

APPLICATION FOR SELLING CUISINE AT PADANG X RESTAURANT BASED ON WEB

Maulina Nabila

Ridwan Institute (RIIn) Sumber Cirebon, Jawa Barat, Indonesia

Email: nabilamaulina01@gmail.com

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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. Teknik 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).

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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

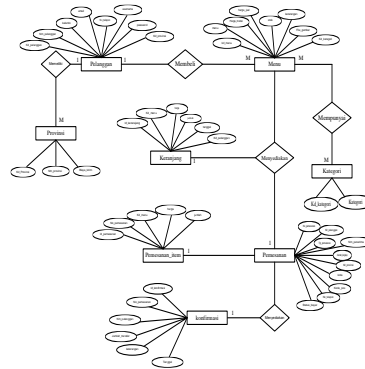
The methodology carried out in the collection of data related to the preparation or completion of this final task is as follows:

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)



Gambar 1
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

No. Prinsipal	No. Manajer	Nama	Jenis	No. Prinsipal	Alamat	No. Prinsipal	No. Prinsipal
0001	0001	Laksmi	Manajer	0001/0001/0001	0001/0001/0001	0001	0001/0001
0002	0002	Laksmi	Manajer	0001/0002/0001	0001/0002/0001	0002	0001/0002

No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal
0001/0001/0001	0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001
0001/0001/0001	0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001	0001/0001/0001

No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal
0001	0001/0001/0001	0001	0001	0001	0001
0001	0001/0001/0001	0001	0001	0001	0001

No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal
0001	0001	0001	0001	0001
0001	0001	0001	0001	0001

No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal
0001	0001/0001/0001	0001	0001	0001
0001	0001/0001/0001	0001	0001	0001

No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal	No. Prinsipal
0001	0001/0001/0001	0001	0001	0001
0001	0001/0001/0001	0001	0001	0001

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)

Kd_pelanggan*	Nm_pelanggan	kelamin	email	No_telepon	username
P00001	haris	Laki-laki	haris@gmail.com	081293164103	haris
P00002	fady	Laki-laki	fady@gmail.com	08811186839	fady

No_pemesanan*	Tgl_pemesanan	Nm_penerima	Jumlah_transfer	Status_bayar
201611090001	09/11/2016	Haris arifin	85103	lunas
201611090002	09/11/2016	Fady arifin	85103	lunas

Kd_menu*	Nm_menu	Harga_jual	stok
B0001	Rendang Ayam	70000	50
B0002	Rendang Suwir	70000	50

Id_keranjang*	Kd_menu**	harga	jumlah	Kd_pelanggan**	tanggal
12	B0001	70000	2	P00001	08/11/2016
13	B0002	70000	2	P00002	08/11/2016

Kd_kategori*	Nm_kategori	Kd_provinsi*	Nm_provinsi	Biaya_kirim
K001	Rendang	P01	Jawa tengah	15000
K002	Dendeng	P02	Jawa barat	15000

Id_pemesan*	No_pemesanan	Kd_menu**	harga	jumlah
23	201611090001	B0001	70000	2
24	201611090002	B0002	70000	2

Id_konfirmasi*	No_pemesanan	Nm_pelanggan	Jumlah_transfer	keterangan	tanggal
7	201611090001	haris	85103	Saya sudah transfer tadi pagi	08/11/2016
8	201611090002	fady	85103	Saya sudah transfer tadi siang	08/11/2016

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)

1) Tabel Pelanggan

Kd_pelanggan*	Nm_pelanggan	kelamin	email	No_telepon	username
P00001	haris	Laki-laki	haris@gmail.com	081293164103	haris
P00002	fady	Laki-laki	fady@gmail.com	08811186839	fady

2) Tabel Pemesanan

No_pemesanan*	Tgl_pemesanan	Nm_penerima	Jumlah_transfer	Status_bayar
201611090001	09/11/2016	Haris arifin	85103	lunas
201611090002	09/11/2016	Fady arifin	85103	lunas

3) Tabel Menu

Kd_menu*	Nm_menu	Harga_jual	stok
B0001	Rendang Ayam	70000	50
B0002	Rendang Suwir	70000	50

4) Tabel Tamplil Keranjang

Id_keranjang*	Kd_menu**	harga	jumlah	Kd_pelanggan**	tanggal
12	B0001	70000	2	P00001	08/11/2016
13	B0002	70000	2	P00002	08/11/2016

5) Tabel Kategori

Kd_kategori*	Nm_kategori
K001	Rendang
K002	Dendeng

6) Tabel Provinsi

Kd_provinsi*	Nm_provinsi	Biaya_kirim
P01	Jawa tengah	15000
P02	Jawa barat	15000

7) Tabel Pemesanan Item

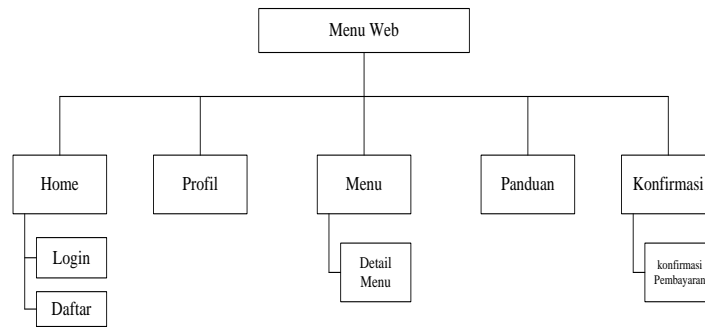
Id_pemesan*	No_pemesanan	Kd_menu**	harga	jumlah
23	201611090001	B0001	70000	2
24	201611090002	B0002	70000	2

8) Tabel Konfirmasi

Id_konfirmasi*	No_pemesanan	Nm_pelanggan	Jumlah_transfer	keterangan	tanggal
7	201611090001	haris	85103	Saya sudah transfer tadi pagi	08/11/2016
8	201611090002	fady	85103	Saya sudah transfer tadi siang	08/11/2016

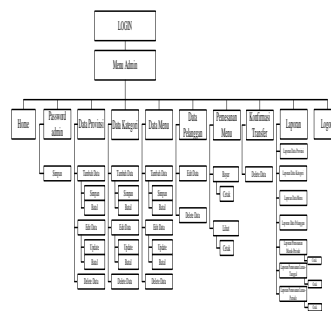
3. Structure HIPO (*Hierarchy Input Proses Output*)

a. Structure HIPO Menu User



Gambar 2
Structure HIPO Menu User

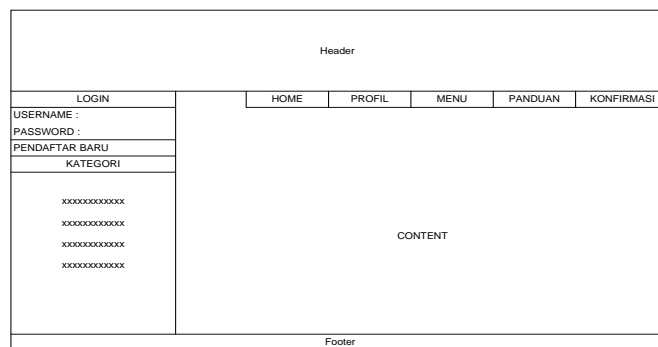
b. Structure HIPO Menu Admin



Gambar 3
Structure HIPO Menu Admin

4. Program Display Design

a. User Main Menu Design



Gambar 4
User Main Menu Design

b. Member Login Menu Design

LOGIN

Username :
[input field]

Password :
[input field]

LOGIN

PENDAFTARAN BARU

Gambar 5
Menu Login Member

c. Member Registration Plan

PENDAFTARAN PELANGGAN

Nama Pelanggan : [input field]

Kelamin : [dropdown menu]

E-Mail : [input field]

No. Telepon : [input field]

Data Login

Username : [input field]

Password : [input field]

Password Lagi : [input field]

DAFTAR

Gambar 6
Member Registration Plan

d. Shopping Cart Design

GAMBAR	Nama Menu	Harga	JUMLAH	TOTAL	Tools
[input field]	[input field]	[input field]	[input field]	[input field]	[input field]

Kategori [input field]

Grand Total : [input field]

Ubah Data

Lanjutkan

Gambar 7
Shopping Cart Design

e. Draft Delivery Confirmation

Konfirmasi Belanja				
No	Nama Menu	Harga	JUMLAH	Total
1	xxxxxxxxxx	xxxxxxxxxx	xx	xxxxxxxxxx
				Grand Total : xxxxxxxxxxxx
Lengkapi Alamat Pengiriman				
Alamat Penerima :	xxxxxxxxxx			
Alamat Tujuan :	xxxxxxxxxx			
Tujuan provinsi :	xxxxxxxxxx ▼			
Kota Tujuan :	xxxxxxxxxx			
Kode Pos :	xxxxxxxxxx			
No. Telepon :	xxxxxxxxxx			
<input type="button" value="Simpan Dan Lanjutkan Transaksi"/>				

Gambar 8
Draft Delivery Confirmation

f. Payment Confirmation Plan

KONFIRMASI PEMBAYARAN	
No Pemesanan :	xxxxxxxxxx
Nama Penerima :	xxxxxxxxxx
Jumlah Transfer :	xxxxxxxxxx
Keterangan :	
<input type="button" value="Kirim"/>	

Gambar 9
Payment Confirmation Page

g. Draft Booking List

Daftar Pemesanan							
No	No. Pesan	Tanggal	Nama Penerima	Total	Biaya Kirim	Status	Tools
1	xxxxxxxxxx	dd-mm-yy	xxxxxxxxxx	Rp. xxxx	Rp. xxxx	xxxx	cetak

Gambar 10
Draft Booking List

h. Admin Login Plan

GAMBAR	Administrator
	Username : <input type="text"/>
	Password : <input type="password"/>
	<input type="button" value="LOGIN"/>

Gambar 11
Admin Login Plan

i. Admin Menu Plan

ADMINISTRATOR	
LOGIN	
Selamat Datang Administrator Silahkan LOGIN	

Gambar 12
Admin Menu Plan

j. Admin Password Plan

Ganti Password Admin	
Username :	<input type="text" value="admin"/>
Password Lama :	<input type="text"/>
Password Baru :	<input type="text"/>
<input type="button" value="SIMPAN"/>	

Gambar 13
Admin Password Plan

k. Admin Menu Design

ADMINISTRATOR									
Home	Password Admin	Data Provinsi	Data Kategori	Data Menu	Data Pelanggan	Pemesanan Menu	Konfirmasi Transfer	Laporan	Logout
SELAMAT DATANG.....!!! Anda LOGIN sebagai ADMINISTRATOR									
footer									

Gambar 14
Admin Menu Design

l. Provincial Data Plan

Data Provinsi				
Tambah Data				
No	Nama Provinsi	Biaya Kirim	Tools	
1	xxxxxxxxxx	Rp. xxxx	Edit	Delete
2	xxxxxxxxxx	Rp. xxxx	Edit	Delete

Gambar 15
Provincial Data Plan

m. Category Data Design

Data Kategori			
Tambah Data			
No	Nama Kategori	Tools	
1	xxxxxxxxxx	Edit	Delete
2	xxxxxxxxxx	Edit	Delete

Gambar 16
Category Data Design

n. Menu Data Page Design

Data Menu						
Tambah Data						
No	Kode	Nama Menu	Nama Penerima	Stok	Harga	Tools
1	xxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx	1	Rp. xxxx	Edit Delete
2	xxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx	1	Rp. xxxx	Edit Delete

Gambar 17
Menu Data Page Design

o. Customer Data Design

Data Pelanggan							
Cari Nama :	<input type="text"/>	CARI					
No	No. Pelanggan	Nama Pelanggan	Kelamin	Stok	No. Telepon	Username	Tools
1	xxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx	1	Rp. xxxx	xxxx	Delete
2	xxxxxxxxxx	xxxxxxxxxx	xxxxxxxxxx	1	Rp. xxxx	xxxx	Delete

Gambar 18
Customer Data Design

p. Menu Ordering Data Design

DAFTAR PEMESANAN							
Filter Data							
PERIODE : <input type="text"/> s/d <input type="text"/> <input type="button" value="Tampilkan"/>							
No	No Pesanan	Tanggal	Nama Pelanggan	Total Transfer	status	Set Bayar	Tools
1	xxxxxxxx	dd-mm-yy	xxxxxxxxxx	Rp. xxx	xxxx	xxxxx	Detail
2	xxxxxxxx	dd-mm-yy	xxxxxxxxxx	Rp. xxx	xxxx	xxxxx	Detail

Gambar 19
Menu Ordering Data Design

q. Transfer Confirmation Plan

Konfirmasi Transfer						
No	Tanggal	No. Pemesanan	Nama Pelanggan	Transfer	Keterangan	Tools
1	xxxxxxxx	xxxxxxxxxx	xxxxxxxxxx	Rp. xxxxx	xxxx	Delete
2	xxxxxxxx	xxxxxxxxxx	xxxxxxxxxx	Rp. xxxxx	xxxx	Delete

Jumlah Data : xxx Halaman Ke : 1

Gambar 20
Transfer Confirmation Plan

r. Draft Entry-Period Booking Report

LAPORAN PEMESANAN MASUK							
Filter Data							
PERIODE : <input type="text"/> s/d <input type="text"/> <input type="button" value="Tampilkan"/>							
No	Tanggal	Kode Pelanggan	Nama Pelanggan	Jumlah	Total Bayar	Status	Tools
1	dd-mm-yy	xxxxxxxx	xxxxxxxxxx	xxx	Rp. xxx	xxxxx	Detail
2	dd-mm-yy	xxxxxxxx	xxxxxxxxxx	xxx	Rp. xxx	xxxxx	Detail

Gambar 21
Draft Entry-Period Booking Report

s. Draft Order Report Full-Date

LAPORAN PEMESANAN LUNAS PER TANGGAL						
Filter Data						
Tanggal Transaksi : <input type="text"/> <input type="button" value="Tampilkan"/>						
No	Tanggal	Kode Pelanggan	Nama Pelanggan	Jumlah	Total Bayar	Tools
1	dd-mm-yy	xxxxxxxx	xxxxxxxxxx	xxx	Rp. xxx	Detail
2	dd-mm-yy	xxxxxxxx	xxxxxxxxxx	xxx	Rp. xxx	Detail
Jumlah Total :				xxx	Rp. xxx	

Gambar 22
Draft Order Report Full-Date

t. Menu Order Print Design

TRANSAKSI PESANAN					
Transaksi					
No. Pemesanan :	xxxxxxxx				
Tanggal :	xxxxxxxx				
Kode Pelanggan :	xxxxxxxx				
Nama Pelanggan :	xxxxxxxx				
Penerima					
Nama Penerima :	xxxxxxxx				
Alamat Penerima :	xxxxxxxx				
Provinsi :	xxxxxxxx				
No. Telepon :	xxxxxxxx				
Kode Unik Transfer :	xxxxxxxx				
Status Pembayaran :	xxxxxxxx				
No.	Kode	Nama Barang	Harga	Jumlah	Total
1	xxxxxxxx	xxxxxxxxxx	xxx	xxx	xxx
Total Belanja :					Rp. xxxxx
Total Biaya Kirim :					Rp. xxxxx
Grand Total :					Rp. xxxxx
Nominal Pembayaran Adalah :					Rp. xxxxx

Gambar 23
Menu Order Print Design

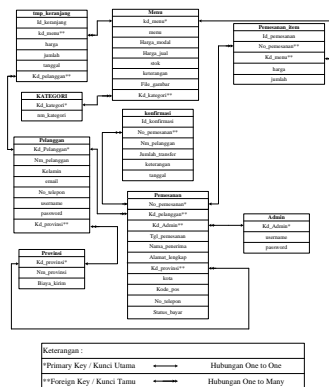
u. Draft View Order Transactions

TRANSAKSI PESANAN					
Transaksi					
No. Pemesanan	:	xxxxxxx			
Tanggal	:	xxxxxxx			
Kode Pelanggan	:	xxxxxxx			
Nama Pelanggan	:	xxxxxxx			
Penerima					
Nama Penerima	:	xxxxxxx			
Alamat Penerima	:	xxxxxxx			
Provinsi	:	xxxxxxx			
No. Telepon	:	xxxxxxx			
Kode Link Transfer	:	xxxxxxx			
Status Pembayaran	:	xxxxxxx			
No.	Kode	Nama Barang	Harga	Jumlah	Total
1	xxxxxxx	xxxxxxx	xxx	xxx	xxx
					Total Belanja : Rp. xxx
					Total Biaya Kirim : Rp. xxx
					Grand Total : Rp. xxx
					Nominal Pembayarannya Adalah : Rp. xxx

Gambar 24
Draft View Order Transactions

B. Implementation

1. 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

Database Name : delivery
 Table : Admin
 Media : Harddisk

Tabel 4
Admin Table Database Structure

Field	Type	Length	Primary
id	int	2	Primary
username	Varchar	50	
password	Varchar	50	

b. Table Menu

Database Name : delivery
 Table : Menu
 Media : Harddisk

Tabel 5
Menu Table Database Structure

Field	Type	Length	Primary
Kd_Menu	Char	5	Primary
Menu	Varchar	100	
Harga_modal	int	12	
Harga_jual	int	12	
stok	Integer	4	
keterangan	varchar	100	
File_gambar	varchar	50	
Kd_kategori	char	4	

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

Tabel 6
Category Table Database Structure

Field	Type	Length	Primary
Kd_Kategori	Char	10	Primary
Nm_Kategori	Varchar	100	

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

Tabel 7
Confirmation Table Database Structure

Field	Type	Length	Primary
id	Integer	3	Primary
No_pemesanan	char	15	
Nm_pelanggan	varchar	100	
Jumlah_transfer	Integer	4	
keterangan	text		
tanggal	date		

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

Tabel 8
Customer Table Database Structure

Field	Type	Length	Primary
Kd_pelanggan	char	6	Primary
Nm_pelanggan	char	100	
kelamin	Enum 'Laki-Laki','Perempuan'		
email	varchar	50	
No_telepon	char	20	
username	varchar	100	
password	varchar	50	
Tgl_daftar	date		

f. Booking Table

Database Name : delivery
 Table : Ordering
 Media : Harddisk

Tabel 9
Order Table Database Structure

Field	Type	Length	Primary
No_pemesanan	Char	15	Primary
Kd_pelanggan	char	6	
Tgl_pemesanan	date		
Nama_penerima	Varchar	100	
Alamat_lengkap	varchar	100	
Kd_provinsi	char	6	
kota	varchar	50	
Kode_pos	char	6	
No_telepon	char	20	
Status_bayar	varchar	30	

3. Main Menu Display, Program Input and Output

a. Home Menu Display



Gambar 26
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



Gambar 30
Payment Confirmation Display

f. Customer Registration View



Gambar 31
Customer Registration View

g. Shopping Cart Menu Display



Gambar 32
Shopping Cart Menu Display

h. Order List Menu View



Gambar 33
Order List Menu View

i. Shopping Confirmation View



Gambar 34
Shopping Confirmation View

j. Ordering Complete Print Menu View



Gambar 35
Ordering Complete Print Menu View

k. Admin Login Menu View



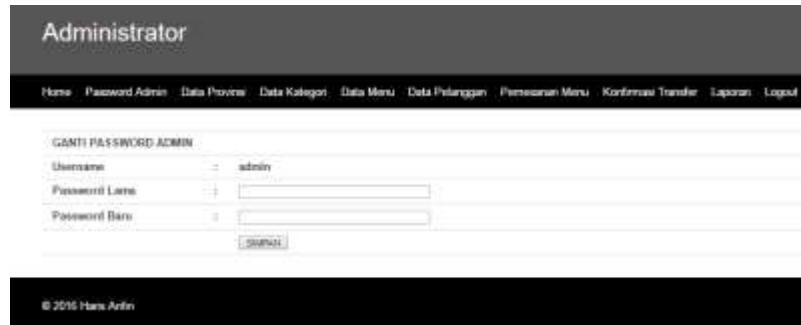
Gambar 36
Admin Login Menu View

l. Admin Menu View



Gambar 37
Tampilan Menu Admin

m. View Edit Admin Password



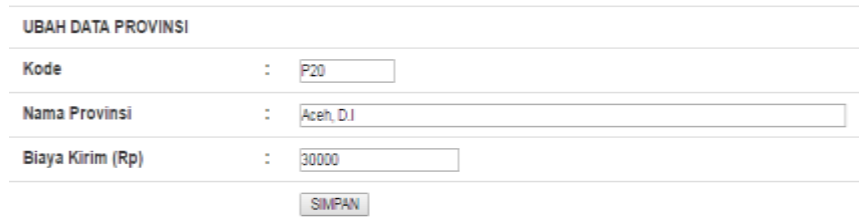
Gambar 38
View Edit Admin Password

n. Provincial Data View



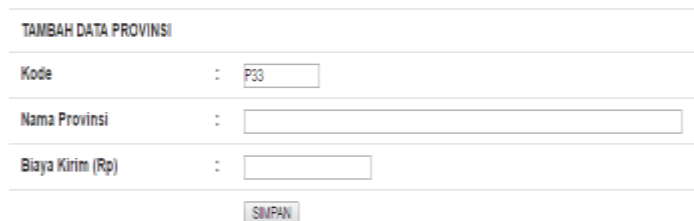
Gambar 39
Provincial Data View

o. Provincial Data Edit View



Gambar 40
Provincial Data Edit View

p. Provincial Data Add View



Gambar 41
Provincial Data Add View

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.

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