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Implementation of Tourism Information System at Tuban Regency

Author
Anggia Kalista, Agus Wardhono, Argya Drestanta

Correspondence
Universitas PGRI Ronggolawe Tuban
anggiakalista@unirow.ac.id, aguswardhono@unirow.ac.id, adrestanta6@gmail.com

Abstract:

Republic of Indonesia The Ministry of Communication and Information Technology in Tuban Regency in managing tourism sector is still minimal because it still displays a less attractive website to attract travelers when they want to vacation in Tuban Regency. The purpose of this program is to develop the Tuban Regency Tourism system by using website because this can make it easier for people who really need it in finding tourism objects in Tuban.

We used an observation as the first instrument by observing Tuban regency from many sides, interviewed some tourists which visited Tuban more than once, and read some articles from journals and books.

The role of Communication and Information Technology Department in Tuban Regency is a key to success in Tuban Smart City in 2021. Tuban as City Smart, making integrated applications in both the tourism sector and other parts, this activity has become increasingly important in order to meet the twenty-first century which is all digital.

Keywords: implementation, information system, tourism

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Introduction

In this era globalisastion we as part of the world need an information system to connect one each other. Boell (2015) claimed Information systems (IS) involve a variety of information technologies (IT) such as computers, software, databases, commu-nication systems, the Internet, mobile devices and much more, to perform specific tasks, interact with and inform various actors in different organizational or social contexts. Of general interest to the field of IS are therefore all aspects of the development, deployment, implementation, use and impact of IS in organizations and society.

In this program we operated **XAMPP** stands for Cross-Platform (X), Apache (A), MySQL (M), PHP (P) and Perl (P). It is a simple, light-weighted Apache server that makes it extremely easy for developers to create a local http server with just few clicks.

In the next step we operate by using Sublime Text. That is an editor application for code and text that can run on various operating system platforms using Python API technology. The creation of this application was inspired by the Vim application. This application is very flexible and powerful. The functionality of this application can be developed using sublime-packages. Sublime Text is not an open source application, which means that this application requires a license that must be purchased. However, several development features of the packages of this application are the result of the findings and receive full support from the community and have a free application license (Haughee, 2013)

We should manage all data in computer system in a big storage. The database is a collection of data stored by a system that can be changed and manipulated through software (application programs) to be processed into information. The form of data management is intended so that access to data can be done easily. The system intended to handle databases is usually called a DBMS (Database Management System).

PHP is a script language and interpreter that is freely available and used primarily on Linux Web servers. **PHP**, originally derived from Personal Home Page Tools, now stands for **PHP**: Hypertext Preprocessor, which the **PHP** FAQ describes as a "recursive acronym."

MySQL is one of the database management systems (DBMS) of many DBMS such as Oracle, MS SQL, Postagre SQL, and others". MySQL functions to process databases using SQL language. MySQL is open source so we can use it for free.

CodeIgniter is an open application in the form of a PHP framework with an MVC model (Model, View, Controller) to build dynamic websites using PHP. Codeigniter makes it easy for developers to create web applications easily compared to making them from scratch.

Method

Method of implementation of this program we use literature method by reading some books, looking for journal, and practising theory in a reality work. Interview method held in the field between the authors and the department by guiding of the field supervisor. Research is not a machine to grind out facts. The main machine in all research is a researcher, or a team of researchers by using technology (Stake, 2010: 36).

Time and Place

Practical Work is carried out at the Communication and Information Technology Agency of Tuban Regency, located on Jalan Mastrip Tuban. Implementation of practical work starts from January 20, 2018 to February 20, 2018. It started on Mondays to Fridays. It began at 8: 30 am to 15: 00 am.

Implementation

Preparation

We conducted all preparation before building a tourism information system Tuban Regency, the applications needed include:

1. Install Xampp, because this tourism information system can only be accessed offline for a while and we will create a local server.
2. Install Sublime, this system will be built with a PHP program. Use Sublime to build or edit the tourism information system source code.

Pseudocode Program

In the Pseudocode stage, this program will explain the program to build a Tourism Information System in Tuban Regency.

In the Information System of Tuban Regency Tourism we have made two modules, namely *admin* and *user modules* on this system, users can access the views that we provide, namely the user and admin modules, we have also provided module for the admin to help his activity.

1. Database System

Pseudocode:
Begin
Do Show Home Menu
Get Options
Do Case
Case selection 1 = 1 do Show Home Menu
Case selection 2 = 2 do Show Profile
Case selection 3 = 3 do Show Location
Case choice 4 = 4 do Show News
Case choice 5 = 5 do show comments
End case
End

2. Profile
Pseudocode:
Begin
Do Show Profile Menu
Get Options
Get Profile Data
Do Case
Case selection 1 = 1 do Show Home Menu
Case selection 2 = 2 do Show Profile
Case selection 3 = 3 do Show Location
Case choice 4 = 4 do Show News
Case choice 5 = 5 do show comments
End case
End

3. Location
Pseudocode:
Begin
Do Show Location Menu
Get Options
Get DataLocation
Do Case
Case selection 1 = 1 do Show Home Menu
Case selection 2 = 2 do Show Profile
Case selection 3 = 3 do Show Location
Case choice 4 = 4 do Show News
Case choice 5 = 5 do show comments
End case
End

4. News
Pseudocode:
Begin
Do Show News
Get Options
Get DataBerita
Do Case

Case selection 1 = 1 do Show Home Menu
Case selection 2 = 2 do Show Profile
Case selection 3 = 3 do Show Location
Case choice 4 = 4 do Show News
Case choice 5 = 5 do show comments
End case
End

5. Comments
Pseudocode:
Begin
Do Show Comments
  Get Options
  Get DataComment
  Do Case
Case selection 1 = 1 do Show Home Menu
Case selection 2 = 2 do Show Profile
Case selection 3 = 3 do Show Location
Case choice 4 = 4 do Show News
Case choice 5 = 5 do show comments
End case
End

6. Web Admin
Pseudocode:
Begin
Do Show Web Admin
  UserAdmin entry
  Read DataAdmin
End

7. Dashboard
Pseudocode:
Begin
Display Dashboard Menu
Get Maps
End

8. Profile
Pseudocode:
Begin
  Profile display form
  Entry Title Profile
  Entry IsiBerita
  Save To Profile Data
End

9. Add Location
Pseudocode:
Begin
  Display form Add Location
  Read Category
  Namahotel Entry
  Entry Category
  Entry Address
  Telephone Entry
  Entry Latitude
  Longlitud Entry
  Save To Location Data
End

10. Register Location
Pseudocode:
Begin
  Display Location List Form
  Read DataLocation
End

11. Categories
Pseudocode:
Begin
  Category display form
  Read Category
  Location Location Entry
  Information Entry
  Entry Icon
  Save To Category Data
End

12. Add News
Pseudocde
Begin
  Display form Add News
  Entry Title
  Entry IsiBerita
  Image Entry
end

13. Register News
Pseudocode:
Begin
  Display the News List form
  Read News List
end

14. Comments
Pseudocode:
Begin
  Display the News List form
  Read News List

End

Login admin

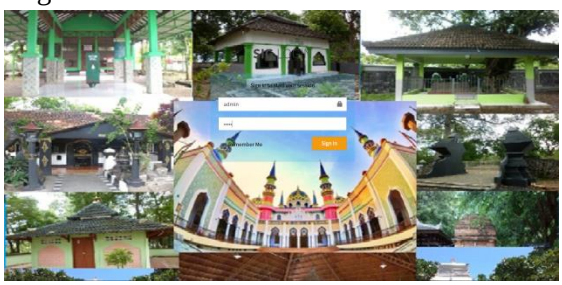

Figure 1 Login admin

Display to log in to admin

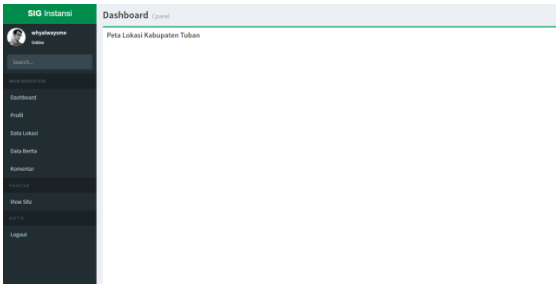

Figure 2 Admin dashboard

This displays the admin dashboard to see the map we want to add.

Display of Admin Profile

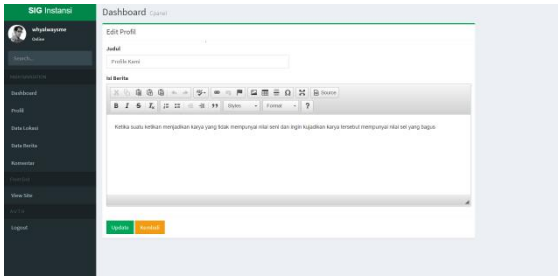

Figure 3 Admin Profile Page

This view To edit the profile on the profile page

.Page of Added Location

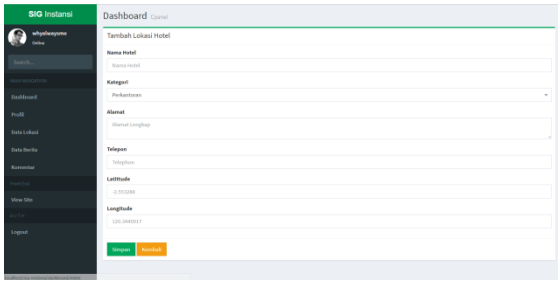

Figure 4 Page Add Location

Page to add location to google maps.

List of Location

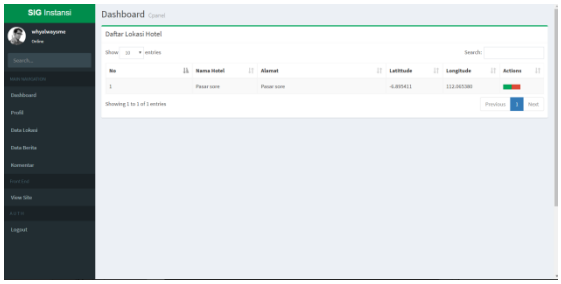

Figure 5 Location List Page

To see a list of locations on google maps.

Tambah Berita

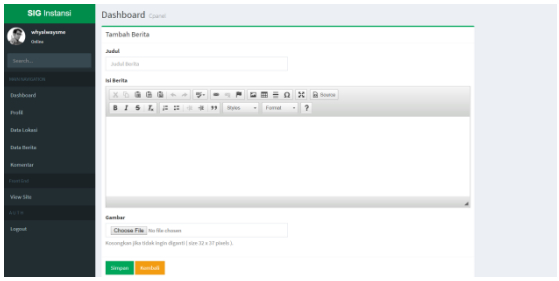

Figure 6 Add News Page

Menu for adding news.

List of News

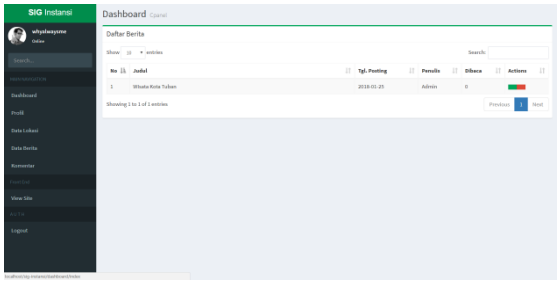

Figure 7 News List Page

To see a complete list of news.

Admin Comment Page

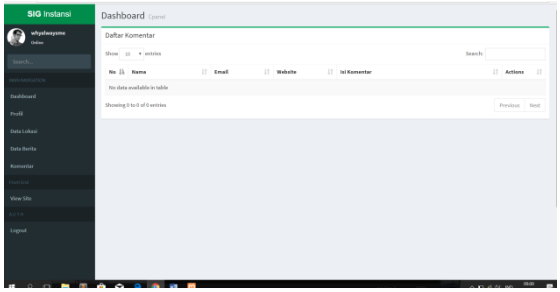

Figure 8 Admin Comment Page

Comment management page on the system.

Home Page

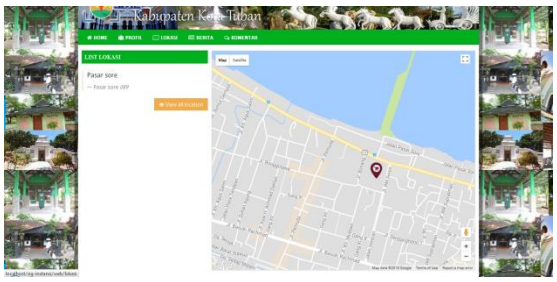

Figure 9. Home page

Above is the Home or the initial appearance of the system created.

Halaman Profil

Figure 10. Profile page

In the profile menu there are contents from the profile.

Halaman Lokasi

Figure 11. Location page

Login contains the username and password that must be entered.

Halaman Berita

Figure 12. News page

Figure 12 A news page is a display on the page that will contain the latest news.

Halaman Komentar

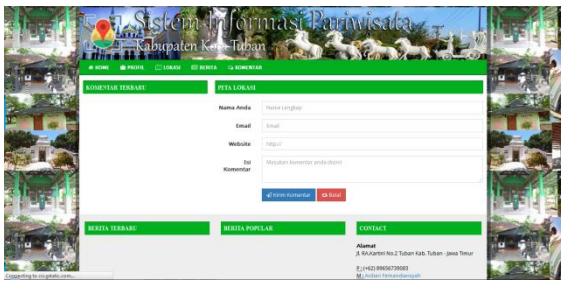

Figure 13. Comments page

The page for us to fill with comments or criticism for tourist attractions

Database Sistem Informasi

Figure 14 Information System Database

Database Information System stores several tables, namely: admin, news, categories, comments, location, and profile.

Tabel Admin

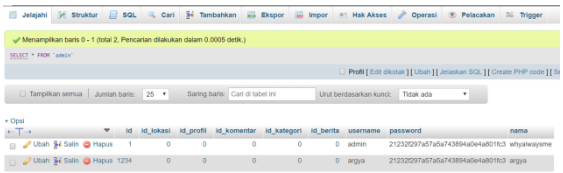

Figure 15 Admin Table

Admin table has a structure, namely: Id, Id_location, Id_profil, Id_Comentar, Id_category, Id_ita, username, password and name.

Tabel Berita

Figure 16 News Table

The News table has a structure, namely: Id_itita, title, isi_berita, image, date, author, and read.

Tabel Kategori

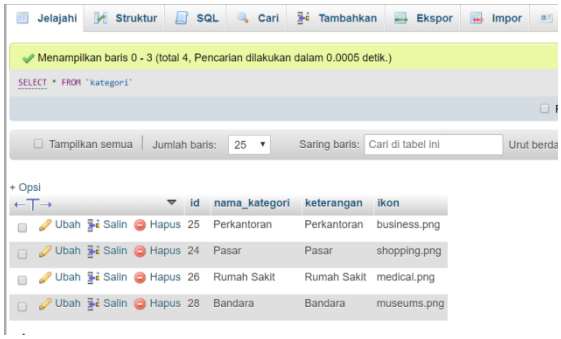

Figure 17 Table of Categories

The Category table has a structure, namely: id, name_ category, description, and icon.

Comment table

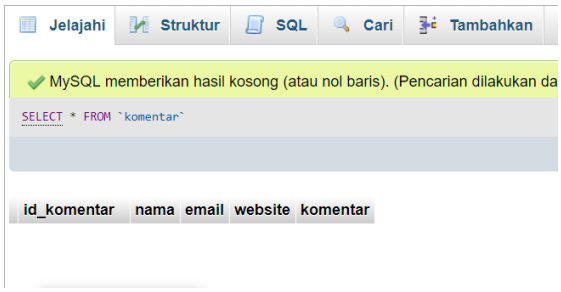

Figure 18 Table of Comments

The comments table has a structure, namely: id_ comments, names, emails, websites, and comments.

Location Table

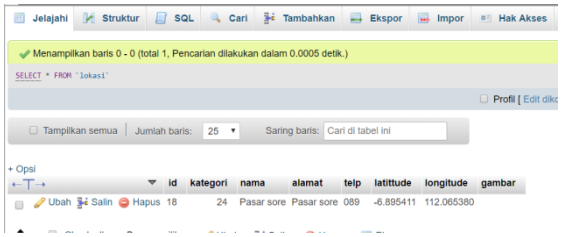

Figure 19 Location Table

The location table has a structure, namely: id, category, name, address, telephone, latitude, longtitude, and image.

Profile Table

Figure 20 Profile Table

The profile table has a structure, namely: id_profil, title, and isi_profil.

Result And Discussion

Making tourism information system in Tuban Regency so that tourists can easily find tourist attractions is the main goal of this program. We make evaluations of the achievement of the competency of this programming application by implementing an integrated module including assessing the ability to identify problems, define problems, prepare systems, profiles, locations, news, comments, web admins, dashboards, profiles, add locations, list locations, categories, added the news, the list of news was arranged systematically. The next step is how to organize it so that the program can be implemented, what should be done if something different happens from the original plan, and the ability to solve problems with different conditions is something that has been thought before.

Some of the things that are supporting factors in this service activity include: (1) all staff and leaders are very enthusiastic in providing the information needed, this is because the making of this program has the potential to be developed at the level of practical application in the field, both now and the time will come. Besides that, this programming is the substance of learning which is quite potential to be developed with special applications of automatic and integrated systems; (2) along with the preparation period of Tuban as City Smart, making integrated applications in both the tourism sector and other parts, this activity has become increasingly important in order to meet the twenty-first century which is all digital.

CONLUSION

The world is always changing, and new technology is being develop. Due to this, each generation is unique and adapts to technology in different ways. In the digital era most of the people uses Internet to communicate one each other. They always look for something new, tourism object is one of some Tuban Regency programs have been developing recently. Sooner or later the application to make it easier for tourists in finding tourist destinations is very necessary.

This can be done if the formulation of policies in the fields of tourism, culture, youth and sports is carried out in an orderly, good and systematic manner. It must be integrated in Smart city program as a part program of Republic of

Indonesia the Ministry of Communication and Information Technology in Tuban Regency.

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