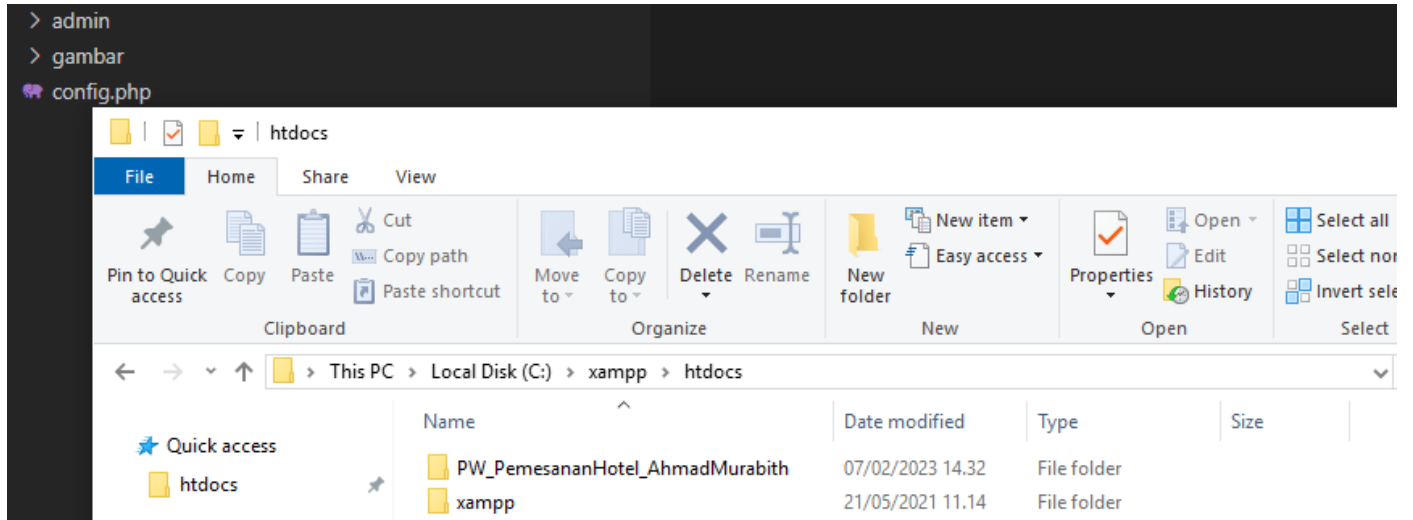


PEMROGRAMAN WEB

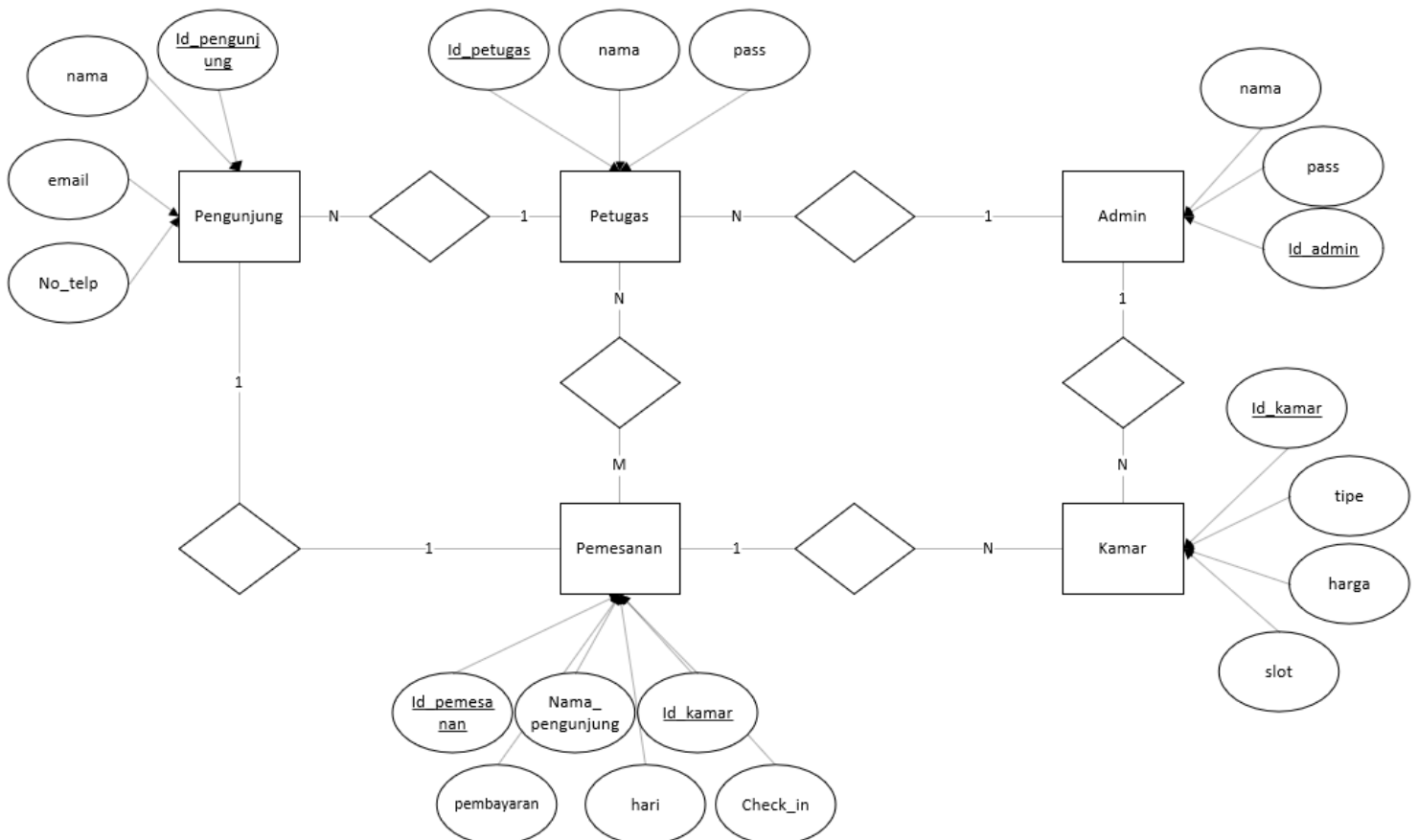
Ahmad Murabith A.S

1. Uji Kompetensi 5 (Folder proyek)



2. Uji Kompetensi 6 (Struktur Data)

a. ERD



b. Kamus Data

1) Admin

Field	Data type	Key	Desc
Id_admin	Int(11)	Primary	Id admin
nama	Varchar(10)	-	Nama admin
pass	Varchar(10)	-	Password admin

2) Petugas

Field	Data type	Key	Desc
Id_petugas	Int(11)	Primary	Id petugas
nama	Varchar(10)	-	Nama petugas
pass	Varchar(10)	-	Password petugas

3) Pengunjung

Field	Data type	Key	Desc
Id_pengunjung	Int(11)	Primary	Id pengunjung
nama	Varchar(10)	-	Nama pengunjung
email	Varchar(20)	-	Email pengunjung
pass	Varchar(10)	-	Password pengunjung

4) log

Field	Data type	Key	Desc
Id_log	Int(11)	Primary	Id log
aksi	Varchar(20)	-	Aksi yang dilakukan
time	Date	-	Waktu aksi masuk

5) Kamar

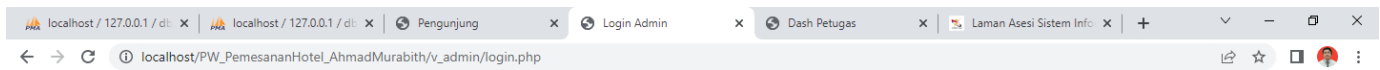
Field	Data type	Key	Desc
Id_kamar	Int(11)	Primary	Id petugas
tipe	Varchar(10)	-	Tipe kamar
harga	Int(11)	-	Harga kamar
slot	Int(11)	-	Slot kamar


6) Pemesanan

Field	Data type	Key	Desc
Id_pemesanan	Int(11)	Primary	Id pemesanan
Nama_pengunjung	Varchar(10)	-	Nama pengunjung
Id_kamar	Int(11)	-	Id kamar (tabel kamar)
pembayaran	Int(15)	-	Uang bayar
hari	Int(15)	-	Hari menginap
Check_in	date	-	Tanggal check in

3. Uji Kompetensi 7 (UI)

a. Login





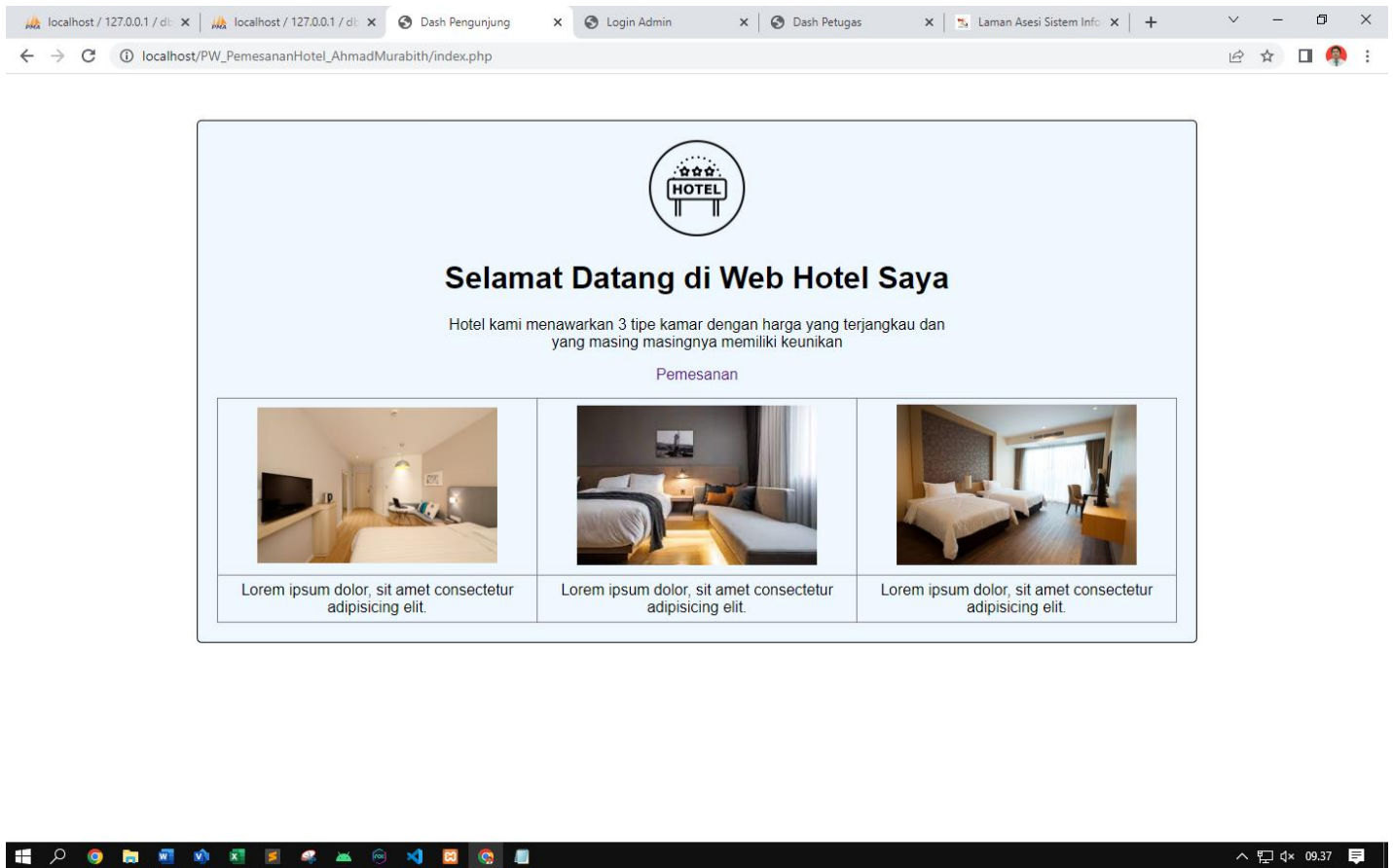
Login Admin

Nama

Password



b. Front Page



c. Dashboard



Dash Petugas

[Pemesanan](#) [Logout](#)

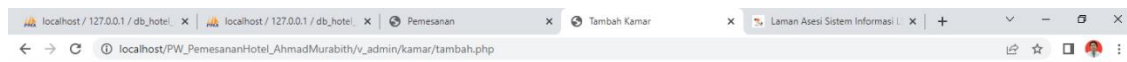
Tabel Pengunjung

[Tambah](#)

No	Nama Pengunjung	Email	Telpon	Aksi
1	Asd	asd@gmail.com	213212344	Edit Delete
2	qwe	qwe@gmail.com	41434133	Edit Delete
3	Saya	saya@gmail.com	345335224	Edit Delete



d. Crud



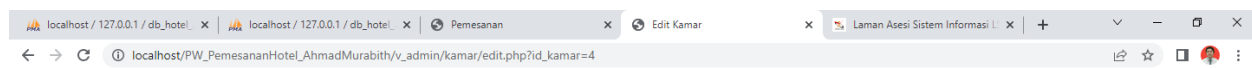
Tambah Kamar

Tipe Kamar :

Harga Kamar :

Slot Kamar :

[Go Back](#)



Edit Kamar

Tipe Kamar :

Harga Kamar :

Slot Kamar :

[Go Back](#)



4. Uji Kompetensi 8 (Membuat DB)

a. Database & Tabel

The screenshot shows the phpMyAdmin interface for the database `db_hotel_ahmadmurabith`. The left sidebar displays the database structure, including tables like `admin`, `kamar`, `log`, `pemesanan`, `pengunjung`, `petugas`, and `struk`. The main panel shows the 'Structure' tab for the database, listing the tables and their properties.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> <code>admin</code>		3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> <code>kamar</code>		3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> <code>log</code>		49	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> <code>pemesanan</code>		7	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> <code>pengunjung</code>		3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> <code>petugas</code>		3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> <code>struk</code>		~0	View	---	-	-
7 tables	Sum	~68	InnoDB	utf8mb4_general_ci	128.0 KiB	0 B

b. Relasi

The screenshot shows the phpMyAdmin database designer interface for the database `db_hotel_ahmadmurabith`. The central area displays the relationships between tables. The tables and their fields are:

- db_hotel_ahmadmurabith.kamar**:
 - `id_kamar`: int(11) (Primary Key)
 - `tipe`: varchar(10)
 - `harga`: int(11)
 - `slot`: int(11)
- db_hotel_ahmadmurabith.admin**:
 - `id_admin`: int(11) (Primary Key)
 - `nama`: varchar(10)
 - `pass`: varchar(10)
- db_hotel_ahmadmurabith.log**:
 - `id_log`: int(11) (Primary Key)
 - `aksi`: varchar(15)
 - `time`: date
- db_hotel_ahmadmurabith.pemesanan**:
 - `id_pemesanan`: int(11) (Primary Key)
 - `nama_pengunjung`: varchar(11)
 - `id_kamar`: int(11) (Foreign Key to kamar)
 - `pembayaran`: int(15)
 - `hari`: int(15)
 - `check_in`: date
- db_hotel_ahmadmurabith.pengunjung**:
 - `id_pengunjung`: int(11) (Primary Key)
 - `nama`: varchar(10)
 - `email`: varchar(20)
 - `no_telp`: varchar(10)

A green line indicates a foreign key relationship from `id_kamar` in the `kamar` table to `id_kamar` in the `pemesanan` table.

c. Isi Tabel

1) Admin

The screenshot shows the phpMyAdmin interface for the 'db_hotel_ahmadmurabith' database. The 'admin' table is selected, and its structure and data are displayed. The table has three columns: 'id_admin', 'nama', and 'pass'.

	id_admin	nama	pass
<input type="checkbox"/>	1	Khadgar	asd
<input type="checkbox"/>	2	Asd	asd
<input type="checkbox"/>	3	Qwe	qwe

2) Kamar

The screenshot shows the phpMyAdmin interface for the 'db_hotel_ahmadmurabith' database. The 'kamar' table is selected, and its structure and data are displayed. The table has four columns: 'id_kamar', 'tipe', 'harga', and 'slot'.

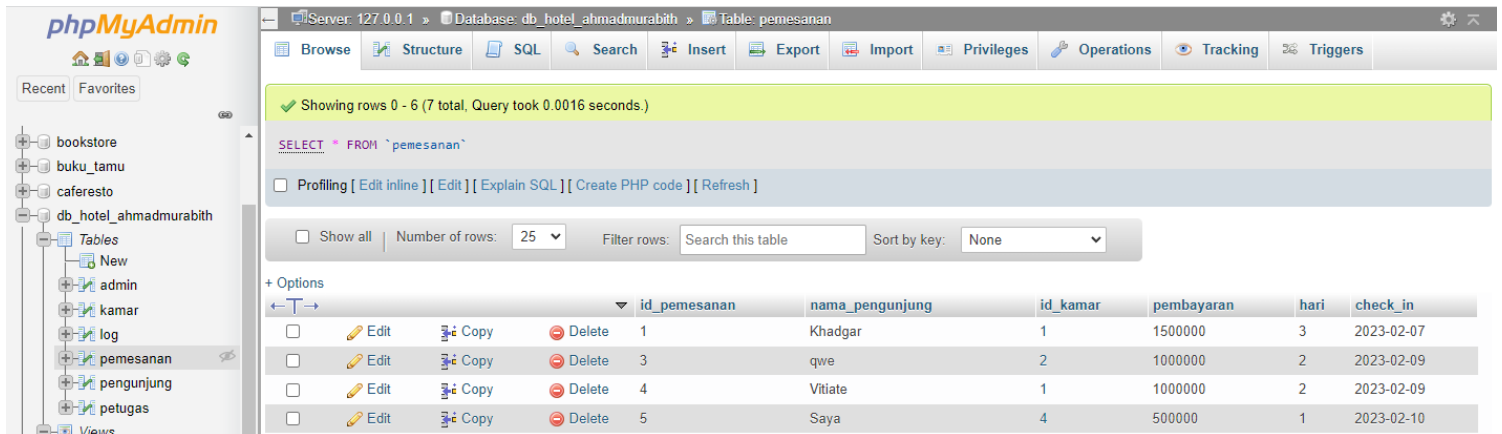
	id_kamar	tipe	harga	slot
<input type="checkbox"/>	1	Kamar A	300000	14
<input type="checkbox"/>	2	Kamar B	100000	13
<input type="checkbox"/>	4	Kamar C	250000	13

3) Log

The screenshot shows the phpMyAdmin interface for the 'db_hotel_ahmadmurabith' database. The 'log' table is selected, and its structure and data are displayed. The table has three columns: 'id_log', 'aksi', and 'time'.

	id_log	aksi	time
<input type="checkbox"/>	1	New Admin	2023-02-07
<input type="checkbox"/>	2	New Kamar	2023-02-07
<input type="checkbox"/>	3	New Kamar	2023-02-07

4) Pemesanan



Showing rows 0 - 6 (7 total, Query took 0.0016 seconds.)

SELECT * FROM `pemesanan`

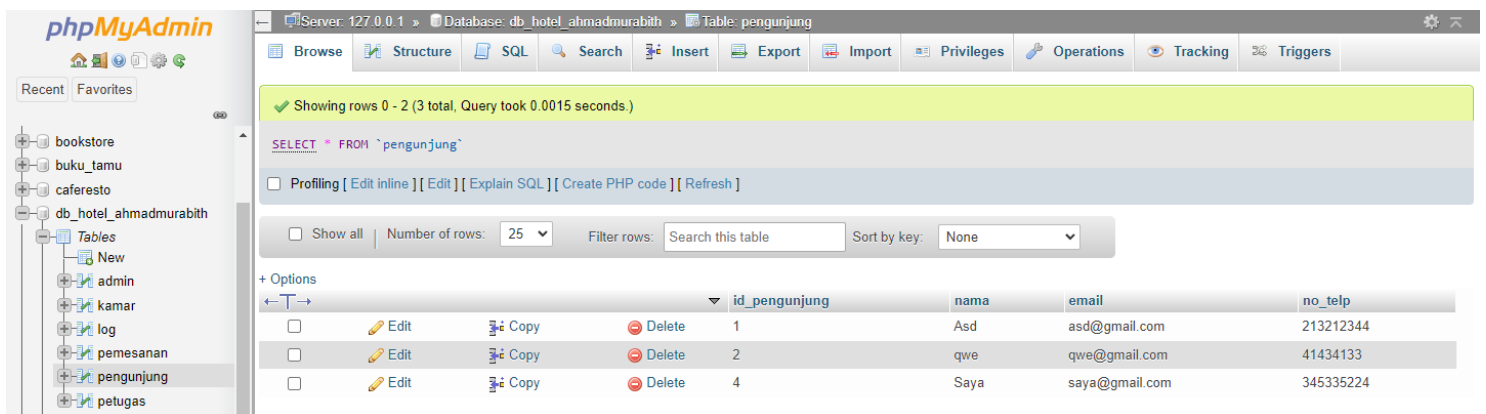
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				id_pemesanan	nama_pengunjung	id_kamar	pembayaran	hari	check_in
<input type="checkbox"/>	Edit	Copy	Delete	1	Khadgar	1	1500000	3	2023-02-07
<input type="checkbox"/>	Edit	Copy	Delete	3	qwe	2	1000000	2	2023-02-09
<input type="checkbox"/>	Edit	Copy	Delete	4	Vitiate	1	1000000	2	2023-02-09
<input type="checkbox"/>	Edit	Copy	Delete	5	Saya	4	500000	1	2023-02-10

5) Pengunjung



Showing rows 0 - 2 (3 total, Query took 0.0015 seconds.)

SELECT * FROM `pengunjung`

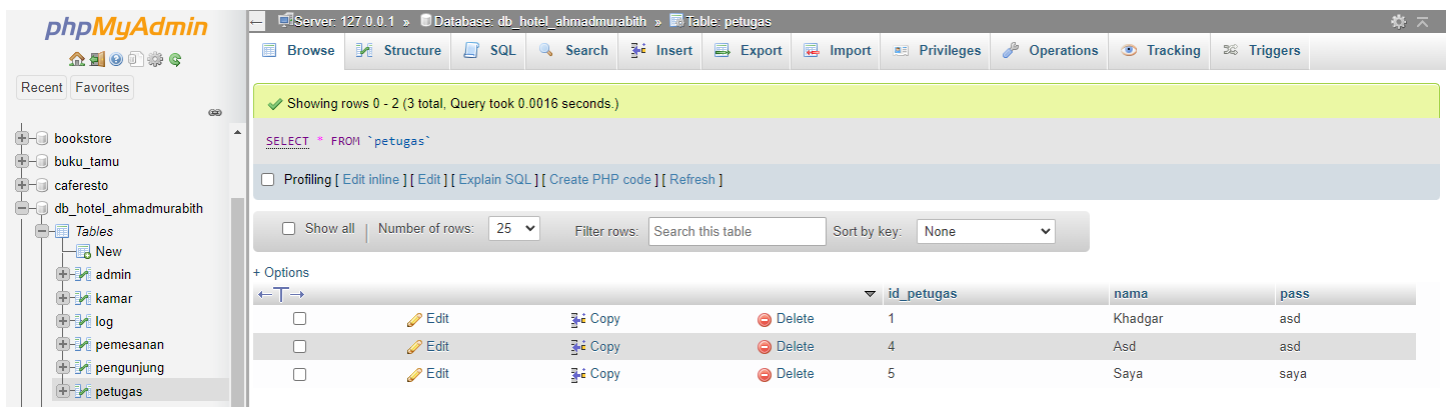
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				id_pengunjung	nama	email	no_telp
<input type="checkbox"/>	Edit	Copy	Delete	1	Asd	asd@gmail.com	213212344
<input type="checkbox"/>	Edit	Copy	Delete	2	qwe	qwe@gmail.com	41434133
<input type="checkbox"/>	Edit	Copy	Delete	4	Saya	saya@gmail.com	345335224

6) Petugas



Showing rows 0 - 2 (3 total, Query took 0.0016 seconds.)

SELECT * FROM `petugas`

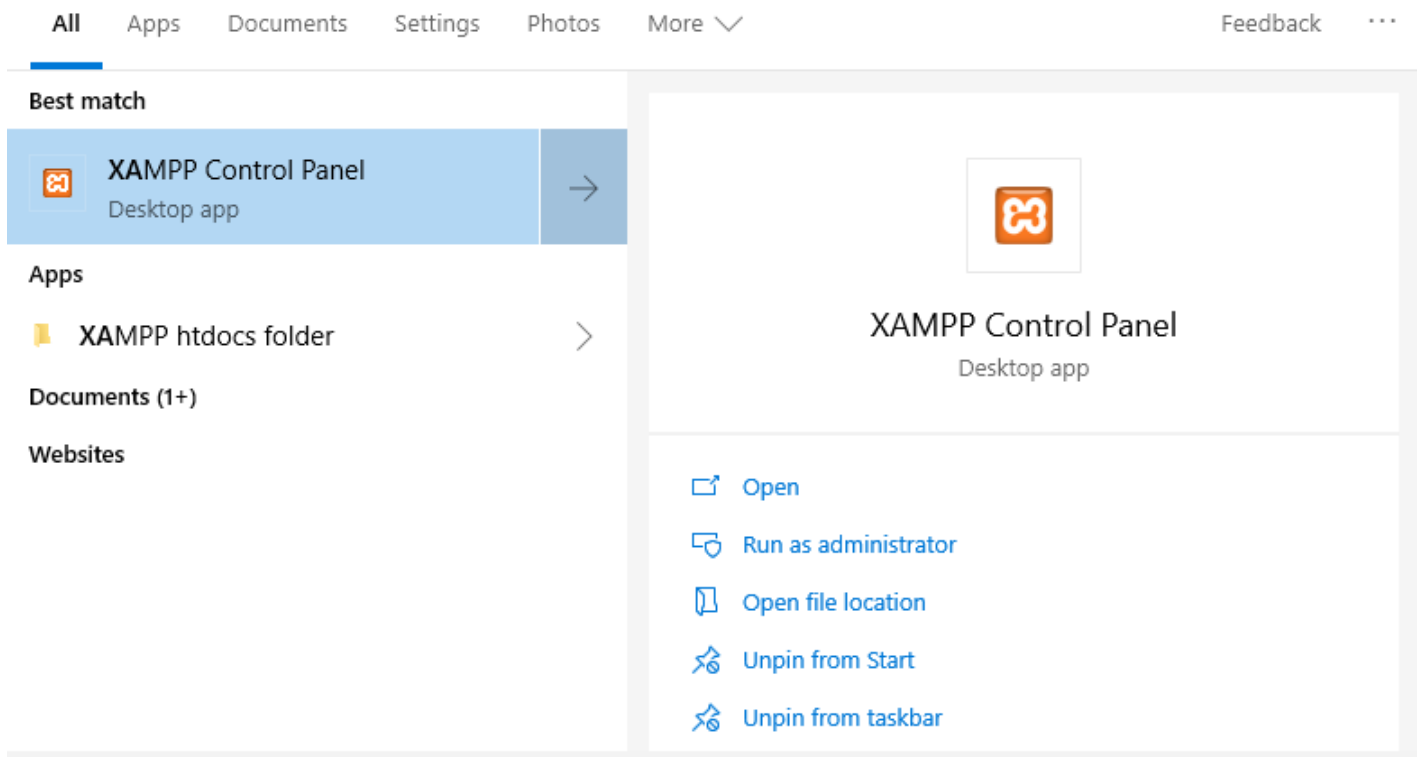
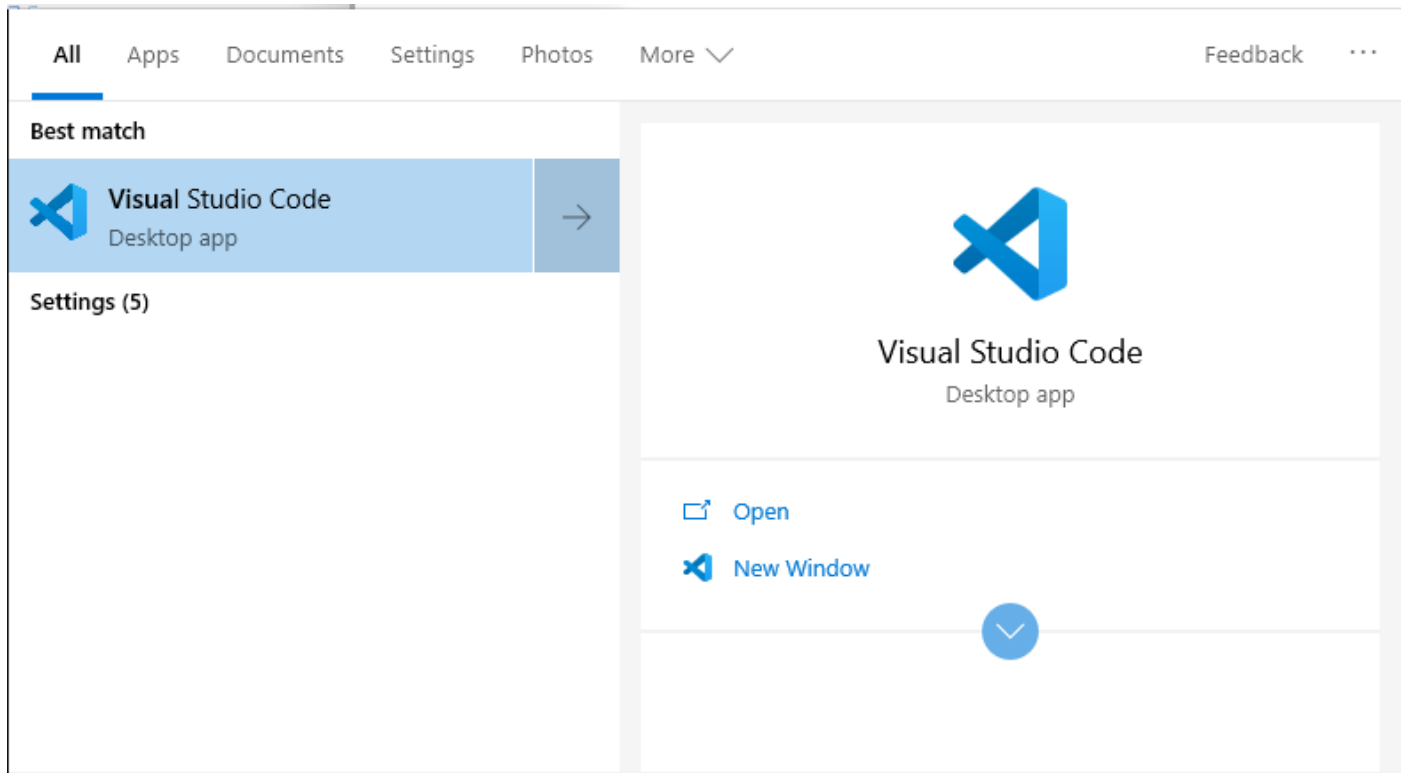
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

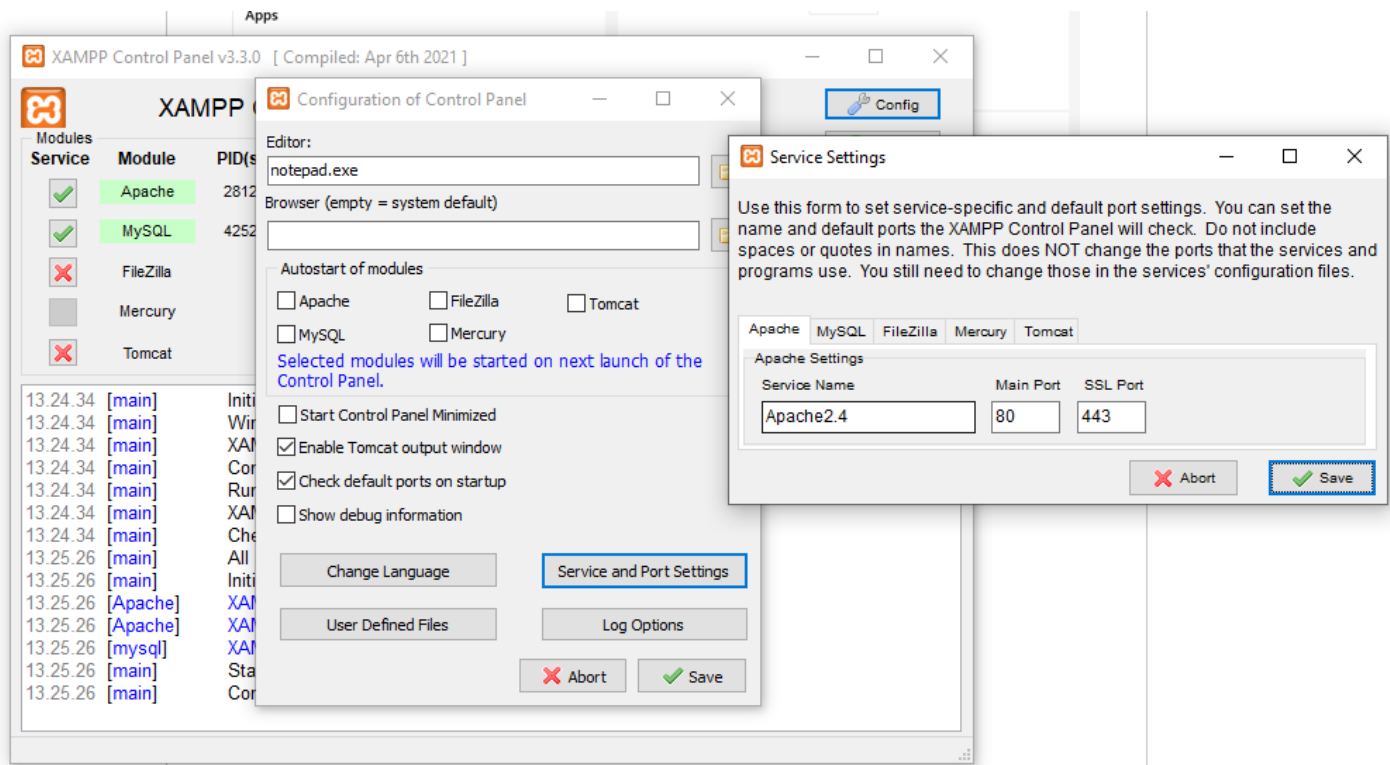
+ Options

				id_petugas	nama	pass
<input type="checkbox"/>	Edit	Copy	Delete	1	Khadgar	asd
<input type="checkbox"/>	Edit	Copy	Delete	4	Asd	asd
<input type="checkbox"/>	Edit	Copy	Delete	5	Saya	saya

5. Uji Kompetensi 9 (Instalasi)

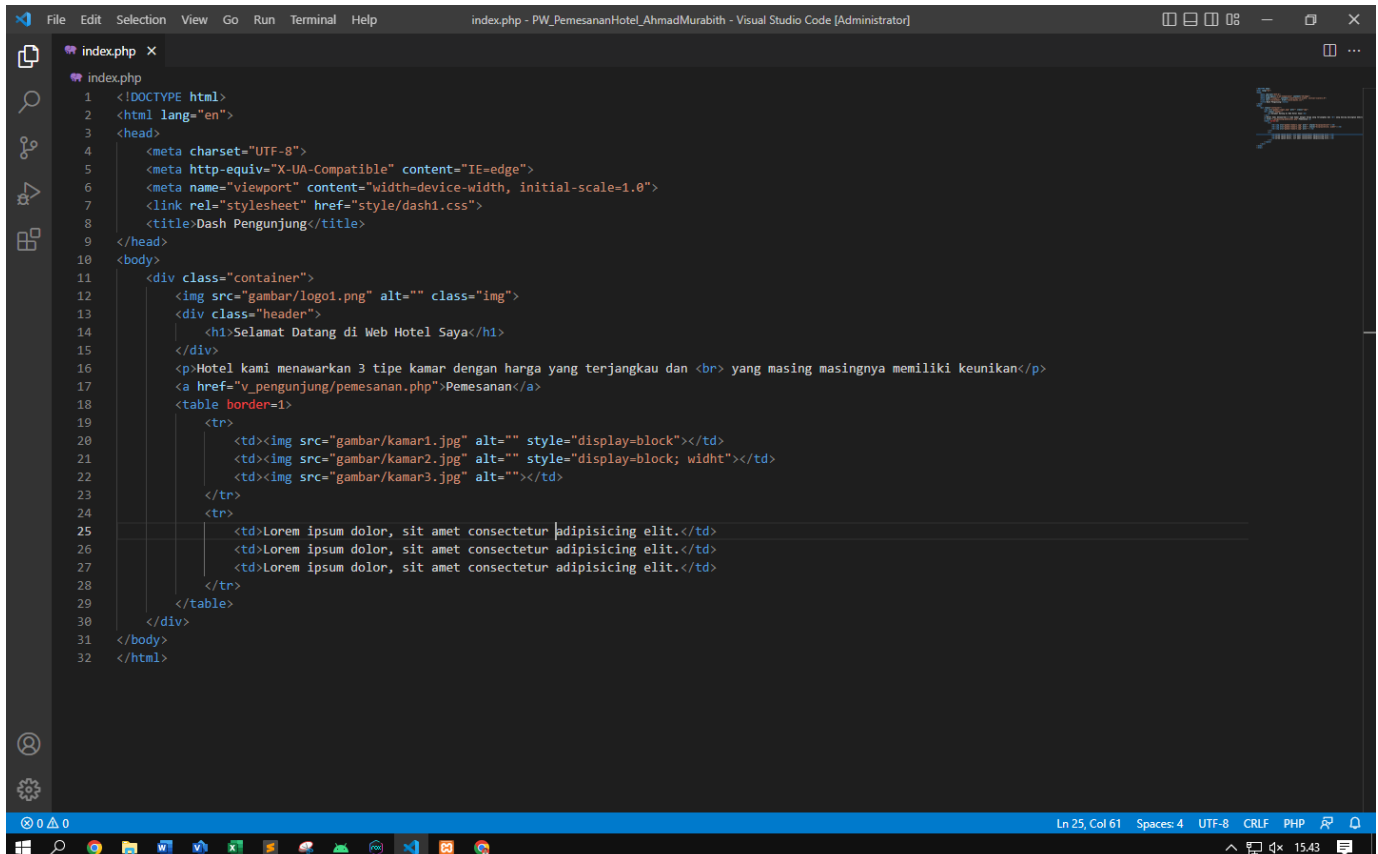


6. Uji Kompetensi 10 (Konfigurasi)



7. Uji Kompetensi 11 (Website)

a. Index



b. Login

```
File Edit Selection View Go Run Terminal Help login.php - PW_PemesananHotel_AhmadMurabith - Visual Studio Code [Administrat...
index.php login.php x
v_admin > login.php
1 <?php
2     require '../admin/function.php';
3     session_start();
4     if (isset($_SESSION['login'])) {
5         header('location:admin.php');
6         exit;
7     }
8
9     if (isset($_POST['login'])) {
10         $nama = $_POST['nama'];
11         $pass = $_POST['pass'];
12
13         $result = mysqli_query($conn, "SELECT * FROM admin WHERE nama = '$nama' AND pass = '$pass'");
14
15         if (mysqli_num_rows($result) === 1) {
16             $row = mysqli_fetch_assoc($result);
17
18             if ($row['pass']) {
19                 $_SESSION['login'] = true;
20                 $_SESSION['nama'] = 'nama';
21                 $_SESSION['id'] = 'id';
22                 header('location:admin.php');
23                 exit;
24             }
25         }
26         $error = true;
27     }
28 ?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="../style/log.css">
    <title>Login Admin</title>
</head>
<body>
    <div class="container">
        
        <h1>Login Admin</h1>
        <?php if(isset($error)) { ?>
            Username / Password Salah !
        <?php } ?>
        <form action="" method="post">
            <label for="nama">Nama</label><br>
            <input type="text" name="nama" id="nama" placeholder="Nama" required> <br><br>
            <label for="pass">Password</label><br>
            <input type="password" name="pass" id="pass" placeholder="Password" required> <br><br>
            <input type="submit" value="login" name="login">
        </form>
    </div>
</body>
</html>
```

c. Dash

```
File Edit Selection View Go Run Terminal Help c_petugas.php - PW_PemesananHotel_AhmadMurabit

index.php c_petugas.php X

v_admin > c_petugas.php
1  <?php
2      require '../admin/function.php';
3      session_start();
4      if (!isset($_SESSION['login'])) {
5          header('location:login.php');
6          exit;
7      }
8
9      $petugas = query("SELECT * FROM petugas");
10 ?>
11 <!DOCTYPE html>
12 <html lang="en">
13 <head>
14     <meta charset="UTF-8">
15     <meta http-equiv="X-UA-Compatible" content="IE=edge">
16     <meta name="viewport" content="width=device-width, initial-scale=1.0">
17     <link rel="stylesheet" href="../style/dash.css">
18     <title>Dash Admin</title>
19 </head>
20 <body>
21     <div class="container">
22         <div class="header">
23             <h1>Dash Admin</h1>
24         </div>
25         <div class="nav">
26             <a href="admin.php">Home</a> <a href="logout.php">Logout</a>
27         </div>
```

```
28     <h3>Tabel Petugas</h3>
29     <a href="crud_petugas/tambah.php">Tambah</a>
30     <table border="1">
31         <tr>
32             <th>No</th>
33             <th>Nama Petugas</th>
34             <th>Password</th>
35             <th>Aksi</th>
36         </tr>
37         <?php
38             $no = 1;
39             foreach ($petugas as $p) ::
40                 ?>
41                 <tr>
42                     <td><?= $no++ ?></td>
43                     <td><?= $p["nama"] ?></td>
44                     <td><?= $p["pass"] ?></td>
45                     <td>
46                         <a href="crud_petugas/edit.php?id_petugas=<?= $p['id_petugas']; ?>">Edit</a> |
47                         <a href="../admin/proses.php?id_petugas=<?= $p['id_petugas']; ?>&action=deletep">Delete</a>
48                     </td>
49                 </tr>
50                 <?php
51                     endforeach;
52                 ?>
53             </table>
54         </div>
55 </body>
56 </html>
```

- d. Crud
- 1) Function

```
<?php
require 'config.php';

function query($query) {
    global $conn;
    $result = mysqli_query($conn, $query);
    $rows = [];
    while ( $row = mysqli_fetch_assoc($result)) {
        $rows[] = $row;
    }
    return $rows;
}

function addKamar($data) {
    global $conn;
    $tipe = htmlspecialchars($data['tipe']);
    $harga = htmlspecialchars($data['harga']);
    $slot = htmlspecialchars($data['slot']);

    $query = "INSERT INTO kamar VALUE('', '$tipe', '$harga', '$slot')";
    mysqli_query($conn, $query);
    return mysqli_affected_rows($conn);
}

function updateKamar($data) {
    global $conn;
    $id_kamar = htmlspecialchars($data['id_kamar']);
    $tipe = htmlspecialchars($data['tipe']);
    $harga = htmlspecialchars($data['harga']);
    $slot = htmlspecialchars($data['slot']);

    $query = "UPDATE kamar SET
        tipe = '$tipe',
        harga = '$harga',
        slot = '$slot'
        WHERE id_kamar = '$id_kamar'";
    mysqli_query($conn, $query);
    return mysqli_affected_rows($conn);
}
```

```

index.php  function.php X
admin > function.php
40
41 function deleteKamar($id_kamar) {
42     global $conn;
43     mysqli_query($conn, "DELETE FROM kamar WHERE id_kamar = $id_kamar");
44     return mysqli_affected_rows($conn);
45 }
46
47 function addPetugas($data) {
48     global $conn;
49     $nama = htmlspecialchars($data['nama']);
50     $pass = htmlspecialchars($data['pass']);
51
52     $query = "INSERT INTO petugas VALUE('', '$nama', '$pass')";
53     mysqli_query($conn, $query);
54     return mysqli_affected_rows($conn);
55 }
56
57 function updatePetugas($data) {
58     global $conn;
59     $id_petugas = htmlspecialchars($data['id_petugas']);
60     $nama = htmlspecialchars($data['nama']);
61     $pass = htmlspecialchars($data['pass']);
62
63     $query = "UPDATE petugas SET
64         nama = '$nama',
65         pass = '$pass'
66         WHERE id_petugas = '$id_petugas'";
67     mysqli_query($conn, $query);
68     return mysqli_affected_rows($conn);
69 }
70
71 function deletePetugas($id_petugas) {
72     global $conn;
73     mysqli_query($conn, "DELETE FROM petugas WHERE id_petugas = $id_petugas");
74     return mysqli_affected_rows($conn);
75 }
76 ?>

```

2) Proses

```
ex.php  proses.php X
> proses.php
<?php
    require 'function.php';

    $action = $_GET['action'];
    if ( $action == 'tambah' ) {
        addKamar($_POST);
        header('location:../v_admin/admin.php');
    } elseif ( $action == 'edit' ) {
        updateKamar($_POST);
        header('location:../v_admin/admin.php');
    } elseif ( $action == 'delete' ) {
        deleteKamar($_GET['id_kamar']);
        header('location:../v_admin/admin.php');
    } elseif ( $action == 'tambahp' ) {
        addPetugas($_POST);
        header('location:../v_admin/c_petugas.php');
    } elseif ( $action == 'editp' ) {
        updatePetugas($_POST);
        header('location:../v_admin/c_petugas.php');
    } elseif ( $action == 'deletep' ) {
        deletePetugas($_GET['id_petugas']);
        header('location:../v_admin/c_petugas.php');
    }
?>
```


3) Form Tambah & Edit

```
.php tambah.php x
> crud_petugas > tambah.php
<?php
    session_start();
    if (!isset($_SESSION['login'])) {
        header('location:../login.php');
        exit;
    }
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="../../style/log.css">
    <title>Tambah Petugas</title>
</head>
<body>
    <div class="container">
        <h1>Tambah Petugas</h1>
        <form action="../../admin/proses.php?action=tambahp" method="post">
            <label for="nama">Nama Petugas : </label>
            <input type="text" name="nama" id="nama" placeholder="Nama Petugas" required><br><br>
            <label for="pass">Password : </label>
            <input type="text" name="pass" id="pass" placeholder="Password" required><br><br>
            <input type="submit" value="submit" name="submit">
        </form> <br>
        <a href="../../c_petugas.php">Go Back</a>
    </div>
</body>
</html>
```

```

<?php
    require '../admin/function.php';
    session_start();
    if (!isset($_SESSION['login'])) {
        header('location:../login.php');
        exit;
    }
    $id_petugas = $_GET['id_petugas'];
    $petugas = query("SELECT * FROM petugas WHERE id_petugas = '$id_petugas'") [0];
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="../../style/log.css">
    <title>Edit Petugas</title>
</head>
<body>
    <div class="container">
        <h1>Edit Petugas</h1><br>
        <form action="../../admin/proses.php?action=editp" method="post">
            <input type="hidden" name="id_petugas" value="= $petugas['id_petugas'] ?">
            <label for="nama">Nama Petugas : </label>
            <input type="text" name="nama" id="nama" placeholder="Nama" value="= $petugas['nama'] ?" required><br><br>
            <label for="pass">Password : </label>
            <input type="text" name="pass" id="pass" placeholder="Password" value="= $petugas['pass'] ?" required><br><br>
            <input type="submit" value="submit" name="submit">
        </form> <br>
        <a href="../../c_petugas.php">Go Back</a>
    </div>
</body>
</html>

```

8. Uji Kompetensi 12 (SQL)

a. Trigger Stok

0.1 » Database: db_hotel_ahmadmurabith » Table: pemesanan

Edit

Details

Trigger name:

Table:

Time:

Event:

Definition

```
1 BEGIN
2   UPDATE kamar SET slot = slot-1
3   WHERE id_kamar = NEW.id_kamar;
4 END
```

Definer

id_kamar	tipe	harga	slot
1	Kamar A	300000	15
2	Kamar B	100000	14

id_pemesanan	nama_pengunjung	id_kamar	pembayaran	hari	check_in
1	Khadgar	1	1500000	3	2023-02-07
3	qwe	2	1000000	2	2023-02-09

id_kamar	tipe	harga	slot
1	Kamar A	300000	14
2	Kamar B	100000	13

b. Commit

1) SQL

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)

```
START TRANSACTION
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

✓ 1 row inserted.

Inserted row id: 4 (Query took 0.0814 seconds.)

```
INSERT INTO admin VALUES('', 'Saya', 'asd123')
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

⚠ Warning: #1366 Incorrect integer value: "" for column `db_hotel_ahmadmurabith`.`admin`.`id_admin` at row 1

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0612 seconds.)

```
COMMIT
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

2) Before

id_kamar	tipe	harga	slot
1	Kamar A	300000	14
2	Kamar B	100000	13

3) After

id_admin	nama	pass
1	Khadgar	asd
2	Asd	asd
3	Qwe	qwe
4	Saya	asd123

c. Rollback

1) SQL

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)

START TRANSACTION

[Edit inline] [Edit] [Create PHP code]

✓ 1 row inserted.

Inserted row id: 5 (Query took 0.0162 seconds.)

INSERT INTO admin VALUES(NULL, 'Darth Vader', 'vader123')

[Edit inline] [Edit] [Create PHP code]

⚠ Warning: #1265 Data truncated for column 'nama' at row 1

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0320 seconds.)

ROLLBACK

[Edit inline] [Edit] [Create PHP code]

2) Before

	▼	id_admin	nama	pass
🗑 Delete		1	Khadgar	asd
🗑 Delete		2	Asd	asd
🗑 Delete		3	Qwe	qwe
🗑 Delete		4	Saya	asd123

📄 Export

3) After

	▼	id_admin	nama	pass
🗑 Delete		1	Khadgar	asd
🗑 Delete		2	Asd	asd
🗑 Delete		3	Qwe	qwe
🗑 Delete		4	Saya	asd123

📄 Export

- d. Trigger Log
1) Insert

Edit

Details

Trigger name

hew_pengunjung

Table

pengunjung

Time

AFTER

Event

INSERT

Definition

```
1 INSERT INTO log VALUES('', 'New
Pengunjung', now())
```

Definer

root@localhost

Go

Close

2) Update

Edit

Details

Trigger name

update_pengunjung

Table

pengunjung

Time

AFTER

Event

UPDATE

Definition

```
1 INSERT INTO log VALUES(' ', 'Update
Pengunjung', now())
```

Definer

root@localhost

Go

Close

3) Delete

Edit

Details

Trigger name

delete_pengunjung

Table

pengunjung

Time

AFTER

Event

DELETE

Definition

```
1 INSERT INTO log VALUES('', 'Delete
Pengunjung', now())
```

Definer

root@localhost

Go

Close

4) Hasil

✓ Showing rows 0 - 7 (8 total, Query took 0.0028 seconds.)

SELECT * FROM `log` WHERE aksi LIKE '%Pengunjung'

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

				id_log	aksi	time
<input type="checkbox"/>	Edit	Copy	Delete	19	New Pengunjung	2023-02-08
<input type="checkbox"/>	Edit	Copy	Delete	22	New Pengunjung	2023-02-08
<input type="checkbox"/>	Edit	Copy	Delete	27	New Pengunjung	2023-02-08
<input type="checkbox"/>	Edit	Copy	Delete	36	New Pengunjung	2023-02-08
<input type="checkbox"/>	Edit	Copy	Delete	48	New Pengunjung	2023-02-09
<input type="checkbox"/>	Edit	Copy	Delete	57	Update Pengunjung	2023-02-10
<input type="checkbox"/>	Edit	Copy	Delete	58	New Pengunjung	2023-02-10
<input type="checkbox"/>	Edit	Copy	Delete	59	Delete Pengunjung	2023-02-10