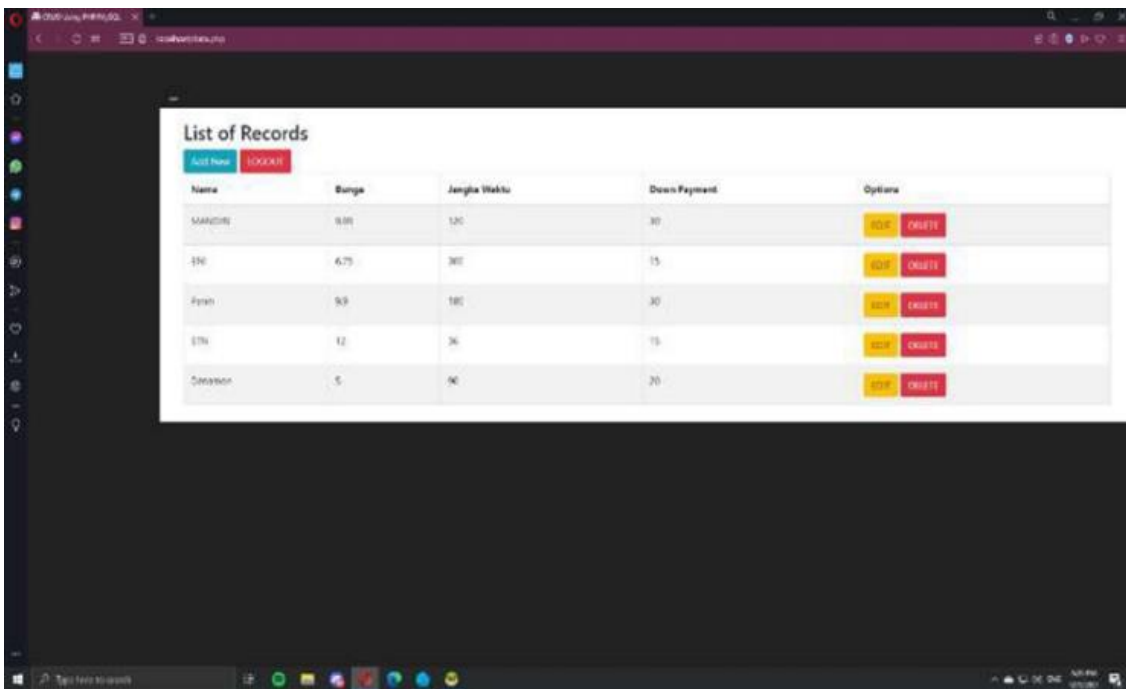


Figure 13: Admin Dashboard Page

6. IMPLEMENTATION


6.1 User Acceptance Test

In the User Acceptance Test stage, several respondents will be selected to test the system and provide responses to the user acceptance test form.

Table 4: Form User Acceptance Test			
Name	Jason Kuanca		
TTD			
No	Case	Percentage	Result
1	Test Name: Page Access	80 %	Passed
	Description: Navigate each Page		
2	Test Name: Login Page Admin	85 %	Passed
	Description: Login with the existing admin user		
3	Test Name: Add Data	75 %	Passed
	Description: Inputting data into the database		
4	Test Name: Edit Data	80 %	Passed
	Description: Make changes to existing data		
5	Test Name: Clear Data	85 %	Passed
	Description: Perform data deletion		
6	Test Name: Conducting a KPR DSS Simulation	90 %	Passed
	Description: Application Trial		

Table 5: Form User Acceptance Test			
Nama	Yosafat Tanok		
TTD			
No	Case	Percentage	Result
1	Test Name: Page Access	80 %	Passed
	Description: Navigate each Page		
2	Test Name: Login Page Admin	85 %	Passed
	Description: Login with the existing admin user		
3	Test Name: Add Data	80 %	Passed
	Description: Inputting data into the database		
4	Test Name: Edit Data	85 %	Passed
	Description: Make changes to existing data		
5	Test Name: Clear Data	90 %	Passed
	Description: Perform data deletion		
6	Test Name: Conducting a KPR DSS Simulation	85 %	Passed
	Description: Application Trial		

Table 6: Form User Acceptance Test

Table 6: Form User Acceptance Test			
Nama	Muhammad Hanif Triyana		
TTD			
No	Case	Percentage	Result
1	Test Name: Page Access	90 %	Passed
	Description: Navigate each Page		
2	Test Name: Login Page Admin	85 %	Passed
	Description: Login with the existing admin user		
3	Test Name: Add Data	80 %	Passed
	Description: Inputting data into the database		
4	Test Name: Edit Data	80 %	Passed
	Description: Make changes to existing data		
5	Test Name: Clear Data	80 %	Passed
	Description: Perform data deletion		
6	Test Name: Conducting a KPR DSS Simulation	85 %	Passed
	Description: Application Trial		

7. SYSTEM

A web-based decision support system using the fuzzy-AHP moora method has been implemented to assess the network switch provider choice and determine the choice of network switch provider; a web-based decision support system using the fuzzy-ahp moora method has been put in place (Kasmir, 2014; Khoiry et al., 2022; Heriyatia et al., 2017). This study discovered six vendor selection factors for vendor selection were found discovered in this study through literature analysis and re-selection by corporate decision decision- makers. The weight of each criterion has been determined by applying a pairwise comparison of AHP to make business decisions using a pairwise comparison of AHP to make business decisions, the weight of each criterion has been determined. BlackBox phase is used in UAT testing to determine the average of three users, and the results show that user number one has an average score of 83%, user number two has an average score of 84%, and user number three has an average score of 83%. The average for all results is 83%. that the prototyping has been successfully implemented.

8. CONCLUSION

By ranking each bank, this study allows consumers to choose consumers with the option of choosing credit from a particular bank. Based on the study's findings, this application may deliver the desired outcomes, namely a ranking list of each bank based on the relevance of the user-selected criteria. It is possible to draw the following conclusions from the analysis, design, and implementation processes used in the preceding chapters:

1. A web-based application has been developed to give a rating list of each bank based on the significance of the user-selected criteria give a rating list of each bank based on the importance of the user-selected measures, a web-based application has been developed.
2. By putting a decision-making mechanism in place, applications are created.
3. This decision-making system-based application can offer information about the Bank and more in-depth details such as well

as more in-depth details such interest payments, the time it takes to get a mortgage, and the term of the loan.

4. This website-based application is constantly updated so users may stay current with the news.
5. A user-friendly website should be appealing and straightforward.

LIMITATION AND FURTHER RESEARCH

The research is limited in only collecting it only collects data from the region surrounding Tangerang. Three criteria—interest, downpayment, and payment grace period—are used as components in the Decision Support System. It is hoped that several indications can be added to make the system more accurate. In terms of research methodology for the future, you can utilize a machine learning expert system, specifically clustering, because the area considerably affects the outcomes.

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