Application Design The Data Collection Features Of The Hotel Shades Of Rantauprapat Using VBNET

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\textbf{Abstract.}

Hotel reservation is an activity where a customer comes to the hotel to book a room and stay in a room that has been booked. Orders are made by customers, at the hotel Shades Rantaupapat the process of collecting the customers who will stay is still done manually. So that customers have to come to the hotel to make reservations directly. This reservation information system is an application that can help speed up registration or registration when at the reception. Cancellation can also be directly managed by the admin or receptionist. So as to provide other convenience in making reservations. In making this information system using a system development method in the form of a waterfall. At the time of making the programs using Visual Basic NET 2010. For databases that are used to create databases using SQL Server 2008. The application of this information system can help employees to record customers who stay overnight and manage information needs needed to support the hotel business.

\textbf{Keywords:} Hotels, Information Systems, Microsoft Visual Basic NET 2010.

\section{I. INTRODUCTION}

Administrative data collection in the field require the precision of the mechanism and the arrangement is organized so that it can be packed and gated with a well, as the rapid technology and ease-the ease offered in it, in the processing of data-data that is first processed in a conventional is converted into a pattern komputersisasi that input process easier and search the data that has been stored in the database. The Database was created with the aim that the work process is optimal and can be done quickly and accurately with an error rate of the bit. In the type bc series data, the hotel must necessarily have a system of data processing that is well and regularly, that will be useful for the smooth storage of the data and can provide security to the data.

The design has 2 purposes, namely to meet the needs of the users of the system and to provide a clear picture pemogram computer and other technical experts involved. [1] In terms of understanding the application is a program that is ready to use created to implement a function for the user application services and the use of other applications that can be used by a target that will be addressed. According to the dictionary of computer executive, an have a sense of problem-solving using one of the techniques of data processing applications that usually raced on a komputansi desired or expected and processing the data that is expected.
“System is a combination of a bunch of good components that the human and/or non-human (non-human) that support each other and arranged into a unified whole to achieve a goal, a common goal or end result” [2]. Understanding and definition of the system in a variety of fields vary, but although the term system is used vary, all systems in these fields have some common requirements, the system must have elements, environment, interaction elements, the interaction between the elements of the environment, and the most important thing is the system must have a goal to be achieved.

Hotel Shades of Rantauprapat is belongs to mr. Koestama Kusbuana at once it was he who inaugurated the Hotel Nuansa Rantau prapat on tanngal 5 April 2004 and the architecture of the Hotel Shades of Rantauprapat is the father of Apiaw, which comes from the Jakarta,Hotel Rantauprapat today in the leadership of mr. Arifin, R.Tampubolon one of the hotels comfortable and clean, the place is located right fitting on the highway town of Rantauprapat, in terms of Hotel services Shades have workers that are friendly and dressed decently, Hotel Nuansa also has a courtyard of the yan quite spacious and clean from garbage. In the Hotel Shades of Rantauprapat also available a Coffee shop with a menu of varied food and of course affordable by all people. And at the moment in the Hotel Shades of Rantauprapat there is a building that is still in the stage of manufacture, namely a swimming pool which built his swimming pool is at the hotel this will increase the advantages and the necessary of the customers Hotel Shades of Rantauprapat

II. MATERIALS

1. The History Of The Hotel
The Hotel comes from the word hostel, supposedly taken from old French. Public buildings has been touted since the end of the 17th century. Its meaning roughly, “a shelter for migrants” or also “building a provider of lodging and food to the public”. So, at first the hotel was created to serve the community. Not strange that in England and America, whose name the hotel employees was similar to public servants aka public servant. But, as the times and increasing service users, service inpatient-eating is starting to leave its social mission. Guests were free. While the building and rooms are being laid out in such a way as to make guests feel at home.

2. Understanding Guests
The word guest in the Great Dictionary of Indonesian Language can mean the people who come to visit the place of another person or people who came to the banquet. Understanding the property according to the Wursanto “a Guest is a guest of the organization, agency, institution, or company, that person, whether as an official envoy of an institution or as personal, a visit to another institution for the benefit of the official or for personal interests. According to Soemarto and Dwiantara, the property of the organization or company can be a person or a group of people to bring one or a few interests, both the interests of herself as a person, as well as the interests of others, including the interests of a specific organization because they are the messengers of the organization.

3. Understanding Hotel
This is a company managed by its owners by providing food service, beverage and facilities for sleeping to people who travel and can afford to pay with a reasonable amount in accordance with the services received tampa the absence of a special

http://ijstm.inarah.co.id
agreement[3]. Definition of hotel according to the DECREE of the Minister of Tourism, Post and Telecommunication No. KM 37/PW. 340/MPPT-86, is "A type of accommodation that uses partial or entire building to provide lodging services, food and beverage, as well as supporting services for the public which is managed commercially.

III. METHODS
Hospitality is a business unit engaged in the hire rooms or the inn. The business process that is going on is starting from the consumers who come then to the reservation table to do the check-in process. Furthermore, the officer working will check the availability of rooms that exist, according to the request of guests, if rooms are available then the consumer will fill out the list of attending guests. At this stage of analysis are the identification of problems in data collection on the property where the existing system at the Hotel Shades of Rantauprapat overall not computerized, especially on the system of data collection, after get the problems facing the expected application design data collection property that will be created could be the solution for the Hotel Shades of Rantauprapat.

IV. RESULT AND DISCUSSION
In this design stage, the authors will design how to Design an Application data Collection features of the Hotel Shades that will be built can run well in the stage of implementation, the first design that will be made, namely the workflow system Application of the data Collection features of the Hotel or make draft modeling flowchart the system, then will make the design of the display interface or the appearance of the user interface or the user.

On the login Page is a form the username and password must be filled if you want to continue to the main page and there are tools login to sign in or log in, delete to delete and cancel to not proceed to the next page. The appearance of the login page can be seen in figure 1. below:

![Fig 1. The Login Page](http://ijstm.inarah.co.id)
On the main Menu Page there are some other menu that the menu input the registration data that is for the guests who come to stay then there are the reports menu and tool out. Display the menu main page can be seen in figure 2 below.

![Fig 2. The Main Menu](image)

On the Pages of input data the registration of the hotel Shades of there are some form which should be filled by the admin of the data from the hotel guests will stay or rent a room and on this page there are some tools that can be used is tool save to save the data that has been entered, then the tool edit to edit the data features of the hotel tang is already there, then tool remove for remove and tool back to back to the main page. The appearance of the page input the registration data can be seen in figure 3 below.

![Fig 3. Input Registration Data](image)

or was that already check out ,on the menu page of this report there is also the button of the print, namely to print reports data features of the hotel. The display of the menu page of the report contained in figure 4 below.

![Fig 4. The Menu Page Of The Report](image)
On the menu page of the print data base this contains the out put of the application program of the data collection features of the hotel Shades and on the menu page of the print data base of the hotel there is a search field that if we want to search for data recap visitors to printed. Display menu page print report looks like figure 5 below.

![Print Data In Hotel](image)

**V. CONCLUSION**

Overall in making the application of the data collection features of the hotel Shades of Rantauprapat this author take some of the conclusions that:

a. With the application of the data collection features of the hotel Shades of Rantauprapat is to improve the performance of the Hotel Shades of Rantauprapat in the data collection features of the hotel.

b. With the application of the data collection features of the hotel Shades of Rantauprapat this can help the admin of the hotel in data collection recap of visitor data from a manual by switching to a system that has been computerized.

c. Simplify the creation of data reports recap the visitor and transaction data of the hotel guests come

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REFERENCE

[1] Andi Juansyah, 2015, “Pembangunan aplikasi child tracker berbasis assisted-global Positioning system (A-GPS) Dengan platform android”. Jurnal Ilmiah Komputer dan Informatika 1 Edisi. 1 Volume. 1.

[2] Ir.Zefriyenni, MM. Budi Santoso, 2015, “Sistem Informasi penjualan dan pengendalian persediaan barang menggunakan metode ekonomic order quality menggunakan bahasa pemrograman java dan database Mysql pada toko kansa elpĳ”. Jurnal Komtekinfo, Volume 2, No. 2 2015

[3] Robby Yuli Endra, 2016, “Analisis Dan Perancangan Sistem Informasi Front Office Pada Wisma Chandra Dengan Menggunakan Bahasa Pemrograman Ms. Visual Basic 6.0”. Jurnal Sistem Informasi dan Telematika, Vol 3, No. 3.

[4] Ari Prabowo , Endang Retnoningsih, 2017, “Sistem Informasi Reservasi Kamar Hotel Pada Hotel Posters MICE”. Jurnal Mahasiswa Bina Insani, Vol. 1, No. 2

[5] Nani Purwati, Noor Hasan, 2016, “Perancangan Sistem Informasi Administrasi Tamu Hotel (Studi Kasus Pada Hotel Ganesha Purworejo)”. Journal Speed – Sentra Penelitian Engineering dan Edukasi – Volume 8 No 1 - 2016

[6] Hanik Mujai, Sukadi, 2014, “Analisis dan perancangan sistem informasi stok obat pada apotik Arjowinangun”. Jurnal Bianglala Informatika Vol 4 No 1.

[7] Eka Iswandy, 2015, “Sistem penunjang keputusan untuk menentukan penerimaan dana santunan sosial anak nagari dan penyalurannya bagi mahasiswa dan pelajar kurang mampu de kenagarian barang-barang Balantai Timur”. Jurnal TEKNOIF Vol. 3 No. 2

[8] Farid Hamzah Habibie, et all. 2014, “Pembangunan sistem informasi penerimaan calon tenaga kerja secara online berbasis Web pada bursa kerja khusus SMK Ganesha Tama Boyolali”. Jurnal Teknologi Informasi dan Komunikasi, Volume 5 Nomor 2

[9] Simson Pandapotan, et all, 2012, “Aplikasi Pengelolaan Jasa dan Beban Notaris & PPAT (Studı Kasus: Kantor Notaris & PPAT Nurhayati Samperura, S.H., Sp.N.)”. Jurnal Teknologi Informasi Politeknik Telkom Vol. 1, No. 4

[10] Hendrianto, D.E. 2014,“Pembuatan Sistem Informasi Perpustakaan Berbasis Website Pada Sekolah Menegah Pertama Negeri 1 Donorojo Kabupaten Pacitan”. Indonesian Journal on Networking and Security - Volume 3 No 4

[11] Aprianis,ira, et all, 2016“Sistem Informasi Manajemen Pada Hotel Gran Nikita Prabumulih”. Sistem Informasi Manajemen Pada Hotel Gran Nikita Prabumulih.

[12] http://www.ensikloblogia.com/2016/11/pengertian-tamu-dan-jenis-jenis-tamu.html