APPLICATION FOR SELLING CUISINE AT PADANG X RESTAURANT BASED ON WEB

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Abstract
This Padang X restaurant was founded about 2 years ago, and is located on Jl. Pangeran No.136 Bekasi. This location is chosen because it is an area surrounded by offices such as village offices, sub-districts, and banks. So this place is a strategic place to be established restaurants. To provide good service to consumers, Padang X restaurant needs to know what is expected from consumers. In addition, X restaurant also needs to pay attention to the services provided to consumers so that if consumers are satisfied with the service they have received, consumers will still choose restaurants in Sabana Minang compared to other restaurants. So, the quality of service services is very important to note because it is closely related to consumer satisfaction Tekhnik data collection by looking directly at the survey to the field and dealing directly with activities that are directly involved in the sale of padang X restaurants

Pendahuluan
Along with the development of the food industry in Indonesia, and increasing the busyness of a person for his current job that causes a person does not have enough time to eat, usually someone wants food that does not require time to wait long but is also good, so now it is preferred fast food (Rahmawati, 2020). Fast food is currently very popular with the public because of the huge consumer interest in this type of food many restaurants provide fast food menus. One of the places that provides a variety of fast food menus is "Padang X Restaurant" (Kadir, 2014).

This Padang 2 restaurant was founded about 2 years ago, and is located on Jl. Pangeran No. 136 Bekasi. This location is chosen because it is an area surrounded by offices such as village offices, sub-districts, and banks. So this place is a strategic place to be established restaurants. To provide good service to consumers, padang X restaurant needs to know what is expected from consumers (Agustina, 2017). In addition, X restaurant also needs to pay attention to the services provided to consumers so that if consumers are satisfied with the service they have received, consumers will still choose restaurants in X compared to other restaurants. So, the quality of service is very important to note because it is closely related to customer satisfaction (Raharjo, 2011).
Padang X restaurant is a business field that is still developing so it needs to be designed an information system, information system is very important for restaurants. The information system is very useful to provide management information in making decisions and also to run the operation of the restaurant. Where the system is a combination of human, information technology and organized procedures (Hartono, 2013).

Padang X restaurant would be better if it used a web-based information system, this is because the website can be used as an appropriate marketing medium (Bunafit, 2013). The number of internet users today shows how big the opportunity is to get a large number of potential buyers. Through the website, we can introduce restaurant or product profiles, make it easier to update information, have a wide reach, and can give a professional impression because we are not left behind in terms of the progress of the times (Indrajani, 2011). And is an innovative way, delivery of orders will provide interesting innovations for customers not only waiting for buyers but also provide services that will make it easier for customers. It is hoped that more customers will buy Padang X dishes either directly or by ordering. And of course the profit will be bigger (Simamora, 2010).

But currently the restaurant does not have a computerized application program so the reception and expenditure is still manual which is considered less effective and efficient (Saiful, 2019). And it should be if using a good sales application program, considering the business that has now been done has begun to develop. With the development of data processing in the application program of restaurant sales by the owner, can provide the information needed if the owner of the restaurant wants to see a computerized report (Soer, 2015).

With the background of the problem, the title was chosen "Cooking Sales Application At Padang Sabana Minang Restaurant Web-Based".

Method
The methodology carried out in the collection of data related to the preparation or completion of this final task is as follows:

1. Field Studies
   Field studies are a way of obtaining data done systematically and the data taken is relevant and complete data to support research. This field study is divided into 2 techniques, namely:
   a. Observation
      Data collection techniques by looking directly at the survey to the field and dealing directly with activities that are directly involved in the sale of padang Sabana Minang restaurants.
   b. Sampling and documentation
   c. Collect document and report formats that can be used as material for database preparation.

2. Interviews
   Conducting interviews with restaurant owners about the current system of data processing and making sales reports

3. Literature Studies
   Literature Studies (library research) is the collection of data through books, internet sites and lecture notes that are closely related to the theme of the final task research.

Result and Discussion
A. System Design
   1. ERD (Entity Relationship Diagram)
2. Normalization
   a. Unnormalization

   In the process of unnormalization of all recorded data is written without any changes first, double data does not need to be written visible incomplete lines or records.

   **Tabel 1**
   **Unnormalization**

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   b. First Normal Form (1NF)

   A relationship is said to be the first normal form, if and only each attribute is of date value for each line, at the first normal there are still many weaknesses, especially in the anOMALY process of insert, update, delete.

   So the results of the first normal formation of 1NF are as follows:

   **Tabel 2**
   **First Normal Form (1NF)**
### Second Normal Shape (2NF)

Forming the second normal by decomposition of tables into several tables and looking for the primary key of each table, or it can be said that this second normal form has fulfilled the first normal form (1NF) and the attribute is not a key must depend functionally on the primary key.

**Tabel 3**

**Second Normal Shape (2NF)**

<table>
<thead>
<tr>
<th>No</th>
<th>Tabel Konfirmasi</th>
<th>Tabel Pemesanan Item</th>
<th>Tabel Barang</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kd_konfirmasi</td>
<td>Kd_pemesananitem</td>
<td>Kd_barang</td>
</tr>
<tr>
<td></td>
<td>Nm_konfirmasi</td>
<td>Nm_pemesananitem</td>
<td>Nm_barang</td>
</tr>
<tr>
<td></td>
<td>tanggal</td>
<td>tanggal</td>
<td>tanggal</td>
</tr>
<tr>
<td></td>
<td>Kd_konfirmasi</td>
<td>Kd_pemesananitem</td>
<td>Kd_barang</td>
</tr>
<tr>
<td></td>
<td>Nm_konfirmasi</td>
<td>Nm_pemesananitem</td>
<td>Nm_barang</td>
</tr>
<tr>
<td></td>
<td>tanggal</td>
<td>tanggal</td>
<td>tanggal</td>
</tr>
</tbody>
</table>

3. **Structure HIPO (Hierarchy Input Proses Output)**

a. **Structure HIPO Menu User**

```sql
C. Second Normal Shape (2NF)

Forming the second normal by decomposition of tables into several tables and looking for the primary key of each table, or it can be said that this second normal form has fulfilled the first normal form (1NF) and the attribute is not a key must depend functionally on the primary key.

**Tabel 3**

**Second Normal Shape (2NF)**

<table>
<thead>
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<th>No</th>
<th>Tabel Konfirmasi</th>
<th>Tabel Pemesanan Item</th>
<th>Tabel Barang</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kd_konfirmasi</td>
<td>Kd_pemesananitem</td>
<td>Kd_barang</td>
</tr>
<tr>
<td></td>
<td>Nm_konfirmasi</td>
<td>Nm_pemesananitem</td>
<td>Nm_barang</td>
</tr>
<tr>
<td></td>
<td>tanggal</td>
<td>tanggal</td>
<td>tanggal</td>
</tr>
<tr>
<td></td>
<td>Kd_konfirmasi</td>
<td>Kd_pemesananitem</td>
<td>Kd_barang</td>
</tr>
<tr>
<td></td>
<td>Nm_konfirmasi</td>
<td>Nm_pemesananitem</td>
<td>Nm_barang</td>
</tr>
<tr>
<td></td>
<td>tanggal</td>
<td>tanggal</td>
<td>tanggal</td>
</tr>
</tbody>
</table>

3. **Structure HIPO (Hierarchy Input Proses Output)**

a. **Structure HIPO Menu User**

```
b. Structure HIPO Menu Admin

4. Program Display Design
   a. User Main Menu Design

b. Member Login Menu Design
Gambar 5
Menu Login Member

Gambar 6
Member Registration Plan

d. Shopping Cart Design

Gambar 7
Shopping Cart Design

e. Draft Delivery Confirmation
f. Payment Confirmation Plan

Gambar 8
Draft Delivery Confirmation

Gambar 9
Payment Confirmation Page

g. Draft Booking List

Gambar 10
Draft Booking List

h. Admin Login Plan

Gambar 11
Admin Login Plan

i. Admin Menu Plan

Gambar 12
Admin Menu Plan

j. Admin Password Plan
### Ganti Password Admin

<table>
<thead>
<tr>
<th>Username</th>
<th>admin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Password Lama</td>
<td></td>
</tr>
<tr>
<td>Password Baru</td>
<td></td>
</tr>
<tr>
<td>SIMPAN</td>
<td></td>
</tr>
</tbody>
</table>

#### Gambar 13
**Admin Password Plan**

**k. Admin Menu Design**

#### Gambar 14
**Admin Menu Design**

1. **Provincial Data Plan**

<table>
<thead>
<tr>
<th>No</th>
<th>Nama Provinsi</th>
<th>Biaya Kirim</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>xxxxxxxxx</td>
<td>Rp. xxxx</td>
<td>Edit</td>
</tr>
<tr>
<td>2</td>
<td>xxxxxxxxx</td>
<td>Rp. xxxx</td>
<td>Delete</td>
</tr>
</tbody>
</table>

#### Gambar 15
**Provincial Data Plan**

m. **Category Data Design**

<table>
<thead>
<tr>
<th>No</th>
<th>Nama Kategori</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>xxxxxxxxx</td>
<td>Edit</td>
</tr>
<tr>
<td>2</td>
<td>xxxxxxxxx</td>
<td>Delete</td>
</tr>
</tbody>
</table>

#### Gambar 16
**Category Data Design**

n. **Menu Data Page Design**

<table>
<thead>
<tr>
<th>No</th>
<th>Kode</th>
<th>Nama Menu</th>
<th>Nama Penerima</th>
<th>Stok</th>
<th>Harga</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>xxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>1</td>
<td>Rp. xxxx</td>
<td>Edit</td>
</tr>
<tr>
<td>2</td>
<td>xxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>1</td>
<td>Rp. xxxx</td>
<td>Edit</td>
</tr>
</tbody>
</table>

#### Gambar 17
**Menu Data Page Design**

o. **Customer Data Design**

<table>
<thead>
<tr>
<th>No</th>
<th>No. Pelanggan</th>
<th>Nama Pelanggan</th>
<th>Kelamin</th>
<th>Stok</th>
<th>No. Telepon</th>
<th>Username</th>
<th>Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>xxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>1</td>
<td>Rp. xxxx</td>
<td>xxx</td>
<td>Delete</td>
</tr>
<tr>
<td>2</td>
<td>xxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>xxxxxxxxxx</td>
<td>1</td>
<td>Rp. xxxx</td>
<td>xxx</td>
<td>Delete</td>
</tr>
</tbody>
</table>

#### Gambar 18
**Customer Data Design**
p. Menu Ordering Data Design

Gambar 19
Menu Ordering Data Design

q. Transfer Confirmation Plan

Gambar 20
Transfer Confirmation Plan

r. Draft Entry-Period Booking Report

Gambar 21
Draft Entry-Period Booking Report

s. Draft Order Report Full-Date

Gambar 22
Draft Order Report Full-Date

t. Menu Order Print Design

Gambar 23
Menu Order Print Design
u. Draft View Order Transactions

![Image of Draft View Order Transactions]

Gambar 24
Draft View Order Transactions

B. Implementation

1. Relationship Between Tables

![Image of Relationship Between Tables]

Gambar 25
Relationship Between Tables

2. Database Structure

The database structure is a grouping of file specifications created as a support in database management to be easily designed for programming applications.

a. Admin Table

<table>
<thead>
<tr>
<th>Database Name</th>
<th>: delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table</td>
<td>: Admin</td>
</tr>
<tr>
<td>Media</td>
<td>: Harddisk</td>
</tr>
</tbody>
</table>

Tabel 4
Admin Table Database Structure

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Length</th>
<th>Primary</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>int</td>
<td>2</td>
<td>Primary</td>
</tr>
<tr>
<td>username</td>
<td>Varchar</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>password</td>
<td>Varchar</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

b. Table Menu
Application For Selling Cuisine at Padang X Restaurant Based On WEB

Database Name: delivery
Table: Menu
Media: Harddisk

Tabel 5
Menu Table Database Structure

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Length</th>
<th>Primary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kd_Menu</td>
<td>Char</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Menu</td>
<td>Varchar</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Harga_modal</td>
<td>Int</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Harga_jual</td>
<td>Int</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>stok</td>
<td>Integer</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>keterangan</td>
<td>Varchar</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>File_gambar</td>
<td>Varchar</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Kd_kategori</td>
<td>Char</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

c. Table Category
Database Name: delivery
Table: Kategori
Media: Harddisk

Tabel 6
Category Table Database Structure

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Length</th>
<th>Primary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kd_Kategori</td>
<td>Char</td>
<td>10</td>
<td>Primary</td>
</tr>
<tr>
<td>Nm_Kategori</td>
<td>Varchar</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

d. Confirmation Table
Database Name: delivery
Table: Confirmation
Media: Harddisk

Tabel 7
Confirmation Table Database Structure

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Length</th>
<th>Primary</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Integer</td>
<td>3</td>
<td>Primary</td>
</tr>
<tr>
<td>No_pemesanan</td>
<td>Char</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Nm_pemakan</td>
<td>Varchar</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>jumlah_transfer</td>
<td>Integer</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>keterangan</td>
<td>text</td>
<td></td>
<td></td>
</tr>
<tr>
<td>tanggal</td>
<td>date</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

e. Customer Table
Database Name: delivery
Table: Customer
Media: Harddisk

Tabel 8
Customer Table Database Structure
f. Booking Table  
Database Name: delivery  
Table: Ordering  
Media: Harddisk

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Length</th>
<th>Primary</th>
</tr>
</thead>
<tbody>
<tr>
<td>No_pemesanan</td>
<td>char</td>
<td>15</td>
<td>Primary</td>
</tr>
<tr>
<td>Kd_pelanggan</td>
<td>char</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Tgl_pemesanan</td>
<td>date</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nama_penerima</td>
<td>varchar</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Alamat_lengkap</td>
<td>varchar</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Kd_provinsi</td>
<td>char</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Kota</td>
<td>varchar</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Kode_pos</td>
<td>char</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>No_telepon</td>
<td>char</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Status_bayar</td>
<td>varchar</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

3. Main Menu Display, Program Input and Output  
a. Home Menu Display  
![Gambar 26](https://example.com/gambar26.png)  
Home Menu Display  

b. Profile Menu File
Gambar 27  
Profile Menu File  
c. Menu Display  

Gambar 28  
Menu Display  
d. Guide View  

Gambar 29  
Guide View  
e. Payment Confirmation Display
f. Customer Registration View

![Customer Registration View](image)

Gambar 30
Payment Confirmation Display


Gambar 31
Customer Registration View

g. Shopping Cart Menu Display

![Shopping Cart Menu Display](image)

Gambar 32
Shopping Cart Menu Display


Gambar 33
Order List Menu View

h. Order List Menu View

![Order List Menu View](image)

Gambar 33
Order List Menu View

i. Shopping Confirmation View

![Shopping Confirmation View](image)
Application For Selling Cuisine at Padang X Restaurant Based On WEB

Gambar 34
Shopping Confirmation View

j. Ordering Complete Print Menu View

Gambar 35
Ordering Complete Print Menu View

k. Admin Login Menu View

Gambar 36
Admin Login Menu View

l. Admin Menu View

Gambar 37
Tampilan Menu Admin

m. View Edit Admin Password
Conclusion

The ending of the words in this ending concludes the descriptions that have been put forward by the previous chapters so as to provide a general picture of the writing of this final task.

From this final task, the author can broadly draw conclusions: 1) With this information system is expected to solve problems that have been quite time consuming and employees in charge and responsible in the sales process. 2) With this web, visitors can find out information about Padang Sabana Minang Restaurant that has been observed, and can make purchase transactions without having to come to the business location. 3) Web-based sales are very
efficient and effectively used in the process of data entry sales transactions, so as to market sales goods more maximally.

REFERENCES


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