

Sistem Geographic Information Web-Based Tourist Attractions Blog in Tomohon City

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ABSTRACT

Producing a Web-based Information System blog with data visualization containing information on the location of tourist objects that are presented to the public as a promotion of Tomohon tourism based on a Web Blog According to Gween Solomon, lynne Lynne, Web 2.0 Guide for educators (Jakarta: Ptindex index) Blog stands for weblog. a weblog is a type of website developed and managed by individuals using online software or a very user-friendly hosted platform, with room to write. Blogs feature instant online publications and invite the public to read and provide feedback as comments with the existence of a web blog created on blogger.com containing 10 tomohon attractions, it is hoped that it I make it easier for people to determine trips witwithatravele tomohon area which has more than 90 natural, cultural and artificial attractions. The blog content created includes 10 superior tourist attractions that are still operating well and relatively close to the city center of Tomohon and a Google Maps link to allow readers to find location points to be able to reach the most important attractions. This blog can be accessed with electronic devices such as (mobile phones and laptops) that have an internet network.

KEYWORDS: Geographic Information System, Web blog Tomohon City Attractions.

INTRODUCTION

Tomohon City is one of the areas in North Sulawesi, the location of the Tomohon City Area is surrounded by the Minahasa Regency Area, which is to the north bordering

the Pineleng and Tombulu districts (Minahasa Regency). To the south, it is bordered by Sonder and Remboken Districts (Minahasa Regency) to the west by Tombariri District. (Minahasa Regency) and the east is arisordered by Tondano District (Minahasa Regency) and Airmadidi District (North Minahasa Regency). Meanwhile, the regencies/cities adjacent to Tomohon City are South Minahasa Regency (West) Manado City (North) Minahasa Regency (Ea, st), and Southeast Minahasa Regency (South) Tomohon City is located in a mountainous area located at 0o 18' 51" North Latitude and 124o 49' 40" East Longitude, has an area of 147.21 Km² and is at an altitude of 400-1500 cmemetersove sea level with a temperature range of 180C - 300C.

Tomohon is famous for its cool places and the city is filled with flowers until it is often dubbed the city of flowers, besides that tomohon, also has various tourist objects, namely Natural Tourism, Cultural Tourism, and Artificial Tourism. Tomohon City is in a mountainous area at 0o 18' 51" North Latitude and 124o 49' 40" East Longitude, has an area of 147.21 Km² and is at an altitude of 400-1500meterss above sea level with a temperature range of 180C - 300C. besides that there are three mountains, namely Mount Lokon (1,579.6m asl), Mount Tampusu 1,474 m asl) and Mahawu (1,331 m asl). Several rivers such as the Ranowangko river, Sapa River, Sinambey R,iver and 32 springs, are scattered. In addition, there are two lakes, namely Lake Linow and Lake Pangolombian.

Difficulty determining planning and with the development of some tourist attractions that are not up to date for tourist trips because the description of the tourist area is not

available such as visualization of places, distances between tourist areas, and roads that must be traveled. Therefore, through the design and manufacture of a tourism Information System, it is hoped that it can display a tourist picture of Tomohon City so that it is more attractive and can be enjoyed by the wider community. The presentation of information in the form of a web blog makes it easier for people to access it. Based on the background that has been described, the formulation of this research problem is: How the Information System for Web-based Tourism Mapping blogs can be accessed and help tourism information in Tomohon City

Law 10 of 2009 on tourism which consists of seventeen chapters and seventy articles containing provisions covering eight things, wisata is a travel activity carried out by a person or group of people by visiting a certain place for recreational purposes, personal development, or studying the uniqueness of the tourist attraction visited in a temporary period temporary periodization areas hereinafter referred to as tourism destinations, are geographical areas located in one or more administrative areas in which there are tourist attractions, public facilities, tourism facilities, accessibility, and communities that are interrelated and complement the realization of tourism.

According to Yeti in Anindita (2015), Tourism is a consciously carried out human activity that receives services alternately between people in a country itself or abroad, including the study of people from other regions temporarily seeking satisfaction that is varied and different from what he experienced, where he obtained a permanent job.

A tourist attraction is a place that is visited by tourists because it has resources both natural and man-made, such as natural beauty or mountains, flora and fauna beaches, zoos, historical ancient buildings, monuments, temples, dances, attractions, and other distinctive cultures.

Law of the Republic of Indonesia No. 10 of 2009 concerning tourism article 1 paragraph 5 says that: "A tourist attraction is something that has uniqueness, beauty, and value in the form of a diversity of natural wealth, culture, and man-made products that are the target or purpose of the visit".

The definition of an Information System according to Jespersonson Hu totahaeen (2018: 13) is, "A system in an organization that brings together the needs of managing daily transactions, supporting operations, managerial nature, and strategic activities of an organization and

providing certain outsiders with the reports needed".

According to Martin et al (2016: 18), Information Systems is a component that is interconnected with the process of creating and conveying information in a company, which processes input in the form of data sources, then processed with hardware, software, and brainware components and produces information as output.

The definition of a blog Blog is a website in the form of online media that contains content in the form of articles, videos, and photos managed by a blogger or several authors at once. A blog is a type of website developed and managed by individuals using online software or a very user-friendly hosted platform, with room to write.

Blog structure in general Blogs usually have a fairly diverse appearance and order structure. Header: The top of the blog that contains the blog title, description, and menu. On his blog, he does like word games and doesn't expect the blog terms he created to have such a big impact. Still in the same year, blog platforms began to appear, namely Live Journal, Blogger, and also Xanga. Not only for creating blogs, but WodPrecaalso WordPress creates websites and online stores.

METHOD

Time and Place of Research This research is carried out directly in Tomohon City, the data collection time is carried out on June 18-30, 2022, and continued with data analysis from the Tomohon City Tourism Office, this research is also supported by literature research that aims to collect data or information with literature studies, for example: journal examples, books, notes, documents, websites, and other references relating to this title and tourism.

Data Retrieval Technique The data collection technique is a way for researchers to uncover or capture geographic information according to the scope of research on mass media content analysis This technique is in the form of data collection by analyzing the contents of mass media.

FINDINGS AND DISCUSSIONS

Overview of Tomohon City

Tomohon is located at 1015' N and 1240 50' BT with an area of 147.2178 km² or 14,721.78 Ha. Tomohon consists of 5 (five) sub-districts and 35 sub-districts/villages.

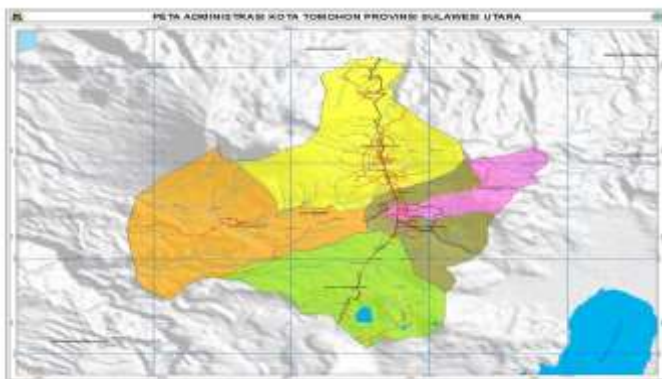


Geographically, Tomohon City is surrounded by the Minahasa Regency. That is, from the northern, southern, eastern, and western parts, it is directly adjacent to Minahasa Regency. In general, Tomohon City is located on the main circulation route that connects Manado City as the provincial capital and other cities in the Minahasa Regency area. The distance between Tomohon City and several other cities in North Sulawesi is:

- Tomohon – Bitung is ± 55.0 kilometers away
- Tomohon – Manado is ± 22.0 kilometers away
- Tomohon – Tondano is ± 15.0 kilometers away

Tomohon can be reached directly from Manado City and achievements from Bitung to Tomohon can be through Tondano City or across Manado. Accessibility to other cities in North Sulawesi Province is quite smooth, through good quality roads

Figure 1 Tomohon City Wilayan Map, 2022



Source: Google, 2022.

Tomohon Tourism Object Map

Figure 2 Featured Attractions Map



Source: Tomohon City Tourism Office, 2022

As a reference, the author uses tomohon city tourism provided by the Tomohon tourism office to be the basis for making a tourist attraction Information System to make a *web blog* tour of Minahasa Highland Tour Tomoho Highlanda on the list of tourist destinations in 2020 made by the tomohon tourism office) there are 96 tourist attractions divided into 3, namely:

1. Cultural Tourism
2. Nature Tourism
3. Artificial Tourism

In addition, tourist attractions are divided into several areas in Tomohon City, namely: North Tomohon, South Tomohon, West Tomohon, East Tomohon, and Central Tomohon.

Table 1 Table of Number of Tomohon Attractions, 2022

LOCATION	FEATURED TOURS	TOURISM POTENTIAL	TOTAL
North Thomson	14	19	33
Tomohon West	8	3	11
East Tomohon	5	7	11
South Tomohon	17	7	24
Tomohon Central	8	8	16
Total			96

Source: Tomohon City Tourism Office, 2022

Tomohon tourist attractions are also divided into cultural tourism, natural tourism, and artificial tourism

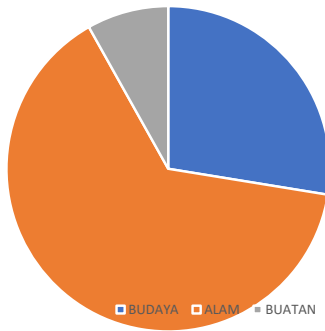
Table 2 Table of Number of Cultural, Natural & Artificial Attractions

CULTURAL TOURISM	NATURE TOURISM	ARTIFICIAL TOURISM	TOTAL
27	63	8	96

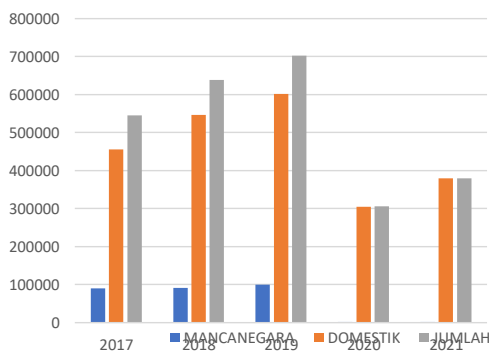
Source: Tomohon City Tourism Office, 2022

Based on table 5 listed above, tourist attractions are identified into 3 types of classification of tourist attractions and are depicted on chart number 1, where cultural attractions are 27, natural attractions are 63 and artificial attractions are 8 with a total of 96 tourist attractions.

Grafik 1. Jumlah Objek Wisata Budaya, Alam & Buatan



Grafik 2. Jumlah Wisatawan Tomohon



Tomohon Tourist and Attraction Data for 2017-2021

Table 3 Tomohon Tourist Visit Data, 2022

YEAR	TOURIST		SUM
	FOREIGN	NUSANTARA	
2017	89.736	455.679	545.415
2018	90.907	546.824	637.731
2019	99.997	601.506	701.503
2020	630	304,924	305,554
2021	4	378,793	378,797

Source: Tomohon City Tourism Office, 2022

Based on table 6 which is listed above the visitors of to Tomohon City tourist attractions in 2017 reached 545,415, visitors in 2018 reached 637,731, visitors in 2019 reached 701,503, visitors in 2020 reached 305,554 and visitors in 2021 reached 378,797.

With the existence of a web blog created on blogger.com containing 10 tomohon tourist attractions, it is hoped that it will make it easier for people to determine trips to travel in the tomohon area which has more than 90 natural, cultural, and artificial attractions. The blog content created includes 10 superior tourist attractions that are still operating well and relatively close to the city center of Tomohon and a Google Maps link to allow readers to find location points to be able to reach the most important attractions. This blog can be accessed with electronic devices such as (mobile phones and laptops) that have an internet network.

How to Create a Blog Using Blogger.Com

1. The first thing to do to create a blog on Blogger is to create an account. Create a google account and log in to google. A Google Account is required to access all the amenities in Blogger. After that, log in with a Google account, to be able to start creating a blog on Blogger.
2. Open [Blogger](https://www.blogger.com) in a browser, then click 'Create Your Blog' to get started. Sign in to the Google account you selected.



3. Then you will be asked to complete the Blog List. Write the blog title in the 'Title' column then fill in the website address. For the website address, specify an address name that has never been taken by other users on Blogger. If the website address has already been used, it will be asked to change to another address name.

Usefulness dan Content Web Blog





4. Once all is done, click on 'Create Blog'. The blog has been successfully created and will be directly directed to the Blogger dashboard display as follows.



5. Every blog needs a post/content to fill the blog, to get started, click the button that says 'New Post'. Later it will be directed to make the first post on the blog that will be filled in.



6. Later, you can create the content you want to create on the create a new post page. There are settings for font type, text style, size, color, layout, and more to organize the text/content created. Images and videos can also be included in the blog



7. After that, it will be directed to the page editor page. Fill in the page title in the 'Page' column then write the information you want to convey on the page. Once done, click 'Publish' and the page has been successfully created. To delete or edit an existing page, you can select the option on the edit page menu.



8.

10 Superior Attractions To Be Used As A Web Blog

1. Lake now



Lake now is a volcanic lake that has a very stunning natural beauty in addition to being able to see the beauty of

the lake there we can also see the view of Mount Lokon. With an entry price of 35,000 you will get a voucher that can be exchanged for coffee or hot.

Location : Kelurahan Lahendong Tomohon Selatan
Coordinate Point: 1°16'53" N 124°49'36"E
Owner Name: Tomohon City Government
Description: Featured Tourist Destinations
Distance from the city center: 8 KM (22 minutes).

2. Leilem Village Hot Springs



Leila hot spring is a new natural tourist spot located in Lahendong which has a natural hot spring lake, besides it has some very beautiful photo spots.

Location : Kelurahan Lahendong Tomohon Selatan
Coordinate Point: 1°28'54" N 124°82'42"E
Owner Name: City Government Tomohon
Description: Featured Tourist Destinations
Distance from city center: 5 KM (12 minutes).

3. Tuur Measuring



Tu'ue measuring You're natural attraction that goes down the path and is a bit uphill, with a view of large palm trees as neatly arranged on the left and right of the road. Arriving at the main courtyard there are many wooden huts and chairs where tourists rest. P Pondok and all facilities are made of wood and bamboo of various shapes. With an entrance ticket for 15,000, it can later be exchanged for local Minahasa drinks, namely Sag Sagerat stamp liquor.

Location : Kelurahan Kumelembuay Tomohon Timur
Coordinate Point: 1°22'07" N 124°52'57"E
Owner Name: Jeffri H Polii (private/individprivateription: Featured Tourist Destinations
Distance from city center: 8.3the KM (20 minutes)

4. Mahawu Prayer Hill



This natural tourist attraction which is also a religious tourist attraction is famous in North Sulawesi. This hill is indeed right under the foot of Mahawu Mountain and looks so beautifully typical of the mountainous atmosphere. Not only that, you can take pictures of the atmosphere around tourist attractions that are known to make many visitors feel more at home. With an entry price of 15,000, you can get a voucher that can be exchanged for a glass or hot coffee.

Location : Kelurahan Kakaskasen II Tomohon Utara
Coordinate Point: 1°20'50" N 124°50'47"E
Owner Name: Kel.Korompis Wewengkang
Description: Featured Tourist Destinations
Distance from the city center: 5.1 KM (13 minutes)

5. Narwastu hills



Narwastu Hill is one of the best spots to enjoy the city of Tomohon from a height. Here we can see the city of Tomohon with the background of the logon mountain that stands behind it. Talking about the facilities available are quite complete. Starting from a variety of photo spots, outdoor cafes, inns, and meeting rooms, to wedding venues. You can relax in the café while ordering a variety of food and drink menus. The outdoor café has a green grass floor and overlooks the enchanting local mountain. The decoration of the light bulb that is installed in a hung manner will give a romantic impression when night is approaching. With an entrance ticket price of 30,000, you will get a voucher that can be exchanged for a glass of coffee or the hot and mineral water

Location : Kelurahan Tamani Tomohon Selatan
 Coordinate Point: 1°18'08" N 124°50'48"E
 Owner Name: Mr. Hendry (private/individual)
 Description: Featured Tourist Destinations
 Distance from the city center: 3.5 KM (9 minutes)

6. Kaisanti Garden



Enjoy the scenery with a breeze As long as your eyes look will be presented with a charming green shade. You can sit back and relax enjoying the scenery. With the facilities provided, it is also fairly adequate. So for those of you who want to linger for a long time, you will be reluctant to go home. Important facilities such as toilets and parking lots can be said to be adequate. You can also find a café to hold your stomach after doing fun relaxing activities. With 35,000 herga in you can receive what can be exchanged for drinks in the form of coffee, lemon tea, or tea

Location : Kelurahan Woloan Dua Tomohon Barat
 Coordinate Point: 1°22'46" N 124°50'10"E
 Owner Name: Aleksander July Chang (private/individual)
 Description: Featured Tourist Destinations
 Distance from city center: 5,8 KM (18 minutes)

7. Rurukan Tourism Village



Sunrise in Rurukan Village is indeed the champion, you can get up early by being greeted by blooming flowers and vegetable plantations made in a terraced manner. As far as the eye can see, only flowers and vegetables like colorful rugs are soothing to the eye. As is known that the city of Tomohon is the main producer of flowers in North Sulawesi.

From Temboan Hill but make sure you come before dawn because the main treat there is the appearance of the sun from behind the charming hill. From this hill, it is visible lake Tondano, Mount Klabat, and Lembeh Strait. Thebergry drained can be replenished on this hill. Around Temboan Hill, there are also strawberry plantations and rabbit farms.

Location : Kelurahan Rurukan Tomohon Timur
 Coordinate Point: 1°22'46" N 124°50'10"E

Owner Name: Individual and city government
Description: Featured Tourist Destinations
Distance from city center: 4,6 KM (12 minutes)

8. Gardenia Country Inn



Gardenia country inn is an inn that has a nature theme and a very stunning mountain view, has been running since 2011, and it has satisfying facilities such as bathtubs, Indonesian bathtubs, European cuisine. European interiors have a hiking trail. With a price of 1-2 million per night, this can be a place to rest after your travel.

Location: Kelurahan Kakaskasen II Tomohon Selatan
Coordinate Point: 1°20'53" N 124°50'10"E
Owner Name: Dr. Ratulangi (Individual / Private)
Description: Featured Tourist Destinations
Distance from city center : 3 KM (10 minutes)

9. Alfa Omega Tower



Alfa Omega Tower was created in 2017 and completed construction in early February 2018 and inaugurated by

Tomohon Mayor Jimmy Feidie Eman. Alfa Omega tower is a religious-based tourist attraction (GMIM) that has a beautiful flower garden and is located in the center of Tomohon city.

Location: Central Tomohon Paslaten Village
Coordinate Point: 1°19'35" N 124°50'42"E
Owner Name: Tomohon City Government
Description: Featured Tourist Destinations
Distance from city center : 0 KM (located in the city center)

10. Taman Wisata Alam



This natural tourist park opened new in 2020. Various game rides are presented in this beautiful urban forest park. This place is suitable to be visited with family, friends, and loved ones. Having the concept of sustainable tourism development makes this tourist attraction fresh other than it has been. It is open daily from 10 am to 10 pm with an entrance fee of 5,000 and exciting rides will be open from 12 noon to 5 pm and each ride has a price of only 15,000

Location : Kelurahan Talete II Tomohon Tengah
Coordinate Point: 1°20'01" N 124°51'04"E
Owner Name: Tomohon City Government
Description: Featured Tourist Destinations
Distance From City Center: 1.8 KM (6 minutes)

Results From Web Blog

From the results above, a blog with the title "10 Tomohon tourist attractions that you must visit" this web blog can be accessed via the link and barcode listed below.





<https://tazulkifypolimdo.blogspot.com/>

Barcode :



CONCLUSIONS

Based on the results and discussion, the author draws the following conclusions; By creating a web-based information system this *blog* produced 10 Tomohon Superior Tourist Attractions. In this digital era, it is hoped that the Tomohon City tourism office will:) Update tourist attraction data for the benefit of the tourism industry by informing in detail regarding the location of the object, distance, and owner name, to accelerate information from Travel, practitioners, and prospective tourists. 2) It is expected that the creation of a blog-based information system is followed up by the Tourism Office to make Tomohon City a Smart City of Tourism. 3) There is continuing research on Web Log-Based Information Systems.

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