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System Information Object Gunungkidul Beach Tourism and Booking Travel Services Using the Laravel Framework

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Abstract

Gunungkidul is famous for with beauty the beach is stunning. However, information about object tour beaches in Gunungkidul is Still scattered and difficult to access for tourists. Apart from that, tourists also experience difficulty in order tourist travel services To visit beaches. Thesis This aims To develop a system information object tour beach Gunungkidul and reservations tourist travel services using the Laravel framework. System This provides complete and accurate information about object tour beaches in Gunungkidul, as well as possible traveler order tourist travel services with easy and safe. Study This uses a method combination of Qualitative and quantitative with the Laravel framework system, which is a popular PHP framework For the development of web applications. Laravel provides various convenient features of development systems, such as routing, databases, and authentication. Data collection techniques use surveys created online with Google Forms. Study This uses waterfall methodology. The waterfall methodology is the methodology development of device linear software and processes sequentially. System This has been tested and proven can walk with Good. System This can help travelers get information about object tour beaches in Gunungkidul and order tourist travel services with ease and safety.

Keywords: system information, object tour beach Gunungkidul, *Laravel framework*

1. INTRODUCTION

Gunungkidul Regency is one of the tourist attractions in Yogyakarta. In 2023, from 81 tourist attractions, the number of tourists coming to visit will be 3,717,423 people. Where there were 3,713,143 local tourists and 4,680 foreign tourists. The most tourists coming to tourist attractions in Tanjungsari District were 1,380,940 people [1].

The availability of complete and accurate information is one of the factors for tourists to visit this destination [2]. Travel businesses can use technology to make the process of ordering travel services easier [3]. However, the publication of beach tourist attractions in Gunungkidul Regency needs to be increased and sharpened. Promotion of tourist attractions, for example, builds a system that provides information on the estimated costs needed by tourists to visit a desired tourist attraction [4].

Data about tourist destinations spread across various sources often confuses tourists in getting accurate information [5]. On the other hand, the process of searching and comparing travel options can take time. This is because tourists have to go to the travel operations office to find out information about travel bookings [6]. Therefore, an information system is needed that can make it easier for tourists to find information and order travel services for beach tourist attractions in Gunungkidul.

The Laravel framework is a popular PHP framework For the development of web applications. Laravel provides various convenient features of development systems, such as

routing, databases, and authentication [7]. Solution carried out in study This is designing system information containing object tour beach in Gunungkidul using the Laravel framework. System This provides complete and accurate information about object tour beaches in Gunungkidul, as well as possible traveler order tourist travel services with easy and safe. The availability of complete and accurate information is one of the factors travelers visit destination. Travel businesses can use technology to make it easier in the ordering process of travel [8]services.

Research conducted entitled [9]"Online Booking Application for Tourist Travel at Sartana Tour and Travel Based on Web Using the Lean Development Method", concluded that the role of information technology can be applied to make it easier to access information about tourist trips and can make it easier when ordering tourist travel so that tourists No need to bother going to the travel operations office. Also in the research journal conducted by [10]entitled "Development of a Tour Travel Service Information System and Tour Package Recommendation System in Yogyakarta Using the Content-Based Filtering Method". This research aims to build a Tour Travel service information system that is more interactive and makes it easier for tourists who want to relax in Yogyakarta. From the research journal with the title "Web-Based Bali Province E-Tourism with the Laravel Framework," we have been able to build an application that can provide extensive information in the form of writing, images, and location mapping to increase the interest of local tourists in visiting Bali Province [11]. The research entitled "Design Application System Information Tourist Web Based in District Nagekeo East Nusa Tenggara Province with method *Location Based Service* (*LBS*)". Result of the study This traveler can easily and fast get information about objects tourism, culinary, and accommodation around location tourism in the Regency Nagekeo [12]. The research entitled " Design System Object Online Ticket Booking Tour Reservoir Malahayu Web Based and PHP Mysql ". Result of the Study the success of implementing system booking web-based online ticketing using PHP and MySQL for Object Tour Reservoir Malahayu [13]. A study titled Planning E-Ticketing Application for Website-Based Bus Agents Using Laravel produces results capable of an e-ticketing website system to help the community buy bus tickets and minimize damage and loss of tickets [14].

2. RESEARCH METHODS

Study This uses waterfall methodology. The waterfall methodology is the methodology development of device linear software and processes sequentially. The waterfall methodology is divided into five stages, namely :

2.1. Analysis Needs: This stage aims To identify the need user system.
2.2. System Design: This stage aims to design the system that will built.
2.3. Implementation System: This stage aims To build a system that has been designed.
2.4. Testing System: This stage aims For the test system that has been built.
2.5. Maintenance System: This stage aims To look after a system that has been built [15].

Object study This in a way combines aspects of technology information, development system, interaction man with the system, as well application from the system in context tourism and booking tourist travel services. Data collection methods were carried out with a distributed online survey via Google Forms.

3. RESULTS AND DISCUSSION

The login page is a gate for users To access something system or application. Usually, page These displays form simple that asks the user To enter credentials, like Name user, and password.

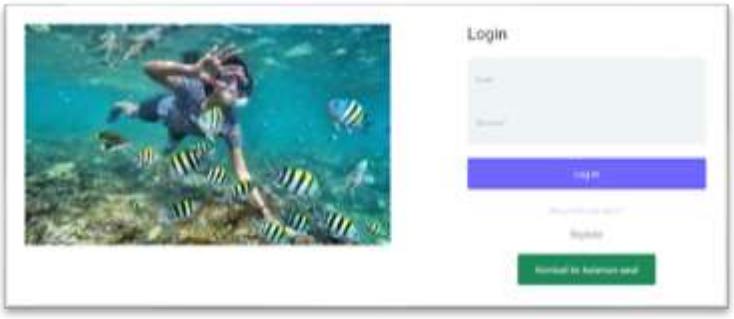

Figure 1. Login page

The system admin dashboard page is an tool important thing that helps the admin to manage and monitor the system in a way effective. A designed dashboard with nice and easy to use and can increase admin efficiency and productivity, as well as help guard the health and performance system in a way whole.

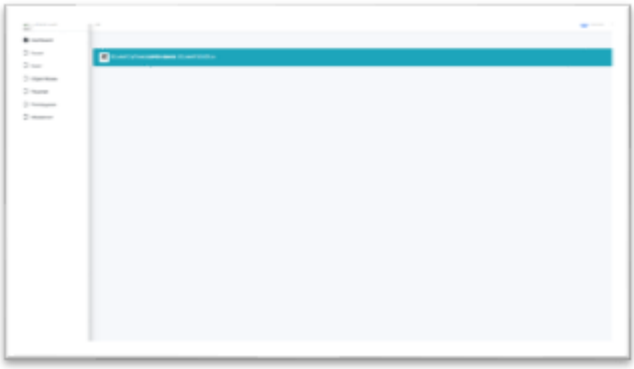

Figure 2. Dashboard page

Add car data page is part of the system information the car used For enter information new about the car will offer For rent. This page is usually addressed to the officer or the admin who owns its authority For adding inventory data car.

Figure 3. Add Car Page

The page for adding travel driver data is part of the system travel information used For entering information new about the driver working for a travel company. this page is usually addressed to HRD or admin who owns its authority For managing employee data.

Figure 4. Add Driver Data page

Add object data page tour beach is part of system information tourism use For enter information new about object tour the beach will be added to in the system database. this page is usually addressed to the admin or officer who has the authority To manage object data tours.

Figure 5. Add Object Data page Beach tourism

The home page on the system information object tour beach Gunungkidul and reservations tourist travel services must designed with Good For interesting interest visitors and provide their information needs. this page must become a door interesting and informative gate for visitors who want to explore beautiful beaches in Gunungkidul and use the services offered by the system.

Figure 6. Information homepage Beach Objects

Object details page tour coast on the system information designed To give complete and interesting information to visitors about A object tour beach certain. this page aims To help visitors decide if they want to visit an object tour.

Figure 7. Object Details Page Tour

The travel booking details page in the system information designed To give information on complete and detailed booking tourist travel services to the user. this page works as confirmation and summary To help users understand services that have been the message.

Figure 8. Travel Booking Details Page

Payment page booking tourist travel services is part important in the possible ordering process user For finish transaction and earn confirmation end on booking.

Figure 9. Travel Payment Page

The order details page is successful on the system information designed To give confirmation and information complete to users about reservations made they finish. this page works as proof transactions and helps the user manage bookings.

Figure 10. Order Details Page

ticket page on the system information designed To provide access easy and safe for users For managing e-tickets journey they. this page possible users To view, print, and download e-tickets, as well as access information on important related journeys.

Figure 11. Travel ticket E page

Black Box testing is carried out by the program supervisor. Testing is done with the method running the program. Does testing aim To know what is the resulting program? can work with Good.

3.1. Testing the Login & Registration Form i

No	Question	Yes	No
1	Can users log in using a valid username and password?	**v**	
2	Can the user? do registration with complete and valid data	**v**	
3	Can the user? do a password reset if forgot the password?	**v**	
4	Can the user? log out of the system?	**v**	

3.2. Tourist Attraction Data Management Testing

No	Question	Yes	No
1	Can the admin? add object data tour new?	**v**	
2	Can the admin? edit object data existing tours There is?	**v**	
3	Can the admin? delete object data tour?	**v**	
4	Can the user? View detailed information objects tourism, like descriptions, photos, addresses, and opening hours.	**v**	

3.3. Testing on Travel Services Data

No	Question	Yes	No
1	Can the admin? adding new travel service data?	**v**	
2	Can the admin? Edit existing travel service data There is?	**v**	
3	Can the admin? delete travel service data?	**v**	
4	Can the user? Do you book travel services?	**v**	

3.4. Testing Booking Travel Services

No	Question	Yes	No
1	Can the user? choose a date and amount participant For order?	**v**	
2	Can the user? do a confirmation order?	**v**	
3	Can the user? see order status?	**v**	
4	Can users? Choose what type of travel you want.	**v**	

3.5. Testing System Payment

No	Question	Yes	No
1	Can the user? do payment with available methods?	**v**	
2	Can users? do confirmation payment?	**v**	
3	Can the user? see proof of payment?	**v**	

System information object tour beach Gunungkidul and reservations tourist travel services has developed using the Laravel framework. System This consists of several modules. The following are the advantages and disadvantages system :

3.6. Excess System

3.6.1. System This can accessed Through the Internet.
3.6.2. Travelers can book tourist travel services through the system without having to come office for operational travel services.
3.6.3. Information module object tour beach: This module provides information about object tour beaches in Gunungkidul, such as the Name beach, location, description, photos, and facilities.
3.6.4. Ordering module tourist travel services: This module possible travelers For order tourist travel services To visit beaches in Gunungkidul. Traveler can choose a package suitable tour with their needs and budget.
3.6.5. Authentication module: This module possible users To register and log in to the system. Registered users can access all feature systems, including order tourist travel services.

3.7. Lack System

3.7.1. The system is only website-based.
3.7.2. Payment Not yet using a virtual account or direct from the system. Just uploading proof of payment to the system.

4. CONCLUSION

Developed system in study This proven can work with Good For giving information object tour beaches in Gunungkidul and reservations travel services. This matter answers the problem information object tour still beach scattered and troubled travelers in order travel services. For development next, the system can developed more Good again to get it to give coherent information about object tour beach in Gunungkidul and make it easy for travelers to order easy travel services.

5. SUGGESTION

Some suggestions for further study furthermore :

5.1. Develop system information This covers object other tourist attractions in Gunungkidul, such as tour culinary and tourism culture.
5.2. Develop system information This For become a mobile application so more easily accessible to tourists.
5.3. Do study more carry on about influencing factors travelers in choosing object tour beach.

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