APPLICATION OF *E-COMMERCE* SALES WEB TEMPLATE IN HOSTING GOKIL COMPANY

Iyan Wardiana

Department of Informatics, Faculty of Engineering and Computer Science University Computer Indonesia
Jl. Dipati Ukur No. 112-116 Bandung
E-mail : wardiana.iyan2@gmail.com

ABSTRAK

Hosting Gokil Company is a company engaged in the IT field, where the company sells Gokil Hosting hosting, domain, IP-Dedicated and SSL (Secure Socket Layer) to a website. All sales can be conducted through the website hostinggokil.com which has been built for the purpose of sale of all transactions and how the company's business profile is hosting gokil. gokil hosting companies want the existence of a new breakthrough in developing a business to increase sales of products associated with the company's business profile in the IT field. The business is selling products in the form of web templates. problems were encountered that is about the scope of the plan to sell web templates. Where the sale of such web template if the proposed sale of web templates manually by selling web templates are using a CD (Compact Disc) somewhere, so many obstacles that will happen is a matter of which place must be strategic as well as how to reach customers that are hosting companies gokil far from the company and less a matter of time oftimal in selling web templates.

Applications of e-commerce Sales web templates in hosting gokil company built to overcome the existing problems in the company's sales to hosting gokil web templates with modeling software used is structured method. The system is web-based, with data security and networking applications is assured, as well as automatic payment process using a third party that is a paypal account and transfer.

Applications built e-commerce is expected to facilitate the sale of such products and promote the web templates and can also assist in disseminating the marketing and sale of web templates.
Keywords: Hosting, Online, Paypal, website, internet, e-commerce

1. INTRODUCTION

I.1 Background

Gokil Hosting Company is a company engaged in the IT field, where the company sells Gokil Hosting *hosting, domain, IP-Dedicated* and *SSL (Secure Socket Layer)* to a website. All sales can be conducted through the website hostinggokil.com which has been built for the purpose of sale of all transactions and how the company's business profile is hosting gokil.

Interviews conducted with owners gokil hosting company can be said that the hosting company gokil want the existence of a new breakthrough in developing a business to increase sales of products associated with the company's business profile in the IT field. The business is selling products in the form of web templates. Sales web templates are expected to be additional revenue for the company's media for companies to grow bigger hostinggokil and known.

The constraints that arise on the sale of web templates, which are about the scope of the plan to sell web templates. Where the sale of such web template if the proposed sale of web templates manually by selling web templates are using *a CD (Compact Disc) somewhere*, so many obstacles that will occur among the issues that must be strategically place in sales while the company's web templates no plans to establish a branch company. Issue appears also how customers can reach gokil hosting companies that are far away from the company. The problem of time is also an obstacle, because sales of web templates CD media limited time.

The problem that occurs in gokil hosting company needed a system that can handle all the problems existing web template sales in gokil hosting company, this problem can be solved by building an online trading system or better known as *e-commerce (electronic commerce).* With hardware like computers and internet are available at the company as a supporter Gokil Hosting, then the possibility to build an application such as online trading system or e-commerce is seen to support the business activities of trading and can be used as a marketing tool and promotional media to offer a product form web templates to customers or consumers who can buy the product without having to come directly to the company Gokil Hosting with e-commerce because consumers can make purchases anytime, anywhere.

Based on the background that has been previously described above, on this occasion I as students submit research to the company UNIKOM Hosting Gokil. Where to retrieve new e-commerce in completing this undergraduate thesis titled "Application of E-Commerce Sales Templates Web In Hosting Gokil Companies ".

I.2 Objective

The purpose of this study are as follows:

1. Facilitate the hosting company Gokil in selling products to existing customers anywhere and to process the sales transaction data, and make reports of sales transactions.
2. Simplify the transaction process easier and more flexible in terms of time and place.
3. Introducing the latest products and information related to the business profile through the application of sales in the company's web templates Hosting Gokil to be constructed

I.3 Limitation Problem

In building applications E-commerce sales and reservations, the authors limited the problem as follows:

1. The system will be built is a system of selling goods online transaction-oriented B2C (Business to Consumer)..
2. E-commerce sites are displaying and promoting products in the form of templates in the form of pictures and price list.
3. Features that will be displayed on e-commerce applications are: to provide the latest templates complete with discount, sale terlaku template, the template of the most widely viewed, a history of ordering the template, the template and any reservations Zoom image template to clarify the template that will be sold
4. Buyer or prospective buyer is the customer's product that has been registered through register first.
5. Communication system using the communication facilities are often used as:
   a. Using the email registered users
   b. Using Instant Messaging (Facebook, Yahoo messenger),
   c. Using the Telephone
6. Types of payment can be done by:
   a. *Online,* using *paypal,* by providing an online payment facility using facility Payment Gateway, Payment is made will directly update the data automatically booking, so confirmation is not required, because the confirmation will be made between the payment gateway and e-commerce sites, the IPN *(Instant Payment Notification .)*
   b. *Offline,* done by providing a variety of Bank Accounts (Transfer, Cash)
7. Purchase of finished product, will be sent after the payment process has been successful. Delivery of products is done through email with the way in download by the buyer by providing a link to download the template that has been paid.
8. Product type template has two types of unique type and regular type
   a. Unique type is a template type that can only be booked and purchased a one-time only and has a stock of one template. If already booked, then the template will automatically be deleted.
   b. Regular type is the type of template that has the stock ordering and purchase of five fruit. If after the stock runs out, then the template will be deleted.
9. To support the security system uses *SSL (Secure Sockets Layer), IP-Dedicated,* and every prospective buyer must have a *username* and *login* to access and make a purchase or ordering products.

10. Making Reports (Reporting) / Statistics sales and reservation template is:
    a. The report will be made of Sales Reports.
    b. Laporan-laporan tersebut akan disusun dalam laporan bulanan, dan tahunan atau periodik berdasarkan waktu tertentuThe reports are organized into monthly reports, and annual or periodically based on a specific time
11. Modelling for the application of e-commerce sales this web template is to use a structured model, while the tools to memodelkannya using Data Flow Diagrams (DFD) and Entity Relationship Diagram (ERD).
12. E-commerce site has a Backup Database for data security.
13. The existence of SEO features for this site can be listed on Search Engines that can facilitate the search of this site.
14. The main target customer sales for the current template is the Indonesian community due to features in the Indonesian-language applications.
15. Terms of use template that has been downloaded which is a template that has been downloaded can only be used one domain only. Where is the domain address has been sent by the customer prior to the application. This means that the domain has been registered address who can use the template.
16. Software that is used in building E-commerce sites using Macromedia Dreamwaver 8 and to the DBMS for e-commerce applications to be built using MySQL.

II. MODELS, ANALYSIS, DESIGN AND IMPLEMENTATION

II.1 Model Application Development

This application development using *the waterfall model.* The model is done in a systematic and sequential approach starting from defining requirements, system design and software, implementation and unit testing, *integration and system testing,* to operation and maintenance. This model is a sequential model where the development process goes through several stages in the sequence, step by step through which must wait for completion of the previous stage and walk sequence.

These stages *of waterfall* model can be seen in the image below:

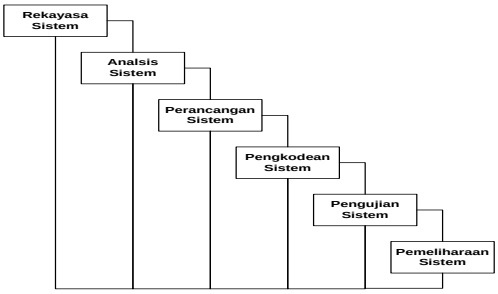


Figure II.1 *Waterfall* Model

II.2 Analysis and Modelling System

II.2.1 Context Diagram

The system built largely described using context diagram. From this diagram can be seen generally in the flow process handled by the system.

.

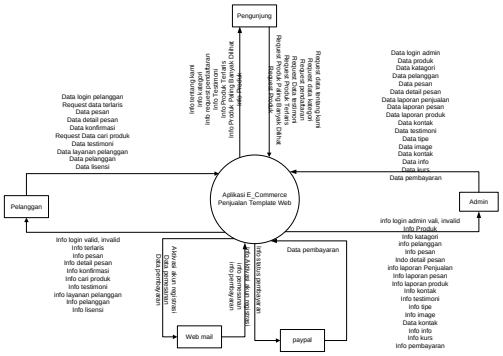


Figure II.2 Context Diagram E_Commerce Sales Templates Web Applications

II.2.2 Data Flow Diagram (DFD)

From the context of the above diagram, the flow of data available on siatem described in more detail using the *Data Flow Diagram.*

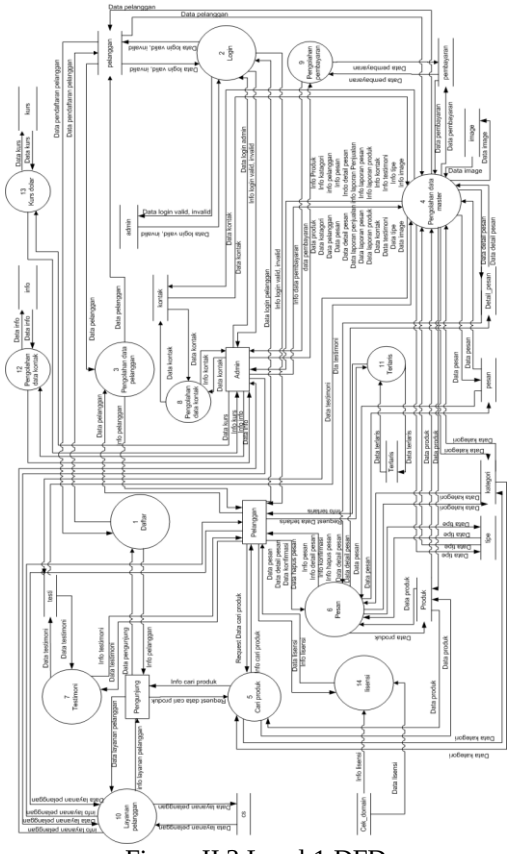


Figure II.3 Level 1 DFD

II.2.3 *Entity Relational Diagram*

ERD is used to systematically describe the various entities and components of the present system of data and relationships between each entity. To see the connectedness between the existing entities will be described as berkut:

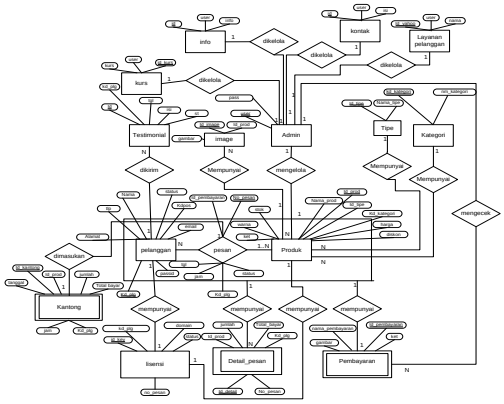


Figure II.3 ERD Applications Of E-Commerce Sales Web Templates

II.2.4 Table Relations

Relationship diagrams are used to determine the tables relate to each other to determine the data to be searched, for more details can be viewed as the image below:

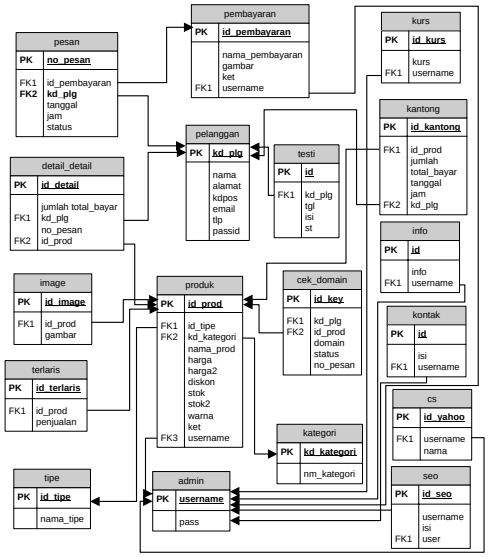


Figure II.4. Table Relation Aplikai E-commerce sales in the company's Web Templates Hosting Gokil

II.3 Design and Implementation

II.3.1 Hardware Implementation

Hardware specifications used in application development E-Commerce sales in the company hosting web templates gokil are listed in Table II.1

Table II.1 Hardware Implementation

Perangkat	Spesifikasi
Processor	Kecepatan 1.73 GHz
RAM	1 GHz
Harddisk	120 Gb
Monitor	Resolusi 1280 x 800
VGA	128 Mb
CD ROM Drive	52x
Keyboard	*Standard* PS2
Mouse	*optic*

II.3.2 Software Implementation

Software specifications used in application development E-Commerce sales in the company hosting web templates gokil are listed in Table II.2

Tabel II.1 Software Implementation

Perangkat Lunak	Keterangan
Sistem Operasi	Windows XP
Bahasa Pemrograman	PHP
DBMS	MySQL 5.0.18
Web browser	Microsoft Internet Explorer, Mozilla, Opera,Google Chrome
Code editor	Adobe Dreamweaver CS4
DFD modeler	Microsoft Visio 2007

III. RESULTS AND DISCUSSION

III.1 Alpha Testing

Alpha test scenarios to explain the scenario *of e-commerce* application testing sales at the company's web templates hostinggokil using *black box* testing method. The conclusions of the alpha test is an application development E-Commerce sales in the company's web templates free hostinggokil writing errors and functionally release the results as expected..

III.2 Testing Betha

Beta testing is done by testing on the spot research. Penelitian ini dilakukan di dua lingkungan : This research was conducted in two environments:

1. Hostinggokil corporate officers

Research on the environmental officer hostinggokil done so the company can find out how far a system built to be an alternative settlement issues that have been described earlier.

2. Environmental Public

Research in the environment in the general population especially those already familiar with internet technologies, conducted in order to find out how far a system built to provide public conveniences to make purchases.

Conclusions from testing betha are:

1. Applications E-Commerce sales in the company's web templates hostinggokil enable customers to obtain information on goods available
2. Consumers can make purchases at the company hostinggokil more easily.
3. Proses pembayaran yang digunakan cukup mudah digunakan bagi para pelanggan. Payment process that is used quite easy to use for our customers.
4. This application can also expand the market for the company hostinggokil for being not geographically limited.

IV. CONCLUSIONS AND SUGGESTIONS

IV.1 Conclusions

Based on the comparison between the objectives of software development to be built with the test results both alpha and beta will be concluded as follows:

1. E-commerce sites can promote the product in the form of templates contained in the *online* Gokil Hosting
2. With the construction of E-commerce sites can make the process easier and more flexible transaction in terms of time and place.
3. E-commerce sites can introduce the latest products and information related to the business profile.

IV.2 Suggestions

Apart from these advantages, a software must have the shortcomings that are still to be developed again in the future. As for the suggestions in the development of e-commerce sales this web template are as follows:

1. It needs a development that further expansion of sales territories to increase sales
2. It is necessary to increase the development of cooperation with a number of other banks.

V. REFERENCES

[1]Abdul Kadir. (2008), Dasar Pemrograan Web Dinamis Menggunakan PHP, Andi Offset.

[2]Al Bahra Bin Ladjamudin. (2005), *Analisis dan desain sistem informasi.*

[3]Allin Foral, kelebihan dan keuntungan *paypal,* http://allinforall.wordpress.com/2010/05/2

4/kelebihan-dan-keuntungan-paypal/ Minggu. 17 Oktober 2010. 15:34
[4] Brian Viloso, Trend Terbaru Pengembangan Software, http://boombanks.wordpress.com/news/trend-terbaru-pengembangan-software-software-development-life-cycle/ Sabtu 18 September 2010 13:53
[5] Fitra Adi Purnomo, http://theitpower.blogspot.com/2009/11/flowmap-dan-data-flow-diagram.html Selasa 30 November 2010 10:33
[6] Graha ilmu http://mugi.or.id/blogs/yandi_tubagus/default.aspx
[7] Ida Ayu Y, Primashanti, http://iaprima.staff.gunadarma.ac.id/Downloads/files/5440/D3_3b_Analisis_Sistem.pdf minggu 17 Oktober 2010. 15:34
[8] Krida Prasetia (2008), Pengertian Basis data. http://krida85.wordpress.com/2008/04/16/pengertian-basis-data/ minggu 17 Oktober 2010. 15:34
[9] Moh Badrullami, Membuat CSS manual, http://student.eepisits.edu/~cyberfear/download/Tugas/Manual%20Book%20CSS.pdf Sabtu 18 September 2010 13:53
[10] Prof. Dr. Sugiyono. (2009), Metode Penelitian kuantitatif kulaitatif dan R&D ,ALFABETA. Sabtu 18 September 2010 13:53
[11] Raden Somad, Webserver, http://radensomad.com/pengertian-web-server-hosting-domain-name-server-dns-dan-domain.html minggu 17 Oktober 2010. 15:34
[12] Ria Hantoro, (18 September 2010), Web Design with Macromedia Dreamwever,http://www.rhantoro.net/files/I%2020Web%20Design%20with%20Dreamweaver.pdf Sabtu 18 September 2010 16:03
[13] Ruben Nurdiasmanto, Paypal, http://rumahuang.blogspot.com/2008/07/pengrtian-paypal.html minggu 17 Oktober 2010. 13:33
[14] Uninet. SSL, http://www.uninet.net.id/ums2007/SSL/tabid/461/Default.aspx minggu 17 Oktober 2010. 15:34
[15] kelompok hostinggokil.com (2009), Monitoring Program Mahasiswa Kewirausahaan. Sabtu 18 September 2010 13:53
[16] Wikipedia, Browser, http://id.wikipedia.org/wiki/SQL minggu 17 Oktober 2010. 15:34
[17] Wikipedia. Data, http://id.wikipedia.org/wiki/Data minggu 17 Oktober 2010. 15:34
[18] Wikipedia. Sistem, http://id.wikipedia.org/wiki/Sistem minggu 17 Oktober 2010. 15:34
[19] Wikipedia. Website, http://id.wikipedia.org/wiki/Website 17 Oktober 2010. 13:04
[20] Wikipedia., E-commerce, http://id.wikipedia.org/wiki/E-commerce Sabtu 18 September 2010 16:03
[21] Wikipedia, Kamus_Data http://id.wikipedia.org/wiki/kamus_data Sabtu 18 September 2010 16:03
[22] Wikipedia, (17 Oktober 2010), Browser, http://id.wikipedia.org/wiki/Browser Sabtu 18 September 2010 16:03
[23] Yasa Abdul Fatah,Data Flow Diagram dan Flowmap http://yasaelfath.blogspot.com/2010/01/data-flow-diagram-dan-flowmap.html Sabtu 18 September 2010 16:03