

LAPORAN PRAKTIKUM
PROYEK PENGEMBANGAN BASIS DATA
DB_CAFFESHOP



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DOKUMENTASI AWAL PROYEK PENGEMBANGAN BASIS DATA

SD CAFFESHOP

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DINI AULIA (WAITERS DAN BARISTA)

Alamat Klien

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1. Pendahuluan

1.1. Latar Belakang Proyek

Cafeshop adalah sebuah usaha yang berkembang pesat di kota kami saat ini. Seiring dengan pertumbuhan yang pesat, manajemen menghadapi tantangan dalam mengelola data menu, transaksi dan pelanggan. Selama ini, pengelolaan data dilakukan secara manual menggunakan spreadsheet, yang menyebabkan banyak kendala seperti ketidakakuratan data, proses yang lambat, dan kesulitan dalam pelaporan.

Untuk meningkatkan efisiensi operasional dan pelayanan pelanggan, kami memutuskan untuk mengimplementasikan system database terintegrasi. Data base ini akan mencakup table untuk menu, pelanggan, dan transaksi. Yang akan memungkinkan :

1. pengelolaan menu : mempermudah pembaruan dan pengaturan item menu serta harga secara terpusat.
2. Pencatatan transaksi : mencatat setiap transaksi dengan detail yang akurat, membantu dalam pelacakan penjualan dan analisis performa.
3. Manajemen data pelanggan : menyimpan informasi pelanggan untuk meningkatkan layanan dan mengidentifikasi pola pembelian.

Dengan system ini, “cafeshop” berharap dapat meningkatkan akurasi data, mempercepat proses transaksi, dan memperoleh wawasan yang lebih baik tentang perilaku pelanggan, yang pada akhirnya akan mendukung pertumbuhan dan keputusan pelanggan.

1.2. Tujuan Proyek

Dalam era digital ini, banyak perusahaan menghadapi tantangan dalam mengelola data pelanggan secara efektif. Tujuan dari proyek ini adalah :

1. Untuk memudahkan pengelolaan dan analisis data yang terkait dengan operasional kafe
2. Untuk menganalisis informasi terkait pelayanan pelanggan, inventaris dan transaksi

1.3. Ruang Lingkup Proyek

Termasuk:

- Desain Basis Data

Tidak Termasuk:

- Pengembangan sistem ERP

2. Analisis Kebutuhan

2.1. Kebutuhan Pengguna

- **Pengguna utama** : **Pengelola Café, Kasir, Barista, Staf Gudang**
Kebutuhan : kemampuan untuk memantau hasil laporan keuangan, konfirmasi pesanan, membuat menu, mengelola stok bahan baku.

2.2. Kebutuhan Sistem

- **Teknis** : DBMS yang digunakan mysql, yang berkapasitas penyimpanan, kecepatan akses data.

- **Fungsional** :

1. User story 1 :

- Sebagai pengelola café saya ingin memantau laporan jumlah penjualan di dalam sistem sehingga mempermudah dalam pengelolaan bisnis menjadi lebih efisien.
Kriteria penerimaan : tampilan laporan penjualan (tanggal penjualan, id_transaksi, nama produk, jumlah terjual, harga satuan, total penjualan, metode penjualan, promosi/ diskon)

2. User story 2 :

- Sebagai kasir saya ingin memasukkan pesanan pelanggan ke dalam system sehingga mempercepat dan mempermudah dalam pelaporan penjualan
Kriteria penerimaan : tampilan untuk memasukkan pesanan pelanggan

3. User story 3 :

- Sebagai staf gudang saya ingin memasukkan data bahan baku ke dalam sistem sehingga mempermudah pemantauan stok
Kriteria penerimaan : tampilan untuk memasukan nama dan jumlah bahan baku

4. User story 4 :

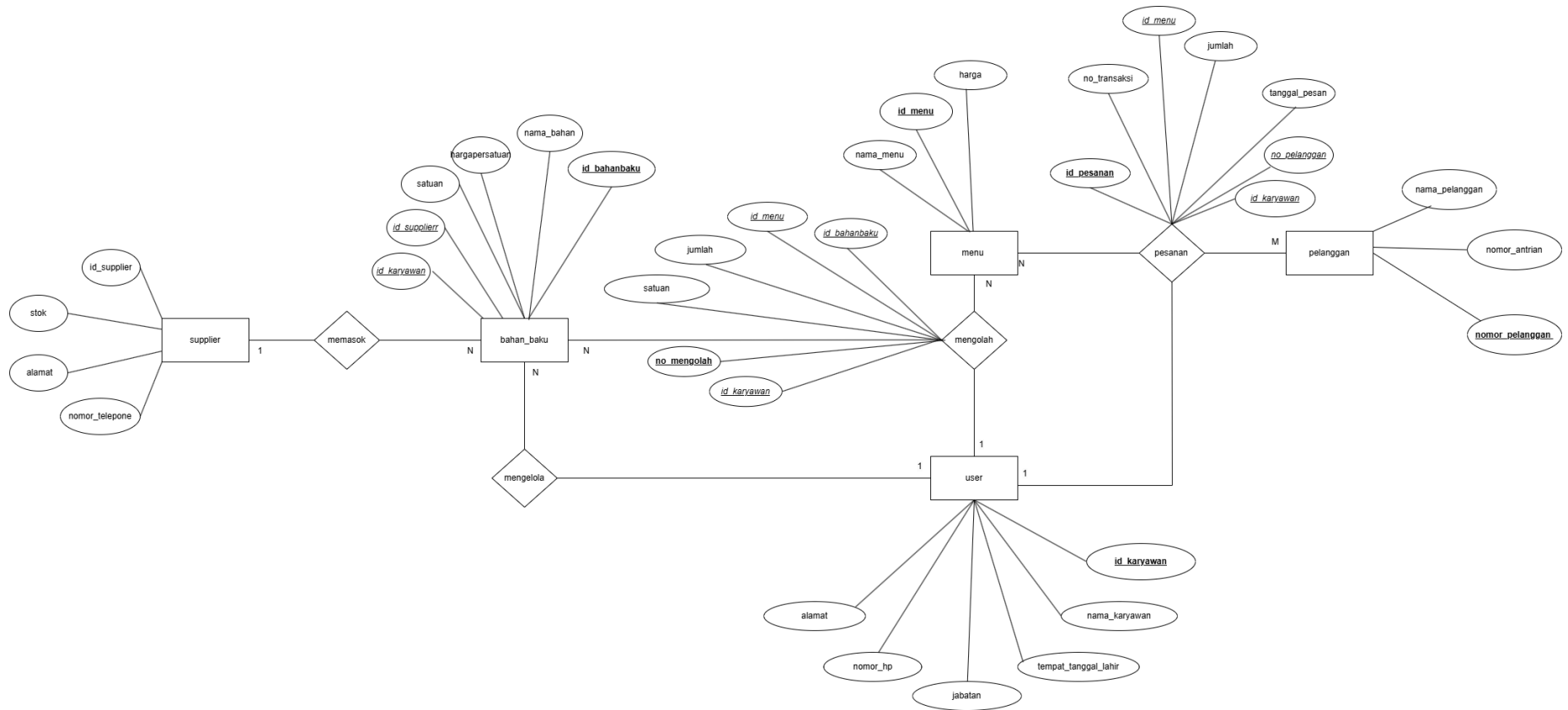
- Sebagai barista saya ingin memasukkan menu baru ke dalam sistem sehingga mempermudah dalam pemesanan.
Kriteria penerimaan : tampilan untuk memasukan menu.

3. Desain Basis Data

3.1. Model Konseptual

- **Entitas:** *karyawan, supplier, pelanggan, menu, bahan baku*
- **Relasi:** 1 karyawan dapat memproses banyak pesanan, banyak menu dapat terdiri dari banyak bahan baku, banyak pelanggan bisa memesan banyak menu, 1 karyawan bisa membuat banyak menu, 1 supplier bisa memasok banyak bahan baku, 1 karyawan bisa mengolah banyak bahan baku.

ERD SISTEM CAFFESHOP



3.2. Model Logis

STRUKTUR TABEL DATABASE CAFESHOP SUGARDADDY

✚ Tabel "kry"

Id_karyawan(pk)	Nama_karyawan	Jabatan	Alamat	TTL	No_hp
2201	Amalia	Barista	Jl. Panjaitan no.20 Madiun	20-12-2000	089723456656
2101	Nanda	Staf gudang	Jl. Ponorogo-Madiun	21-04-2000	098765456787
2001	Annisa	kasir	Jl. Salak no. 25 Madiun	10-10-2000	087654346787
2202	Faris	Pengelola cafe	Jl. Raden Patah no.67 Madiun	12-12-1995	098234567877

✚ Tabel "Bahanbaku"

Id_bahanbaku(pk)	Nama_bahan	Harga_satuan	satuan	Idsupplierr(fk)	Id_karyawan(fk)
1001	Telur	15000	kg	23	2101
1002	Kopi	50000	kg	23	2101
1003	kentang	13000	kg	23	2101

✚ Tabel "Menu"

id_menu(pk)	Nama_menu	Harga_menu
1	Telur kribo	15.000
2	Creamylatte	20.000
3	Kentang goreng	10.000

✚ Tabel "Mengolah"

No_mengolah(pk)	Jumlah	satuan	Id_bahan-baku(fk)	id_menu(fk)	Id_karyawan(fk)
4001	1	gram	1001	1	2201
4002	4	ml	1002	2	2201
4003	5	gram	1003	3	2201

✚ Tabel "pesanan"

id_pesanan(pk)	id_pelanggan(fk)	Id_karyawan(fk)	Id_menu
123	111	2001	1
124	112	2001	2
125	113	2001	3

✚ Tabel "Splr"

Id_supplierr	Nama	Alamat	No_hp
23	Bimo Prawiranata	Jl.Panjaitan no.3 Ponorogo	982345678

🚩 Tabel “plgn”

No_pelanggan(PK)	Nama_pelanggan
111	Lia
112	Pram
113	Fira
114	lia

🚩 Tabel “Antrian” (*Normalisasi*)

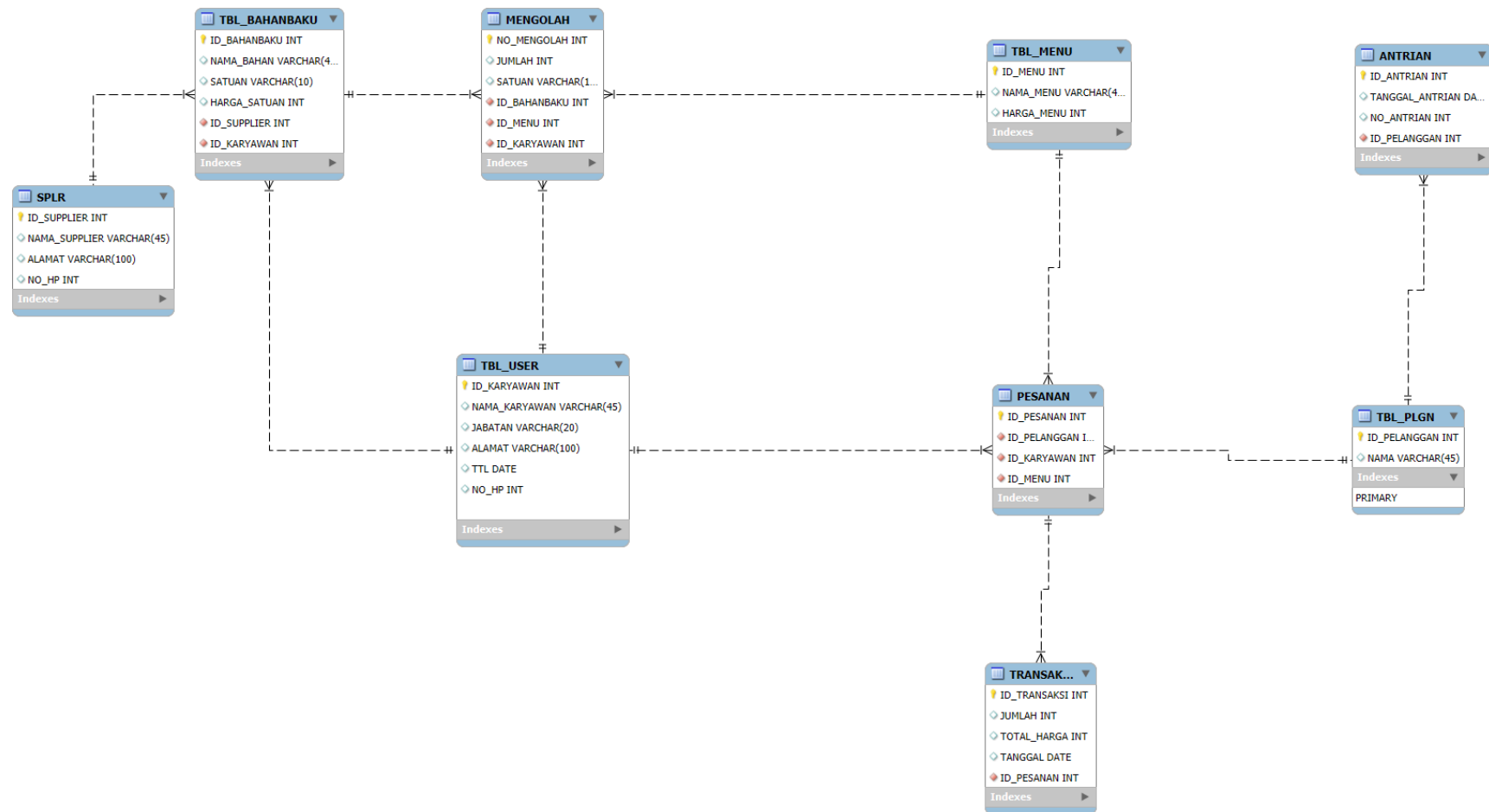
Id_Antrian(pk)	Tanggal_antrian	No_antrian	Id_pelanggan(FK)
130	12-01-2024	20	111
131	12-01-2024	21	112
132	13-01-2024	20	114

🚩 Tabel “Transaksi pesanan” (*Normalisasi*)

id Transaksi(pk)	Jumlah	Total_harga	Tanggal	id_pesanan(fk)
145	1	Rp. 20000	12-01-2024	123
146	2	Rp. 30000	12-01-2024	124
147	5	Rp. 50000	13-01-2024	125

3.3. Model Fisik

DOKUMENTASI DESIGN BASIS DATA





Model fisik : implementasi nyata di sistem basis data

```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3306 -p
MariaDB [db_cafeshop]> create table user (
  -> id_karyawan INT,
  -> nama_karyawan VARCHAR(45),
  -> jabatan VARCHAR(20),
  -> alamat VARCHAR(100),
  -> TTL date,
  -> no_hp INT,
  -> primary key (id_karyawan)
  -> );
Query OK, 0 rows affected (0.157 sec)

MariaDB [db_cafeshop]> Bye

MariaDB [(none)]> use db_cafeshop;
Database changed
MariaDB [db_cafeshop]> show tables;
+-----+
| Tables_in_db_cafeshop |
+-----+
| antrian                |
| bahanbaku              |
| mengolah               |
| menu                   |
| pelanggan              |
| pesanan                |
| supplier               |
| transaksi              |
| user                   |
+-----+
9 rows in set (0.000 sec)

MariaDB [db_cafeshop]> s

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'table supplier' at line 1
MariaDB [db_cafeshop]> desc supplier;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| id_supplier | int(11)   | NO   | PRI | NULL    |       |
| nama_supplier | varchar(45) | YES  |     | NULL    |       |
| alamat      | varchar(100) | YES  |     | NULL    |       |
| no_hp       | int(11)   | YES  |     | NULL    |       |
+-----+
4 rows in set (0.016 sec)

MariaDB [db_cafeshop]> select * from supplier;
+-----+
| id_supplier | nama_supplier | alamat | no_hp |
+-----+
| 23          | Bimo Prawiranata | Jl.Panjaitan no.3 Ponorogo | 982345678 |
+-----+
1 row in set (0.000 sec)

MariaDB [db_cafeshop]> desc user;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| id_karyawan | int(11)   | NO   | PRI | NULL    |       |
| nama_karyawan | varchar(45) | YES  |     | NULL    |       |
| jabatan     | varchar(20) | YES  |     | NULL    |       |
| alamat      | varchar(100) | YES  |     | NULL    |       |
| TTL         | date      | YES  |     | NULL    |       |
| no_hp       | int(11)   | YES  |     | NULL    |       |
+-----+
6 rows in set (0.041 sec)

MariaDB [db_cafeshop]>

MariaDB [db_cafeshop]> select * from bahanbaku;
+-----+
| id_bahanbaku | nama_bahan | satuan | harga_satuan | id_supplier | id_karyawan |
+-----+
| 1001         | telur      | kg      | 15000         | 23          | 2101        |
| 1002         | kopi       | kg      | 50000         | 23          | 2101        |
| 1003         | kentang    | kg      | 13000         | 23          | 2101        |
+-----+
3 rows in set (0.000 sec)

MariaDB [db_cafeshop]>

MariaDB [db_cafeshop]> desc menu;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| id_menu    | int(11)   | NO   | PRI | NULL    |       |
| nama_menu  | varchar(45) | YES  |     | NULL    |       |
| harga_menu | varchar(45) | YES  |     | NULL    |       |
+-----+
3 rows in set (0.013 sec)

XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3306 -p
3 rows in set (0.000 sec)

MariaDB [db_cafeshop]> desc pelanggan;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| id_pelanggan | int(11)   | NO   | PRI | NULL    |       |
| nama         | varchar(45) | YES  |     | NULL    |       |
+-----+
2 rows in set (0.018 sec)

MariaDB [db_cafeshop]> insert into pelanggan(id_pelanggan, nama) values
  -> ( );
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 2
MariaDB [db_cafeshop]> desc mengolah;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| no_mengolah | int(11)   | NO   | PRI | NULL    |       |
| jumlah      | int(11)   | YES  |     | NULL    |       |
| satuan      | varchar(10) | YES  |     | NULL    |       |
| id_bahanbaku | int(11)   | YES  | MUL | NULL    |       |
| id_menu     | int(11)   | YES  | MUL | NULL    |       |
| id_karyawan | int(11)   | YES  | MUL | NULL    |       |
+-----+
6 rows in set (0.011 sec)

MariaDB [db_cafeshop]> desc antrian;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| id_antrian | int(11)   | NO   | PRI | NULL    |       |
| tanggal_antrian | date      | YES  |     | NULL    |       |
| no_antrian | int(11)   | YES  |     | NULL    |       |
| id_pelanggan | int(11)   | YES  | MUL | NULL    |       |
+-----+
4 rows in set (0.013 sec)
```

MariaDB [db_cafeshop]> desc transaksi;

Field	Type	Null	Key	Default	Extra
id_transaksi	int(11)	NO	PRI	NULL	
jumlah	int(11)	YES		NULL	
total harga	varchar(45)	YES		NULL	
tanggal	date	YES		NULL	
id_pesanan	int(11)	YES	MUL	NULL	

5 rows in set (0.013 sec)

MariaDB [db_cafeshop]> desc pesanan;

Field	Type	Null	Key	Default	Extra
id_pesanan	int(11)	NO	PRI	NULL	
id_pelanggan	int(11)	YES	MUL	NULL	
id_karyawan	int(11)	YES	MUL	NULL	
id_menu	int(11)	YES	MUL	NULL	

4 rows in set (0.015 sec)

4. Rencana Pengembangan

4.1. Jadwal Proyek

Susun rencana jadwal pengembangan proyek dengan tahapan utama dan deadline.

<i>Tahapan</i>	<i>Deskripsi</i>	<i>Tanggal Mulai</i>	<i>Tanggal Selesai</i>
<i>Perencanaan</i>	<i>Identifikasi kebutuhan dan ruang lingkup</i>	<i>12/09/2024</i>	<i>26/09/2024</i>
<i>Desain Basis Data</i>	<i>Membuat model ERD dan skema tabel</i>	<i>27/09/2024</i>	<i>03/10/2024</i>
<i>Implementasi</i>	<i>Pengembangan dan konfigurasi basis data</i>	<i>04/10/2024</i>	<i>18/10/2024</i>
<i>Pengujian</i>	<i>Uji coba dan validasi sistem</i>	<i>19/10/2024</i>	<i>31/10/2024</i>
<i>Pelatihan</i>	<i>Pelatihan pengguna dan dokumentasi</i>	<i>01/11/2024</i>	<i>14/11/2024</i>
<i>Implementasi Akhir</i>	<i>Peluncuran sistem dan pemeliharaan awal</i>	<i>15/11/2024</i>	<i>12/12/2024</i>

4.2. Sumber Daya

Daftar sumber daya yang diperlukan untuk proyek, termasuk perangkat keras, perangkat lunak, dan personel.

Perangkat Keras: *Server untuk hosting DBMS.*

Perangkat Lunak: *MySQL, Composer, Xampp, Mysql Workbench*

Personel: *Pengembang basis data, Analis sistem, Staf dukungan teknis.*

5. Manajemen Risiko

5.1. Identifikasi Risiko

Identifikasi risiko potensial yang dapat mempengaruhi proyek dan rencana mitigasi untuk setiap risiko.

Risiko: Keterlambatan pengembangan.

Mitigasi: Tambahkan buffer waktu dan lakukan monitoring rutin.

Risiko: Ketidaksesuaian kebutuhan pengguna.

Mitigasi: Lakukan validasi kebutuhan secara berkala dengan pengguna.

Risiko: Bug atau error dalam sistem.

Mitigasi: Lakukan pengujian rutin dan perbaikan segera.

Risiko: Data hilang atau rusak.

Mitigasi: Terapkan sistem backup dan recovery data.

Risiko: Masalah keamanan data.

Mitigasi: Terapkan enkripsi data dan pembatasan akses.

5.2. Rencana Kontingensi

Strategi untuk menangani risiko yang teridentifikasi jika risiko tersebut terjadi.

- **Jika ada keterlambatan pengembangan**

Tambahkan sumber daya tambahan atau revisi jadwal proyek untuk mengejar ketertinggalan.

- **Jika kebutuhan pengguna tidak tercapai**

Lakukan pertemuan lebih intens dengan pengguna dan sesuaikan sistem berdasarkan kebutuhan yang lebih jelas.

- **Jika ada bug atau error dalam sistem**

Fokuskan tim untuk debugging dan segera lakukan perbaikan untuk menjaga kestabilan sistem.

- **Jika data hilang atau rusak**

Gunakan backup data terbaru dan lakukan recovery untuk memastikan data kembali aman dan terjaga.

- **Jika terjadi masalah dengan keamanan data**

Segera perbaiki sistem keamanan, laporkan potensi kebocoran, dan lakukan audit untuk memperkuat perlindungan data.

6. Penutup

6.1. Kesimpulan

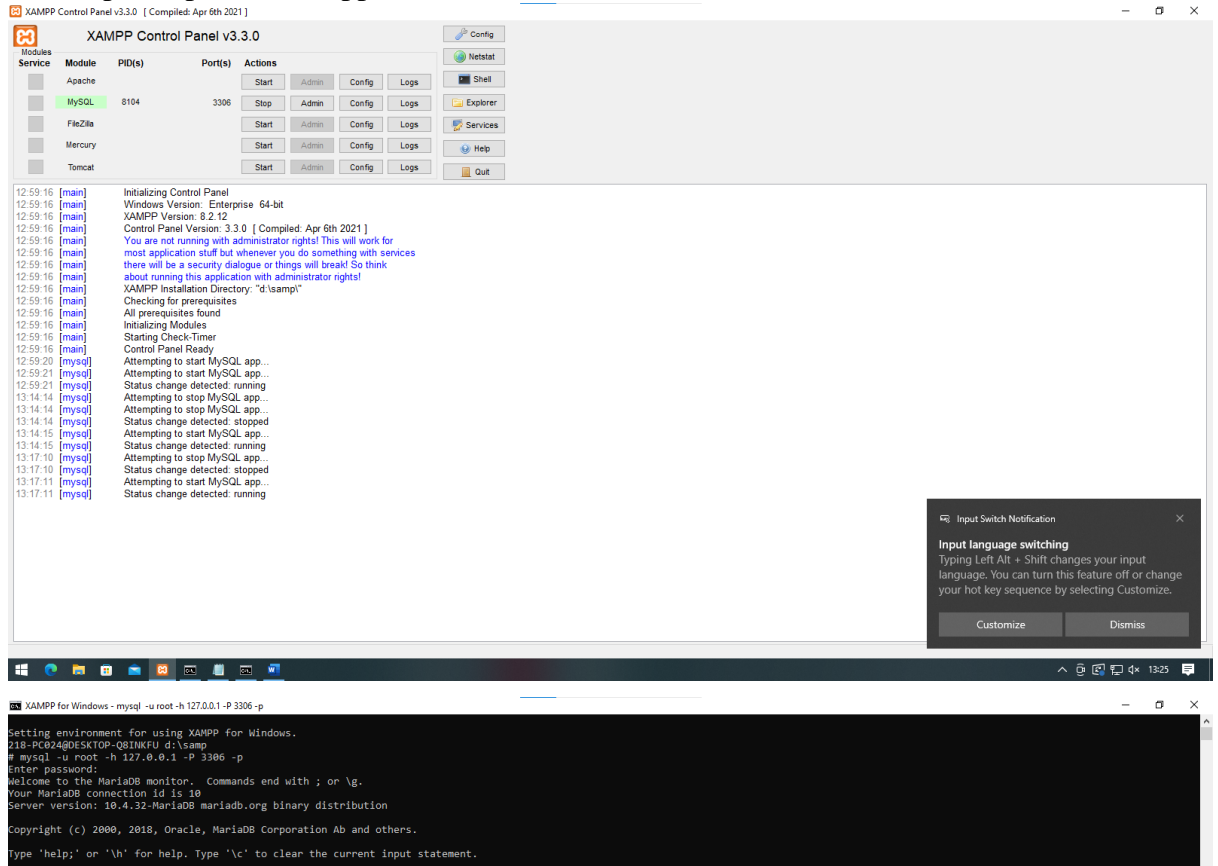
Proyek ini bertujuan untuk mengembangkan sistem basis data yang dapat memudahkan pengelolaan dan analisis data yang terkait dengan operasional *Caffeshop*. Sistem ini akan memfasilitasi analisis informasi terkait pelayanan pelanggan, inventaris, dan transaksi, sehingga mempermudah pengambilan keputusan yang lebih efisien dan berbasis data. Dengan adanya sistem ini, diharapkan dapat meningkatkan efisiensi operasional kafe, mengelola inventaris dengan lebih baik, serta menyediakan data yang lebih akurat dan real-time untuk analisis pelayanan pelanggan dan transaksi. Hasil akhir yang diharapkan adalah terciptanya sistem yang handal yang mampu mendukung kelancaran operasional dan memperbaiki layanan kepada pelanggan.

6.2. Dokumentasi Tambahan

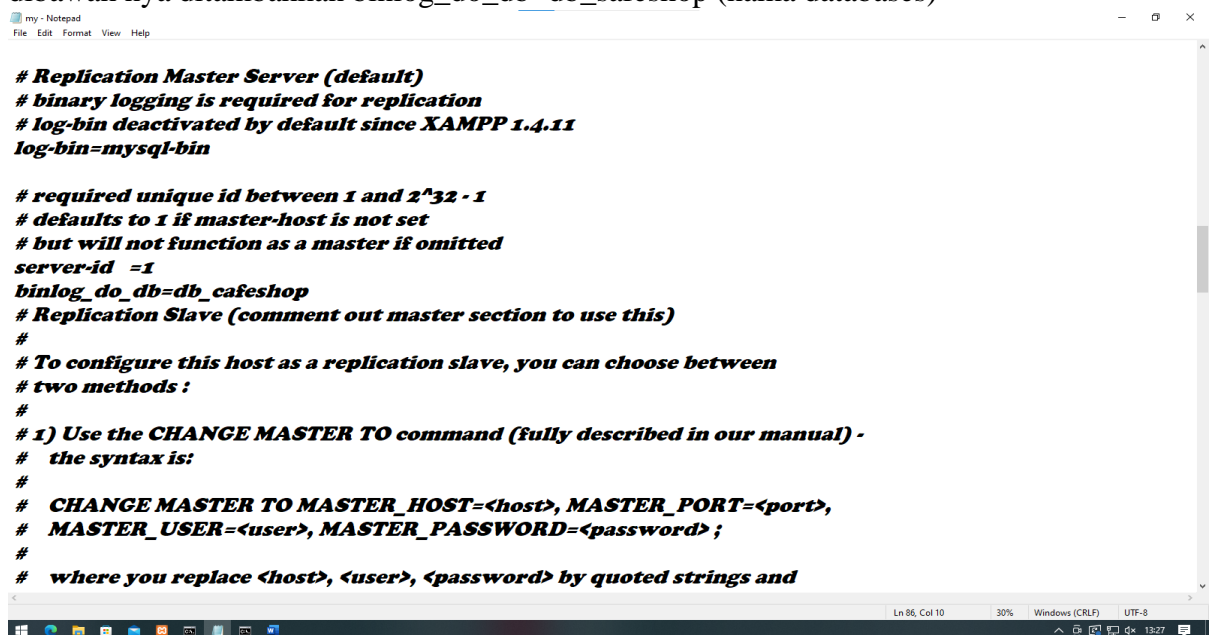
Panduan pengguna

1. User pengguna 2 (master/admin)

- Masuk pada aplikasi Xampp>buka>klik start>shell



- Klik my.ini untuk menghapus # pada log-bin=mysql-bin dan pada server-id = 1, lalu dibawah nya ditambahkan binlog_do_db=db_safeshop (nama databases)



- Membuat user untuk pengguna 3 lalu grant replication slave on

```
MariaDB [(none)]>
MariaDB [(none)]> create user 'repamal'@'%' identified by '00998877';
Query OK, 0 rows affected (0.027 sec)

MariaDB [(none)]> grant replication slave on *.* to 'repamal'@'%';
Query OK, 0 rows affected (0.028 sec)

MariaDB [(none)]> show master status;
Empty set (0.000 sec)

MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.001 sec)
```

- Show master

```
MariaDB [(none)]>
MariaDB [(none)]> show master status;
ERROR 2006 (HY000): MySQL server has gone away
No connection. Trying to reconnect...
Connection id: 0
Current database: *** NONE ***

+-----+-----+-----+-----+
| File | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+-----+-----+-----+-----+
| mysql-bin.000001 | 328 | | |
+-----+-----+-----+-----+
1 row in set (0.002 sec)

MariaDB [(none)]> _
```

- Mengecek ip config digunakan untuk user ke 3 login

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.5011]
(c) Microsoft Corporation. All rights reserved.

C:\Users\218-PC024>ip config
'ip' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\218-PC024>ipconfig
Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix . : 
    Link-local IPv6 Address . . . . . : fe80::58d7:6de4:efa3:9649%2
    IPv4 Address. . . . . : 10.252.1.104
    Subnet Mask . . . . . : 255.255.254.0
    Default Gateway . . . . . : 10.252.0.1

C:\Users\218-PC024>_
```

- Membuat user untuk pengguna 3 sebagai pengembang

```
MariaDB [(none)]> create user 'pengdhea'@'%' identified by '12345';
Query OK, 0 rows affected (0.028 sec)
```

- Memberikan hak akses untuk user 3 pengembang > grant all privileges

```
at line 1
MariaDB [(none)]> grant all privileges on db_cafeshop.* to 'pengdhea'@'%';
Query OK, 0 rows affected (0.032 sec)

MariaDB [(none)]> show grants for pengdhea;
+-----+-----+-----+-----+
| Grants for pengdhea@% |
+-----+-----+-----+-----+
| GRANT USAGE ON *.* TO 'pengdhea'@'%' IDENTIFIED BY PASSWORD '*0BA51F3F48415C7D4E8908980D443C29C09B60C9' |
| GRANT ALL PRIVILEGES ON `db_cafeshop`.* TO 'pengdhea'@'%' |
+-----+-----+-----+-----+
2 rows in set (0.000 sec)

MariaDB [(none)]>
```

- Membuat database

```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3306 -p
1 row in set (0.000 sec)

MariaDB [(none)]> create database db_cafeshop;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| db_cafeshop |
| db_penjualan |
| dbachmad |
| dbpegawai |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| tbl_pegawai |
| test |
+-----+
10 rows in set (0.024 sec)
```

- Membuat table

```
MariaDB [(none)]> use db_cafeshop;
Database changed
MariaDB [db_cafeshop]> show tables;
+-----+
| Tables_in_db_cafeshop |
+-----+
| antrian |
| bahanbaku |
| mengolah |
| menu |
| pelanggan |
| pesanan |
| supplier |
| transaksi |
| user |
+-----+
9 rows in set (0.000 sec)

MariaDB [db_cafeshop]> s
```

Query membuat table : Create table nama table(

Nama column type data,

Primary key(pk),

Foreign key(fk) references tabel(fk)

);

- Menambahkan data pada table yang telah di buat

```
MariaDB [db_cafeshop]> insert into user(id_karyawan, nama_karyawan, jabatan, alamat, TTL, no_hp) values
-> (2201, 'Amalia', 'barista', 'Jl.Panjaitan no.20 Madiun', '2000-12-20', '089723456656'),
-> (2101, 'nanda', 'staf gudang', 'Jl.Ponorogo-Madiun', '2000-04-21', '090765456787'),
-> (2301, 'annisa', 'kasir', 'Jl.Salak no.25 Madiun', '2000-10-10', '087654346787'),
-> (2001, 'Faris', 'pengelola cafe', 'Jl.Raden patah no.67 Madiun', '1995-12-12', '098234567877');
Query OK, 4 rows affected, 4 warnings (0.082 sec)
Records: 4 Duplicates: 0 Warnings: 4
```

```
MariaDB [db_cafeshop]> select * from user;
```

id_karyawan	nama_karyawan	jabatan	alamat	TTL	no_hp
2001	faris	pengelola cafe	Jl.Raden patah no.67 Madiun	1995-12-12	2147483647
2101	nanda	staf gudang	Jl.Ponorogo-Madiun	2000-04-21	2147483647
2201	amalia	barista	Jl.Panjaitan no.20 Madiun	2000-12-20	2147483647
2301	annisa	kasir	Jl.Salak no.25 Madiun	2000-10-10	2147483647

4 rows in set (0.000 sec)

```
MariaDB [db_cafeshop]> desc user;
```

Field	Type	Null	Key	Default	Extra
id_karyawan	int(11)	NO	PRI	NULL	
nama_karyawan	varchar(45)	YES		NULL	
jabatan	varchar(20)	YES		NULL	
alamat	varchar(100)	YES		NULL	
TTL	date	YES		NULL	
no_hp	int(11)	YES		NULL	

6 rows in set (0.041 sec)

```
MariaDB [db_cafeshop]>
```

- Rename nama table

```
MariaDB [db_cafeshop]> rename table user to kry;
Query OK, 0 rows affected (0.109 sec)
```

```
MariaDB [db_cafeshop]> show tables;
```

Tables_in_db_cafeshop
antrian
bahanbaku
kry
mengolah
menu
pesanan
plgn
supplier
transaksi

9 rows in set (0.000 sec)

```
MariaDB [db_cafeshop]> rename table supplier to splr;
Query OK, 0 rows affected (0.138 sec)
```

```
MariaDB [db_cafeshop]> show table;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

```
MariaDB [db_cafeshop]> show tables;
```

Tables_in_db_cafeshop
antrian
bahanbaku
kry
mengolah
menu
pesanan
plgn
splr
transaksi

9 rows in set (0.000 sec)

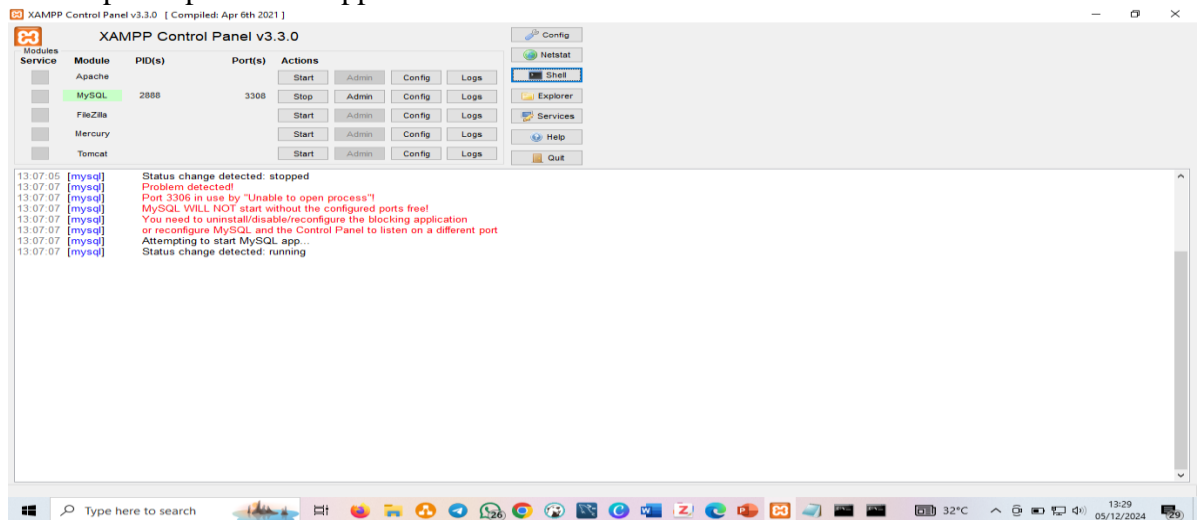
```
MariaDB [db_cafeshop]> desc plgn;
```

Field	Type	Null	Key	Default	Extra
id_pelanggan	int(11)	NO	PRI	NULL	
nama	varchar(45)	YES		NULL	

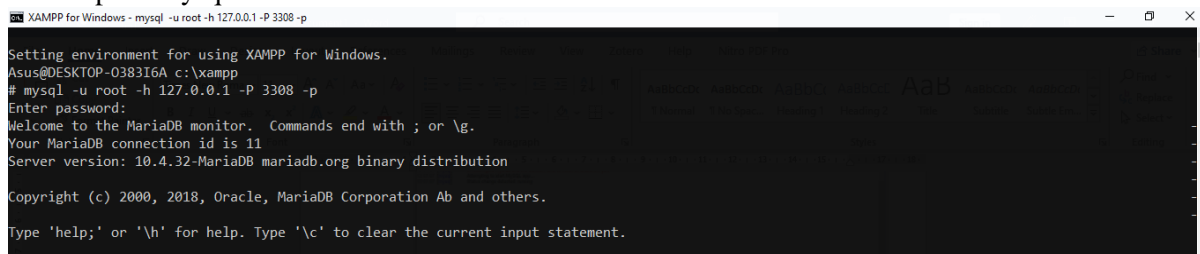
2 rows in set (0.016 sec)

2. User pengguna 3 (slave/replica)

- Masuk pada aplikasi Xampp>buka>klik start>shell



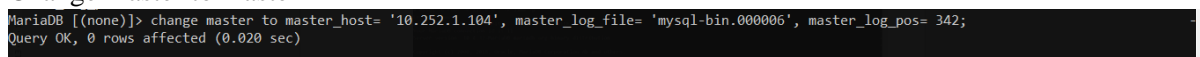
- Masuk pada mysql



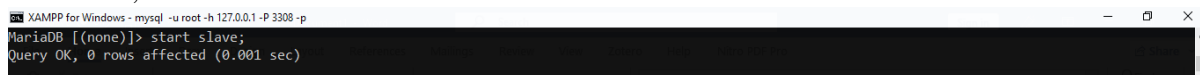
- Stop slave status;



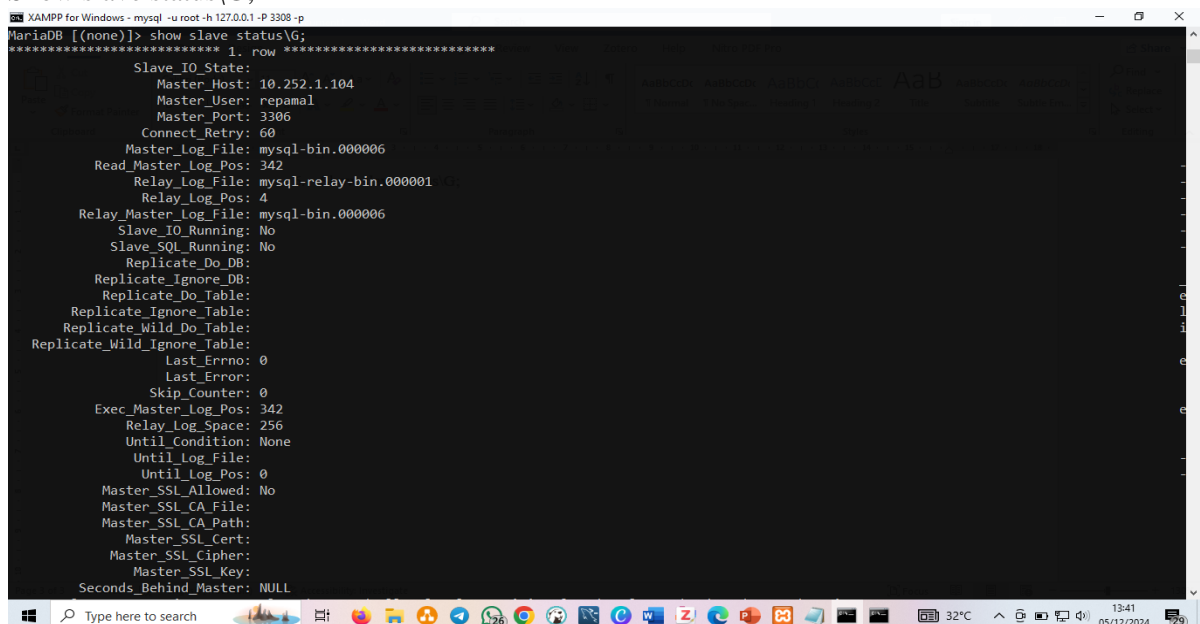
- Change master to master



- Start slave;



- Show slave status\G;



- Cek dan masuk ke database “db_cafeshop” yang telah dibuat user 2(master)

```
XAMPP for Windows - mysql -u root -h 127.0.0.1 -P 3308 -p
mysql -u root -h 127.0.0.1 -P 3308 -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 14
Server version: 10.4.32-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| 079_nanda |
| db_cafeshop |
| db_proyek |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
8 rows in set (0.002 sec)

MariaDB [(none)]> use db_cafeshop;
Database changed
```

- Lihat table yang telah dibuat oleh user 2(master)

```
MariaDB [db_cafeshop]> show tables;
+-----+
| Tables_in_db_cafeshop |
+-----+
| antrian |
| bahanbaku |
| mengolah |
| menu |
| pelanggan |
| pesanan |
| supplier |
| transaksi |
| user |
+-----+
9 rows in set (0.004 sec)
```

3. User pengguna 1(composer/pengembang)

- Masuk ke CMD

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.5131]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>composer

Composer version 2.8.3 2024-11-17 13:13:04

Usage:
  command [options] [arguments]

Options:
  -h, --help                Display help for the given command. When no command is given display help for the list command
  -q, --quiet                Do not output any message
  -V, --version              Display this application version
  --ansi|--no-ansi           Force (or disable --no-ansi) ANSI output
  -n, --no-interaction       Do not ask any interactive question
  --profile                  Display timing and memory usage information
  --no-plugins               Whether to disable plugins.
  --no-scripts               Skips the execution of all scripts defined in composer.json file.
  -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.
  --no-cache                 Prevent use of the cache
  -v|vv|vvv, --verbose      Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

Available commands:
  about               Shows a short information about Composer
  archive              Creates an archive of this composer package
  audit               Checks for security vulnerability advisories for installed packages
  browse              [home] Opens the package's repository URL or homepage in your browser
  bump                Increases the lower limit of your composer.json requirements to the currently installed versions
  check-platform-reqs Check that platform requirements are satisfied
  clear-cache          [clearcache|cc] Clears composer's internal package cache
  completion          Dump the shell completion script
  config              Sets config options
  create-project       Creates new project from a package into given directory
  depends              [why] Shows which packages cause the given package to be installed
  diagnose             Diagnoses the system to identify common errors
  dump-autoload        [dumpautoload] Dumps the autoloader
  exec                 Executes a vendored binary/script
  fund                 Discover how to help fund the maintenance of your dependencies
```

➤ Install Composer basic

```
C:\WINDOWS\system32\cmd.exe

create-project [-s|--stability STABILITY] [--prefer-source] [--prefer-dist] [--prefer-install PREFER-INSTALL] [--repository REPOSITORY] [--repository-url REPOSITORY-URL]
  [-i|--add-repository] [--dev] [--no-dev] [--no-custom-installers] [--no-scripts] [--no-progress] [--no-secure-http] [--keep-vcs] [--remove-vcs] [--no-install] [--no-audit]
  [-a|--audit-format AUDIT-FORMAT] [--ignore-platform-req IGNORE-PLATFORM-REQ] [--ignore-platform-reqs] [--ask] [--] <package> [<directory> [<version>]]

C:\Users\User>composer create-project --prefer-dist yiisoft/yii2-app-basic basic
Creating a "yiisoft/yii2-app-basic" project at "./basic"
Installing yiisoft/yii2-app-basic (2.0.51)
- Installing yiisoft/yii2-app-basic (2.0.51): Extracting archive
Created project in C:\Users\User\basic
Loading composer repositories with package information
Updating dependencies
Lock file operations: 83 installs, 0 updates, 0 removals
- Locking behat/gherkin (v4.10.0)
- Locking bower-asset/bootstrap (v5.3.3)
- Locking bower-asset/inputmask (5.0.9)
- Locking bower-asset/jquery (3.7.1)
- Locking bower-asset/punycode (v2.3.1)
- Locking bower-asset/yii2-pjax (2.0.8)
- Locking cebe/markdown (1.2.1)
- Locking codeception/codeception (5.1.2)
- Locking codeception/lib-asserts (2.1.0)
- Locking codeception/lib-innerbrowser (4.0.5)
- Locking codeception/lib-web (1.0.6)
- Locking codeception/module-asserts (3.0.0)
- Locking codeception/module-filesystem (3.0.1)
- Locking codeception/module-yii2 (1.1.10)
- Locking codeception/stub (4.1.3)
- Locking codeception/verify (3.2.0)
- Locking doctrine/lexer (3.0.1)
- Locking egulias/email-validator (4.0.2)
- Locking ezyang/htmlpurifier (v4.18.0)
- Locking fakerphp/faker (v1.24.1)
- Locking guzzlehttp/psr7 (2.7.0)
- Locking masterminds/html5 (2.9.0)
- Locking myclabs/deep-copy (1.12.1)
- Locking nikic/php-parser (v5.3.1)
- Locking paragonie/random_compat (v9.99.100)
- Locking phar-io/manifest (2.0.4)
- Locking phar-io/version (3.2.1)
- Locking phpspec/php-diff (v1.1.3)
- Locking phpunit/php-code-coverage (11.0.7)
- Locking phpunit/php-file-iterator (5.1.0)
- Installing symfony/service-contracts (v3.5.1): Extracting archive
- Installing symfony/console (v7.1.9): Extracting archive
- Installing psy/psysh (v0.12.4): Extracting archive
- Installing codeception/stub (4.1.3): Extracting archive
- Installing codeception/lib-asserts (2.1.0): Extracting archive
- Installing codeception/codeception (5.1.2): Extracting archive
- Installing codeception/module-asserts (3.0.0): Extracting archive
- Installing codeception/module-filesystem (3.0.1): Extracting archive
- Installing masterminds/html5 (2.9.0): Extracting archive
- Installing symfony/dom-crawler (v7.1.9): Extracting archive
- Installing symfony/browser-kit (v6.4.13): Extracting archive
- Installing codeception/lib-innerbrowser (4.0.5): Extracting archive
- Installing codeception/module-yii2 (1.1.10): Extracting archive
- Installing codeception/verify (3.2.0): Extracting archive
- Installing symfony/polyfill-intl-idn (v1.31.0): Extracting archive
- Installing doctrine/lexer (3.0.1): Extracting archive
- Installing egulias/email-validator (4.0.2): Extracting archive
- Installing ezyang/htmlpurifier (v4.18.0): Extracting archive
- Installing paragonie/random_compat (v9.99.100): Extracting archive
- Installing psr/log (3.0.2): Extracting archive
- Installing symfony/mime (v7.1.6): Extracting archive
- Installing yiisoft/yii2 (2.0.51): Extracting archive
- Installing bower-asset/bootstrap (v5.3.3): Extracting archive
- Installing yiisoft/yii2-bootstrap (2.0.4): Extracting archive
- Installing yiisoft/yii2-debug (2.1.25): Extracting archive
- Installing fakerphp/faker (v1.24.1): Extracting archive
- Installing yiisoft/yii2-faker (2.0.5): Extracting archive
- Installing phpspec/php-diff (v1.1.3): Extracting archive
- Installing yiisoft/yii2-gii (2.2.6): Extracting archive
- Installing symfony/mailer (v7.1.6): Extracting archive
- Installing yiisoft/yii2-symfonymailer (2.0.4): Extracting archive
23 package suggestions were added by new dependencies, use "composer suggest" to see details.
Generating autoload files
64 packages you are using are looking for funding.
Use the "composer fund" command to find out more!
No security vulnerability advisories found.
> yii\composer\Installer::postCreateProject
chmod("runtime", 0777)...done.
chmod("web/assets", 0777)...done.
chmod("yii", 0755)...done.
> yii\composer\Installer::postInstall

C:\Users\User>
```

➤ Masuk ke Compser Notpad tambahin tanda ‘,’ di bagian akhir

```
"require-dev": {
    "yiisoft/yii2-debug": "~2.1.0",
    "yiisoft/yii2-gii": "~2.2.0",
    "yiisoft/yii2-faker": "~2.0.0",
    "codeception/codeception": "^5.0.0 || ^4.0",
    "codeception/lib-innerbrowser": "^4.0 || ^3.0 || ^1.1",
    "codeception/module-asserts": "^3.0 || ^1.1",
    "codeception/module-yii2": "^1.1",
    "codeception/module-filesystem": "^3.0 || ^2.0 || ^1.1",
    "codeception/verify": "^3.0 || ^2.2",
    "symfony/browser-kit": "^6.0 || >=2.7 <=4.2.4",
```

➤ Update Composer

```
C:\Users\User>cd basic
C:\Users\User\basic>composer update
Loading composer repositories with package information
Updating dependencies
Nothing to modify in lock file
Writing lock file
Installing dependencies from lock file (including require-dev)
Nothing to install, update or remove
Generating autoload files
24 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
No security vulnerability advisories found.
C:\Users\User\basic>
```

➤ Masuk ke db Notepad yang telah di buat oleh user 2

```
db - Notepad
File Edit Format View Help
<?php

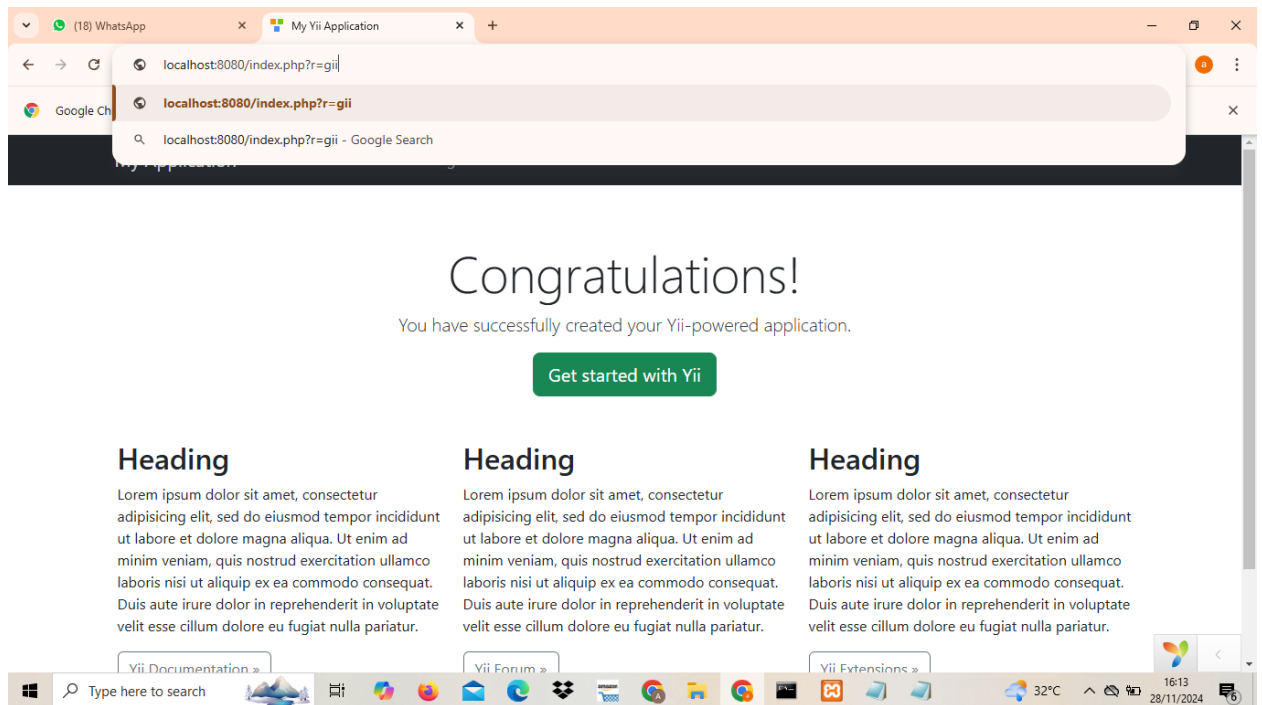
return [
    'class' => 'yii\db\Connection',
    'dsn' => 'mysql:host=10.252.1.104:3306;dbname=db_cafeshop',
    'username' => 'pengdhea',
    'password' => '12345',
    'charset' => 'utf8',

    // Schema cache options (for production environment)
    //'enableSchemaCache' => true,
    //'schemaCacheDuration' => 60,
    //'schemaCache' => 'cache',
];
```

➤ php yii serve

```
C:\Users\User\basic>php yii serve
Server started on http://localhost:8080/
Document root is "C:\Users\User\basic\web"
Quit the server with CTRL-C or COMMAND-C.
[Thu Nov 28 15:48:51 2024] PHP 8.2.12 Development Server (http://localhost:8080) started
[Thu Nov 28 15:50:36 2024] [::1]:65015 Accepted
[Thu Nov 28 15:52:23 2024] [::1]:65015 [200]: GET /
[Thu Nov 28 15:52:24 2024] [::1]:65015 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65016 Accepted
[Thu Nov 28 15:52:24 2024] [::1]:65022 Accepted
[Thu Nov 28 15:52:24 2024] [::1]:65016 Closed without sending a request; it was probably just an unused speculative preconnection
[Thu Nov 28 15:52:24 2024] [::1]:65016 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65022 [200]: GET /assets/f38212c/dist/css/bootstrap.css
[Thu Nov 28 15:52:24 2024] [::1]:65022 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65023 Accepted
[Thu Nov 28 15:52:24 2024] [::1]:65024 Accepted
[Thu Nov 28 15:52:24 2024] [::1]:65023 [200]: GET /css/site.css
[Thu Nov 28 15:52:24 2024] [::1]:65025 Accepted
[Thu Nov 28 15:52:24 2024] [::1]:65024 [200]: GET /assets/2e4c7276/jquery.js
[Thu Nov 28 15:52:24 2024] [::1]:65026 Accepted
[Thu Nov 28 15:52:24 2024] [::1]:65025 [200]: GET /assets/f38212c/dist/js/bootstrap.bundle.js
[Thu Nov 28 15:52:24 2024] [::1]:65026 [200]: GET /assets/9d6f14b6/yii.js
[Thu Nov 28 15:52:24 2024] [::1]:65023 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65024 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65025 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65026 Closing
[Thu Nov 28 15:52:24 2024] [::1]:65027 Accepted
[Thu Nov 28 15:52:28 2024] [::1]:65027 [200]: GET /index.php?r=debug%2Fdefault%2Ftoolbar&tag=67482ef10b0c4
[Thu Nov 28 15:52:28 2024] [::1]:65027 Closing
[Thu Nov 28 15:52:28 2024] [::1]:65028 Accepted
[Thu Nov 28 15:52:28 2024] [::1]:65028 [200]: GET /favicon.ico
[Thu Nov 28 15:52:28 2024] [::1]:65028 Closing
```

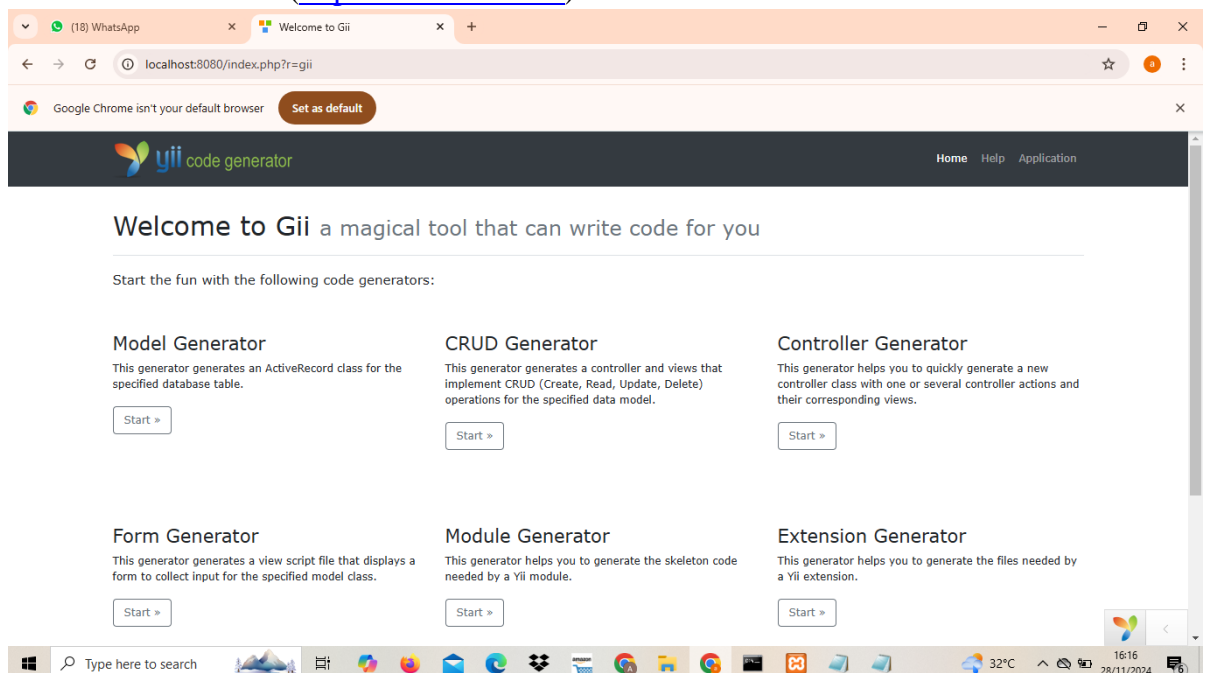
➤ Masuk ke web server (<http://localhost:8080>)



- Masuk ke web server (<http://localhost:8080/index.php?r=gii>)
- Masuk ke CMD Ketik “cd basic”



- Selanjutnya ketik ketik “php yii serve”
- Masuk ke web server (<http://localhost:8080>)



➤ Masuk ke Model Generator

Model Generator

This generator generates an ActiveRecord class for the specified database table.

Database Connection ID

db

☐ Use Table Prefix

☒ Use Schema Name

Table Name

antrian
bahanbaku
mengolah
menu
pelanggan
pesanan
supplier
transaksi
user

☐ Standardize Capitals

☐ Singularize

Model Class Name

Namespace

app/models

Base Class

➤ Masuk ke Table yang telah dibuat oleh User 2

My Application

Home About Contact Login

Home / Plgns

Create Plgn

Showing 1-4 of 4 items.

#	Id Pelanggan	Nama	
1	111	lia	
2	112	pram	
3	113	fira	
4	114	lia	

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Powered by [Yii Framework](#)

➤ Masuk ke CRUD Generator

The screenshot displays the Yii2 CRUD Generator web application interface. The browser's address bar shows the URL `localhost:8080/index.php?r=gii%2Fdefault%2Fview&id=crud`. The application header includes the Yii2 logo and navigation links for Home, Help, and Application.

On the left, a sidebar menu lists various generators: Model Generator, **CRUD Generator** (highlighted), Controller Generator, Form Generator, Module Generator, and Extension Generator.

The main content area is titled "CRUD Generator" and includes a description: "This generator generates a controller and views that implement CRUD (Create, Read, Update, Delete) operations for the specified data model." Below this, several configuration fields are visible:

- Model Class:** `app\models\splr`
- Search Model Class:** `app\models\splrSearch`
- Controller Class:** `app\controllers\SplrController`
- View Path:** (empty field)
- Base Controller Class:** `yii\web\Controller`
- Widget Used in Index Page:** `GridView`

Below these fields, there are checkboxes for ☐ Enable I18N and ☒ Enable Pjax. The **Code Template** section shows the default path: `C:\Users\User\basic\vendor\yiisoft\yii2-gii\src\generators\crud\default`. A **Preview** button is located below the code template.

The bottom section of the interface displays a message: "The code has been generated successfully." Below this message, a list of generated files is shown:

```
Generating code using template "C:\Users\User\basic\vendor\yiisoft\yii2-gii\src\generators\crud\default"...
overwrote controllers\SplrController.php
generated models\splrSearch.php
overwrote views\splr\_form.php
overwrote views\splr\_search.php
overwrote views\splr\_create.php
overwrote views\splr\_index.php
overwrote views\splr\_update.php
overwrote views\splr\_view.php
```

➤ Masuk ke web server <http://localhost:8080/index.php?r=splr>

(26) WhatsApp

CRUD Generator

Introducing ChatGPT | OpenAI

Splr

localhost:8080/index.php?r=splr

My Application

Home

About

Contact

Login

[Home](#) / Splrs

Splr

Create Splr

Showing 1-1 of 1 item.

#	Id Supplier	Nama Supplier	Alamat	No Hp	
1	23	Bimo Prawiranata	jl.Panjaitan no.3 Ponorogo	982345678	View Edit Delete

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Type here to search

28°C

18:19

05/12/2024