

1. Tabel Menu

a. Normalisasi Bentuk 1NF

Id_menu	Nama	Harga	Status
A848	Nasi Putih	8000	Tersedia
A410	Dendeng Gepuk	10000	Tersedia
A415	Ayam Bakar	7000	Habis
A422	Ayam Goreng	7000	Tersedia
A435	Sayur Asem	8000	Tersedia

b. Normalisasi Bentuk 2NF

Id_menu -> Nama

Id_menu -> Harga

Id_menu -> Status

c. Normalisasi Bentuk 3NF

2. Tabel Costumer

a. Normalisasi Bentuk 1NF

Id_Costumer	Nama	Alamat	Nomer_tel p	Email	Agama	Jenis_kelamin	Username
11110	Hanif	Semarang	081234362643	hanifrifki46@gmail.com	Islam	L	Hanif0
11111	Arif	Cirebon	087824431645	Arifrh01@gmail.com	Islam	L	Arifrh01
11112	Edy	Surabaya	082231546557	edysantoso@gmail.com	Islam	L	Edy12345
11113	Gandhi	Batam	08253146548	gandhia@gmail.com	Islam	L	Gandhim123
11114	Cum	Cirebon	08985878752	anniscum@gmail.com	Islam	P	Chumaedah012

b. Normalisasi Bentuk 2NF

Id_costumer -> Nama

Id_costumer -> Alamat

Id_costumer -> Nomor_telp

Id_costumer -> Email

Id_costumer -> Agama

Id_costumer -> Jenis_kelamin

Id_costumer -> Username

c. Normalisasi Bentuk 3NF

3. Tabel Pegawai

a. Normalisasi Bentuk 1NF

Id_pegawai	Nama	Email	Alamat	Jenis_kelamin	Jabatan	Agama	Username
P101	Reza	reza@gmail.com	Bekasi	L	Kasir	Islam	Reza01
P102	Diaz	diaz@gmail.com	Sukabumi	L	Koki	Islam	Diaz02
P103	Irvan	irvan@gmail.com	Bogor	L	Pelayan	Islam	Irvan03
P104	Ncis	ncis@gmail.com	Kaliurang	P	Koki	Islam	Ncis04
P105	Cenjay	cenjay@gmail.com	Bekasi	L	Pelayan	Islam	Cenjay05

b. Normalisasi Bentuk 2NF

Id_pegawai -> Nama

Id_pegawai -> Email

Id_pegawai -> Alamat

Id_pegawai -> Jenis_kelamin

Id_pegawai -> Jabatan

Id_pegawai -> Agama

Id_pegawai -> Username

c. Normalisasi Bentuk 3NF

4. Tabel userpass

a. Normalisasi Bentuk 1NF

Username	Password	Status
Reza01	Reza01	Pegawai
Diaz02	Diaz98	Pegawai
Irvan03	Irvan10	Pegawai
Ncis04	Ncis98	Pegawai
Cenjay05	Cenjay999	Pegawai
Hanif0	Hanif98	Costumer
Arifrh01	1234ar	Costumer
Edy12345	Edys001	Costumer
Gandhim123	Gandhimm	Costumer
Chumaedah012	Chumaedah99	Costumer

5. Tabel Gaji

a. Normalisasi Bentuk 1NF

Bulan	Username	Jumlah_gaji
Agustus	Reza01	2500000
Agustus	Diaz02	2500000
Agustus	Irvan03	2000000
Agustus	Ncis04	2500000
Agustus	Cenjay05	2000000

6. Tabel Message

a. Normalisasi Bentuk 1NF

Id_message	Username	Message
M101	Hanif0	Restaurant nyaman, makanan berkualitas
M102	Arifrh01	Restaurant terlihat rapih
M103	Edy12345	Restaurant nyaman untuk mengerjakan tugas
M104	Gandhim123	Enak buat nongs
M105	Chumaedah012	Restaurant yang dapat memberikan sebuah inspirasi

7. Tabel Transaksi

a. Normalisasi Bentuk 1NF

Id_transaksi	Id_costumer	Tgl_transaksi	Status
TR01	11110	12/02/2018	Lunas
TR02	11110	13/02/2018	Lunas
TR03	11112	14/02/2018	Lunas
TR04	11111	14/02/2018	Lunas
TR05	11111	15/02/2018	Lunas

8. Tabel Kehadiran

a. Normalisasi Bentuk 1NF

Tgl_Bln_Thn	Id_pegawai	Status
01/07/2018	P101	Hadir
01/07/2018	P102	Hadir
01/07/2018	P103	Hadir
01/07/2018	P104	Hadir
01/07/2018	P105	Hadir

9. Tabel Stok Barang

a. Normalisasi Bentuk 1NF

Id_barang	Nama_barang	Status
BR01	Ayam	Ada
BR02	Beras	Ada
BR03	Daging Sapi	Ada
BR04	Timun	Ada
BR05	Merica	Ada

ATRIBUT TABLE

Table 2. 1. Kamus Data Menu

Isi Atribut	Pk/Fk	Tipe Data
Id_menu	PK	Varchar(5)
Nama	-	Varchar(20)
Harga	-	Long
Status	-	Varchar(10)

Table 2. 2. Kamus Data Userpass

Isi Atribut	Pk/Fk	Tipe Data
Username	PK	Varchar(20)
Password	-	Varchar(20)
Status	-	Varchar(1)

Table 2. 3. Kamus Data Customer

Isi Atribut	Pk/Fk	Tipe Data
Id_costumer	PK	Varchar(5)
Nama	-	Varchar(20)
Alamat	-	Varchar(100)
Nomer_telp	-	Varchar(13)
Jenis_kelamin	-	Char

Email	-	Varchar(50)
Agama	-	Varchar(10)
Username	FK	Varchar(20)

Table 2. 4. Kamus Data Pegawai

Isi Atribut	Pk/Fk	Tipe Data
Id_pegawai	PK	Varchar(5)
Nama	-	Varchar(20)
Alamat	-	Varchar(100)
Jenis_kelamin	-	Char
Nomer_telp	-	Varchar(13)
Email	-	Varchar(50)
Jabatan	-	Varchar(10)
Agama	-	Varchar(10)
Username	FK	Varchar(20)

Table 2. 5. Kamus Data Transaksi

Isi Atribut	Pk/Fk	Tipe Data
Id_transaksi	PK	Varchar(5)
Id_customer	FK	Varchar(5)
Tgl_transaksi	-	Varchar(20)
Status	-	Varchar(20)

Table 2. 6. Kamus Data DetilTransaksi

Isi Atribut	Pk/Fk	Tipe Data
Id_transaksi	FK	Varchar(5)

Id_menu	FK	Varchar(20)
Jumlah_barang	-	Varchar(20)
Total_Harga	-	Long
Status_pesanan	-	Varchar(20)

Table 2. 7. Kamus Data Kehadiran

Isi Atribut	Pk/Fk	Tipe Data
Tgl_Bln_Thn	-	Varchar(10)
Id_pegawai	FK	Varchar(5)
Status	-	Varchar(20)

Table 2. 8. Kamus Data Kehadiran

Isi Atribut	Pk/Fk	Tipe Data
Id_barang	PK	Varchar(20)
Nama_barang	-	Varchar(20)
Status	-	Varchar(1)

Table 2. 9. Kamus Data Message

Isi Atribut	Pk/Fk	Tipe Data
Id_message	PK	Varchar(5)
Username	FK	Varchar(5)
Message	-	Varchar(100)

Table 2. 10. Kamus Data Gaji

Isi Atribut	Pk/Fk	Tipe Data
Bulan	PK	Varchar(20)
Usrname	FK	Varchar(5)

Jumlah_gaji	-	Long
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DDL

create table menu(

id_menu varchar(5) not null,

nama varchar(20),

harga long,

status varchar(10),

constraint menu_pk primary key (id_menu)

);

create table userpass(

username varchar(20) not null,

password varchar(20) not null,

status varchar(1),

constraint userpass_pk primary key (username)

);

create table customer(

id_customer varchar(5) not null,

nama varchar(20),

alamat varchar(100),

nomer_telp varchar(13),

jenis_kelamin char,

email varchar(50),

agama varchar(10),

username varchar(20) not null,

```
constraint customer_pk primary key (id_customer),  
constraint customer_fk1 foreign key (username) references userpass (username) on delete  
cascade  
);
```

```
create table pegawai(  
    id_pegawai varchar(5) not null,  
    nama varchar(20),  
    alamat varchar(100),  
    jenis_kelamin char,  
    nomer_telp varchar(13),  
    email varchar(50),  
    jabatan varchar(10),  
    agama varchar(10),  
    username varchar(20) not null,  
    constraint pegawai_pk primary key (id_pegawai),  
    constraint pegawai_fk1 foreign key (username) references userpass(username) on delete  
cascade  
);
```

```
create table transaksi(  
    id_transaksi varchar(5),  
    id_customer varchar(5),  
    tgl_transaksi date,  
    status varchar(20),  
    constraint transaksi_pk primary key (id_transaksi),  
    constraint transaksi_fk1 foreign key (id_customer) references customer (id_customer) on delete  
cascade  
);
```



```
Create table stok_barang(  
    Id_barang varchar(5) not null,  
    Nama_barang varchar(20),  
    Status varchar(1),  
    Constraint stok_barang_pk primary key (id_barang)  
);
```

```
Create table message(  
    Id_message varchar(5) not null,  
    Username varchar(5) not null,  
    Message varchar(100),  
    Constraint message_pk primary key (id_message),  
    Constraint message_fk1 foreign key (username) references userpass (username) on delete  
cascade  
);
```

```
Create table DetilTransaksi(  
    Id_transaksi varchar(5) not null,  
    Id_menu varchar(20) not null,  
    Jumlah_barang varchar(20),  
    Total_harga long,  
    Status_pesan varchar(20),  
    Constraint DetilTransaksi_fk1 foreign key (id_transaksi) references transaksi (id_transaksi) on  
delete cascade,  
    Constraint DetilTransaksi_fk2 foreign key (id_menu) references menu (id_menu) on delete  
cascade  
);
```

```
create table kehadiran(  
    Tgl_Bln_Thn date,
```

```

        id_pegawai varchar(5) not null,
        Status varchar(20),
        Constraint kehadiran_fk1 foreign key (id_pegawai) references pegawai (id_pegawai) on delete
        cascade
    );

```

Create table gaji(

```

        Bulan varchar(20),
        Username varchar(5) not null,
        Jumlah_gaji long,
        Constraint gaji_pk primary key (bulan),
        Constraint gaji_fk1 foreign key (username) references userpass (username) on delete cascade
    );

```

DML

Insert into menu values ("A848","Nasi Putih", 8000 ,"Tersedia");

Insert into menu values ("A410", "Dendeng Gepuk", 10000 , "Tersedia");

Insert into menu values ("A415","Ayam Bakar", 7000 ,"Habis");

Insert into menu values ("A422","Ayam Goreng", 7000 , "Tersedia");

Insert into menu values ("A435","Sayur Asem", 8000 ,"Tersedia");

Insert into customer values

("11110","Hanif","Semarang","081234362643","L","hanifrifki46@yahoo.com","Islam","Hanif0");

Insert into customer values ("11111","AriF","Cirebon","087824431645","L",
"Arifrh01@gmail.com","Islam","Arifh01");

Insert into customer values ("11112","Edy","Surabaya","082231546557","L",
"edysantoso@gmail.com","Islam","Edy12345");

Insert into customer values

("11113","Gandhi","Batam","08253146548","L","gandhia@gmail.com","Islam","Gandhim123");

Insert into customer values

("11114","Cum","Cirebon","08985878752","P","anniscum@gmail.com","Islam","Chumaedah012");

Insert into pegawai values

("P101","Reza","Bekasi","L","081675872102","reza@gmail.com","Kasir","Islam","Reza01");

Insert into pegawai values

("P102","Diaz","Sukabumi","L","081234567811","diaz@gmail.com","Koki","Islam","Diaz02");

Insert into pegawai values

("P103","Irvan","Bogor","L","087824431645","Irvan@gmail.com","Pelayan","Islam","Irvan03");

Insert into pegawai values ("P104","Ncis","Kaliurang","P","089777888102","ncis@gmail.com","Koki","Islam","Ncis04");

Insert into pegawai values

("P105","Cenjay","Bekasi","L","088111222333401","cenjay@gmail.com","Pelayan","Islam","Cenjay05")
;

Insert into userpass values ("Reza01","Reza01","Pegawai");

Insert into userpass values ("Diaz02","Diaz98","Pegawai");

Insert into userpass values ("Irvan03","Irvan10","Pegawai");

Insert into userpass values ("Ncis04","Ncis98","Pegawai");

Insert into userpass values ("Cenjay05","Cenjay999","Pegawai");

Insert into userpass values ("Hanif0","hanif98","Costumer");

Insert into userpass values ("Arifh01","1234ar","Costumer");

Insert into userpass values ("Edy12345","Edy001","Costumer");

Insert into userpass values ("Gandhim123","Gabdhim","Costumer");

Insert into userpass values ("Chumaedah012","Chumaedah99","Costumer");

Insert into Gaji values ("Agustus","Reza01","2500000");

Insert into Gaji values ("Agustus","Diaz02","2500000");

Insert into Gaji values ("Agustus","Irvan03","2000000");

Insert into Gaji values ("Agustus","Ncis04","2500000");

Insert into Gaji values ("Agustus","Cenjay05","2000000");

Insert into message values ("M101","Hanif0","Restaurant nyaman, makanan berkualitas");

Insert into message values ("M102","Arifrh01","Restaurant terlihat rapih");

Insert into message values ("M103","Edy12345","Restaurant nyaman untuk mengerjakan tugas");

Insert into message values ("M104","Gandhim123","Enak buat nongs");

Insert into message values ("M105","Chumaedah012","Restaurant yang dapat memerikan sebuah inspirasi");

Insert into transaksi values ("TR01","11110",12/02/2018,"Lunas");

Insert into transaksi values ("TR02","11110",13/02/2018,"Lunas");

Insert into transaksi values ("TR03","11112",14/02/2018,"Lunas");

Insert into transaksi values ("TR04","11111",14/02/2018,"Lunas");

Insert into transaksi values ("TR05","11111",15/02/2018,"Lunas");

Insert into kehadiran values (01/07/2018,"P101","Hadir");

Insert into kehadiran values (01/07/2018,"P102","Hadir");

Insert into kehadiran values (01/07/2018,"P103","Hadir");

Insert into kehadiran values (01/07/2018,"P104","Hadir");

Insert into kehadiran values (01/07/2018,"P105","Hadir");

Insert into stok_barang values ("BR01","Ayam","Ada");

Insert into stok_barang values ("BR02","Beras","Ada");

Insert into stok_barang values ("BR03","Daging Sapi","Ada");

Insert into stok_barang values ("BR04","Timun","Ada");

Insert into stok_barang values ("BR05","Merica","Ada");

Select id,nama,harga,status from menu; # menampilkan menu yang ada

Select totalharga, id_transaksi from detiltransaksi where id_transaksi in (select id_transaksi from transaksi where id_customer = 'CO123'); # menampilkan semua id_transaksi beserta total harga dari customer 'CO123'