

**LAPORAN PRAKTIKUM
PEMROGRAMAN BASIS DATA**

(Laporan Praktikum)

Oleh :

Vina Sahara (23753038)



**MANAJEMEN INFORMATIKA
JURUSAN TEKNIK INFORMASI
POLITEKNIK NEGERI LAMPUNG
BANDAR LAMPUNG
2025**

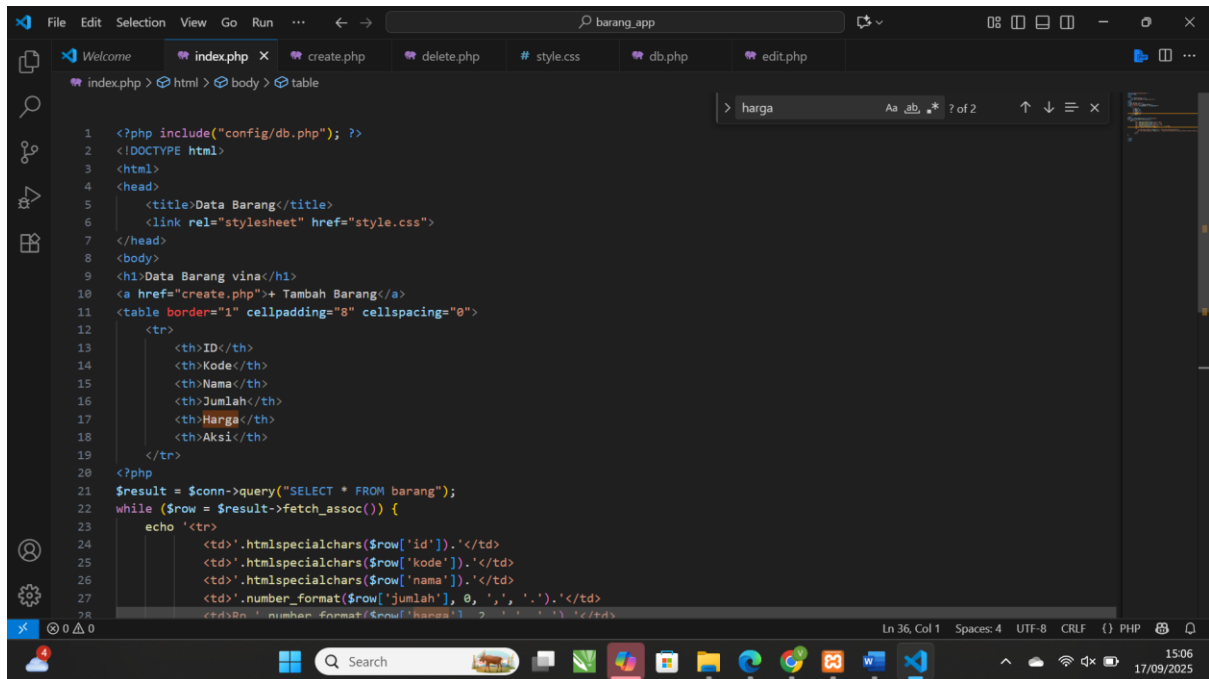
- CREATE DATABASE

The screenshot shows the phpMyAdmin interface in a web browser. The address bar indicates the URL is `localhost/phpmyadmin/index.php?route=/server/sql`. The server is identified as `127.0.0.1`. The top navigation bar includes links for Databases, SQL, Status, User accounts, Export, Import, Settings, Replication, and Variables. A "Show query box" button is visible. The main content area displays a green success message: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0009 seconds.)". Below this, the executed SQL query is shown: `CREATE DATABASE barang_db;`. There are links for "[Edit inline]", "[Edit]", and "[Create PHP code]". At the bottom, a light blue error message box states: "Error: #1046 No database selected".

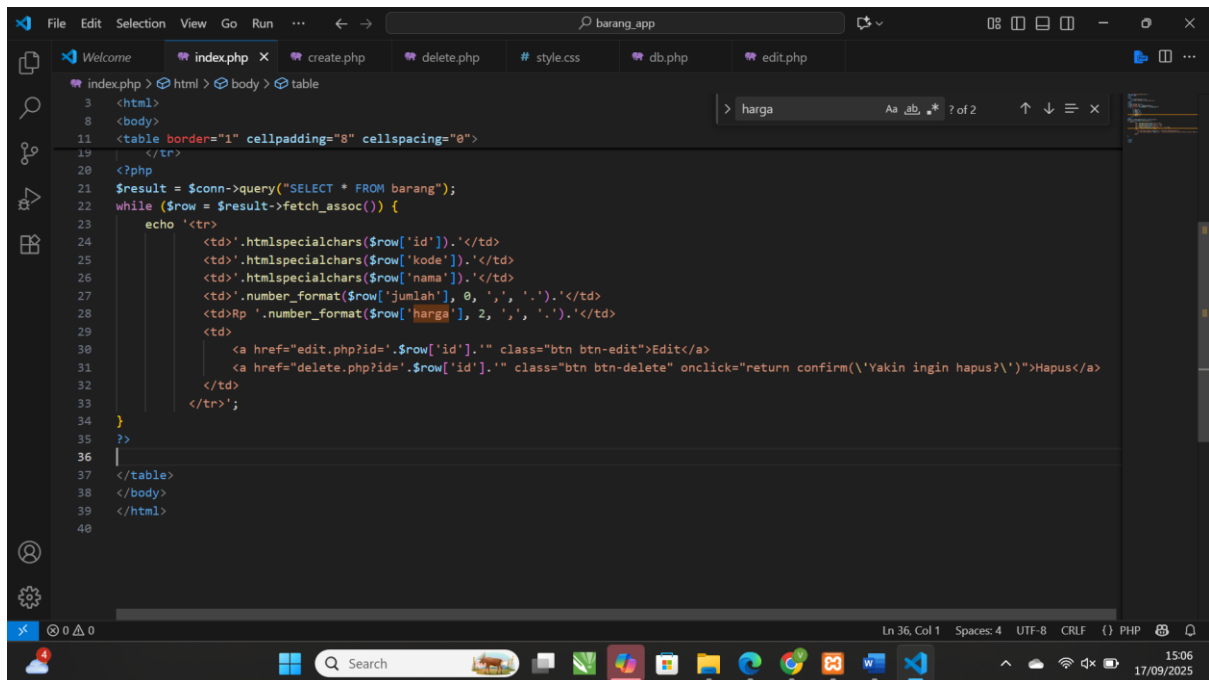
- CREATE TABLE

The screenshot shows the phpMyAdmin interface for the `barang_db` database. The address bar indicates the URL is `localhost/phpmyadmin/index.php?route=/database/sql&db=barang_db`. The server is `127.0.0.1` and the database is `barang_db`. The top navigation bar includes links for Structure, SQL, Search, Query, Export, Import, Operations, Privileges, Routines, Events, Triggers, Tracking, and More. A "Show query box" button is visible. The main content area displays a green success message: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)". Below this, the executed SQL query is shown: `CREATE TABLE barang (id INT AUTO_INCREMENT PRIMARY KEY, kode VARCHAR(20) NOT NULL, nama VARCHAR(100) NOT NULL, jumlah INT NOT NULL, harga DECIMAL(10,2) NOT NULL);`. There are links for "[Edit inline]", "[Edit]", and "[Create PHP code]".

- FILE INDEX

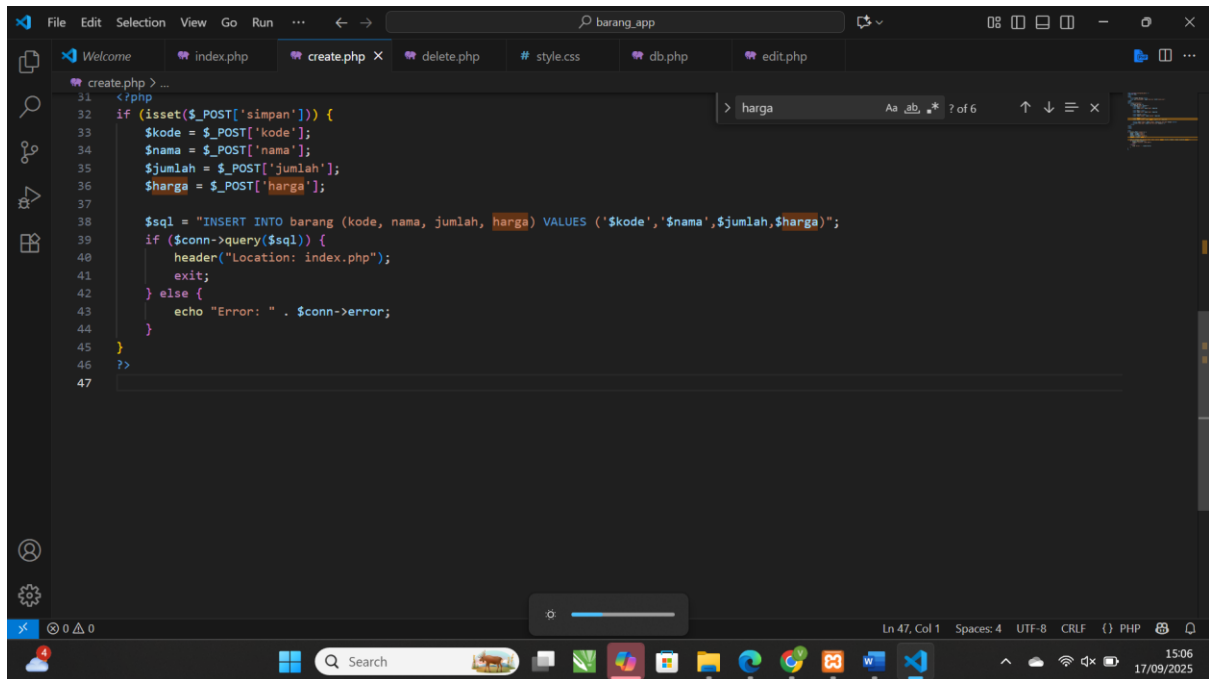


```
1 <?php include("config/db.php"); ?>
2 <!DOCTYPE html>
3 <html>
4 <head>
5     <title>Data Barang</title>
6     <link rel="stylesheet" href="style.css">
7 </head>
8 <body>
9     <h1>Data Barang vina</h1>
10    <a href="create.php">+ Tambah Barang</a>
11    <table border="1" cellpadding="8" cellspacing="0">
12        <tr>
13            <th>ID</th>
14            <th>Kode</th>
15            <th>Nama</th>
16            <th>Jumlah</th>
17            <th>Harga</th>
18            <th>Aksi</th>
19        </tr>
20    <?php
21    $result = $conn->query("SELECT * FROM barang");
22    while ($row = $result->fetch_assoc()) {
23        echo <tr>
24            <td>'.htmlspecialchars($row['id']).</td>
25            <td>'.htmlspecialchars($row['kode']).</td>
26            <td>'.htmlspecialchars($row['nama']).</td>
27            <td>'.number_format($row['jumlah'], 0, ',', '.').</td>
28            <td>'.number_format($row['harga'], 2, ',', '.').</td>
```



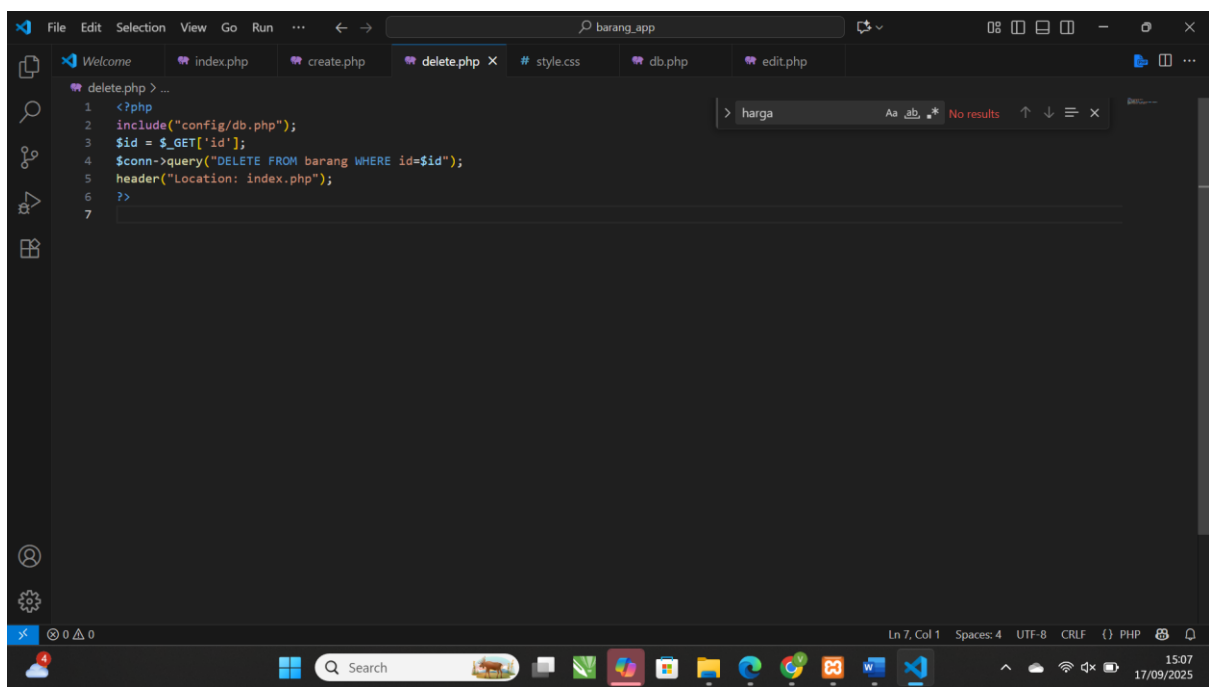
```
3 <html>
8 <body>
11 <table border="1" cellpadding="8" cellspacing="0">
19     </tr>
20 <?php
21 $result = $conn->query("SELECT * FROM barang");
22 while ($row = $result->fetch_assoc()) {
23     echo <tr>
24         <td>'.htmlspecialchars($row['id']).</td>
25         <td>'.htmlspecialchars($row['kode']).</td>
26         <td>'.htmlspecialchars($row['nama']).</td>
27         <td>'.number_format($row['jumlah'], 0, ',', '.').</td>
28         <td>'.number_format($row['harga'], 2, ',', '.').</td>
29         <td>
30             <a href="edit.php?id='.$row['id'].'" class="btn btn-edit">Edit</a>
31             <a href="delete.php?id='.$row['id'].'" class="btn btn-delete" onclick="return confirm(\'Yakin ingin hapus?\')">Hapus</a>
32         </td>
33     </tr>;
34 }
35 ?>
36 </table>
37 </body>
38 </html>
```

- FILE CREATE



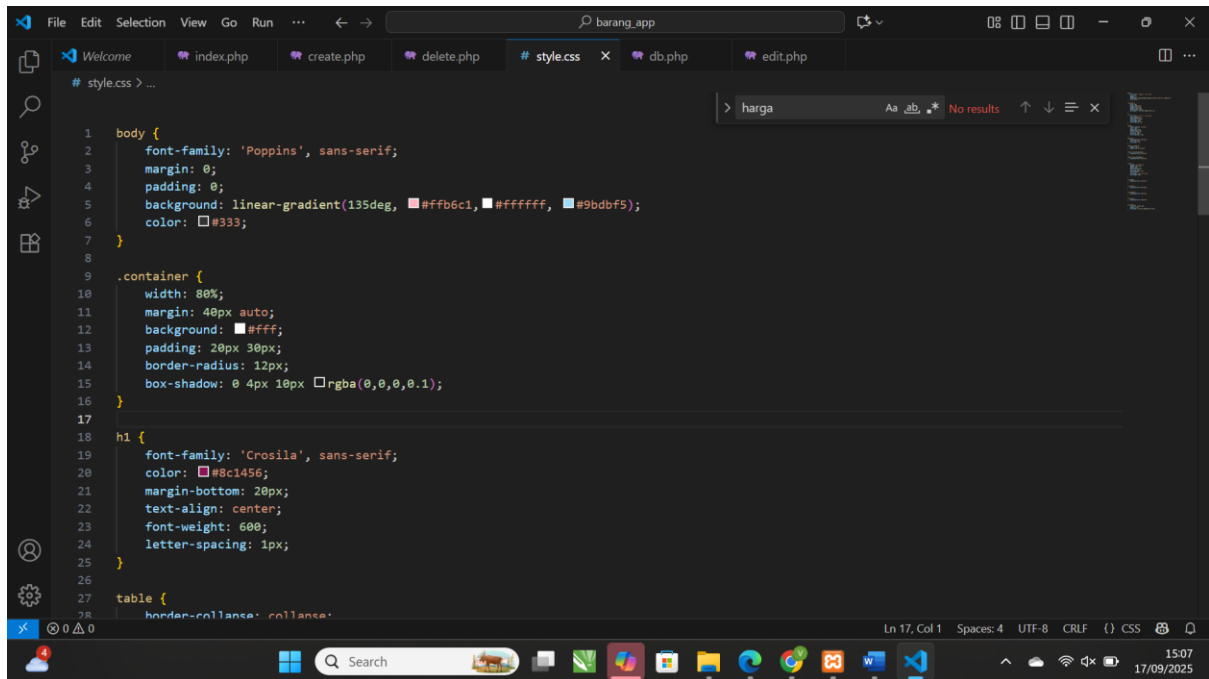
```
create.php > ...
31 <?php
32 if (isset($_POST['simpan'])) {
33     $kode = $_POST['kode'];
34     $nama = $_POST['nama'];
35     $jumlah = $_POST['jumlah'];
36     $harga = $_POST['harga'];
37
38     $sql = "INSERT INTO barang (kode, nama, jumlah, harga) VALUES ('$kode', '$nama', $jumlah, $harga)";
39     if ($conn->query($sql)) {
40         header("Location: index.php");
41         exit;
42     } else {
43         echo "Error: " . $conn->error;
44     }
45 }
46 ?>
47
```

- FILE DELETE



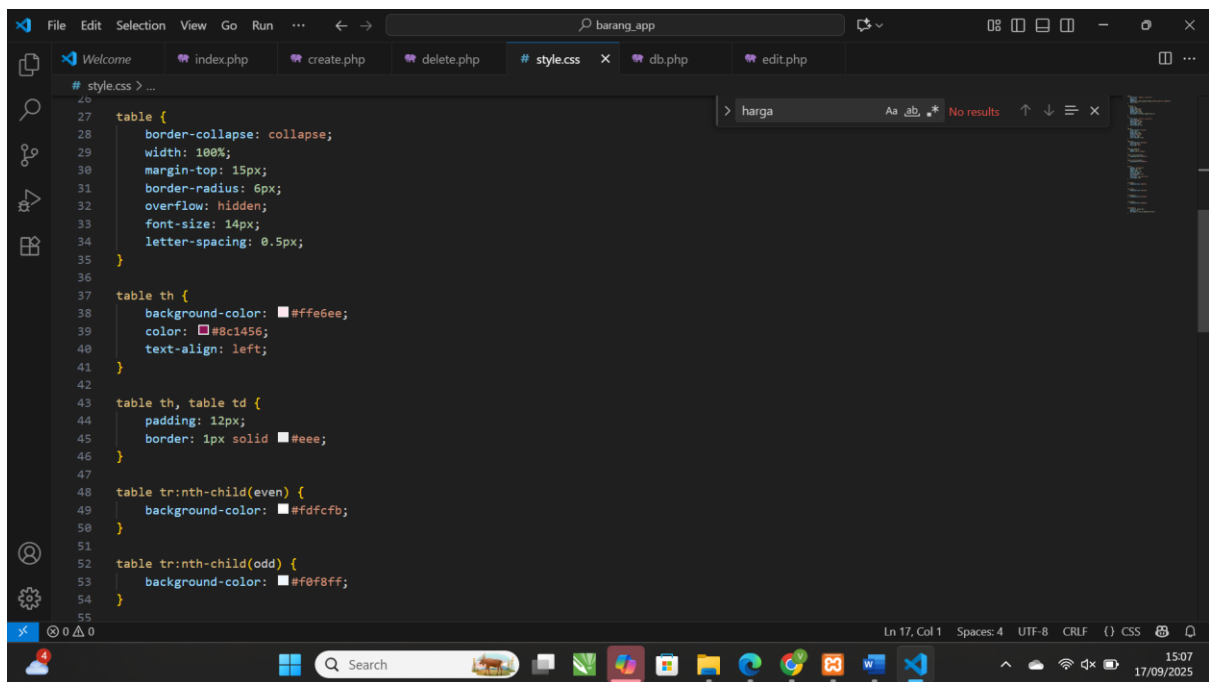
```
delete.php > ...
1 <?php
2 include("config/db.php");
3 $id = $_GET['id'];
4 $conn->query("DELETE FROM barang WHERE id=$id");
5 header("Location: index.php");
6 ?>
7
```

- FILE STYLE.CSS



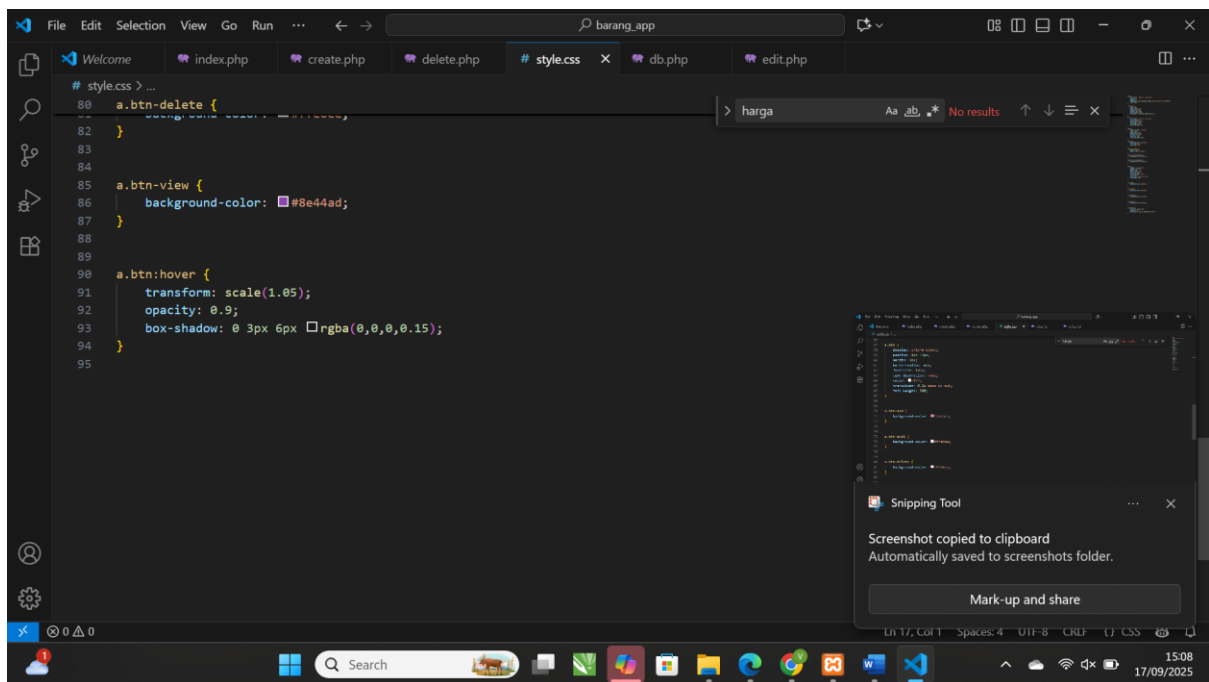
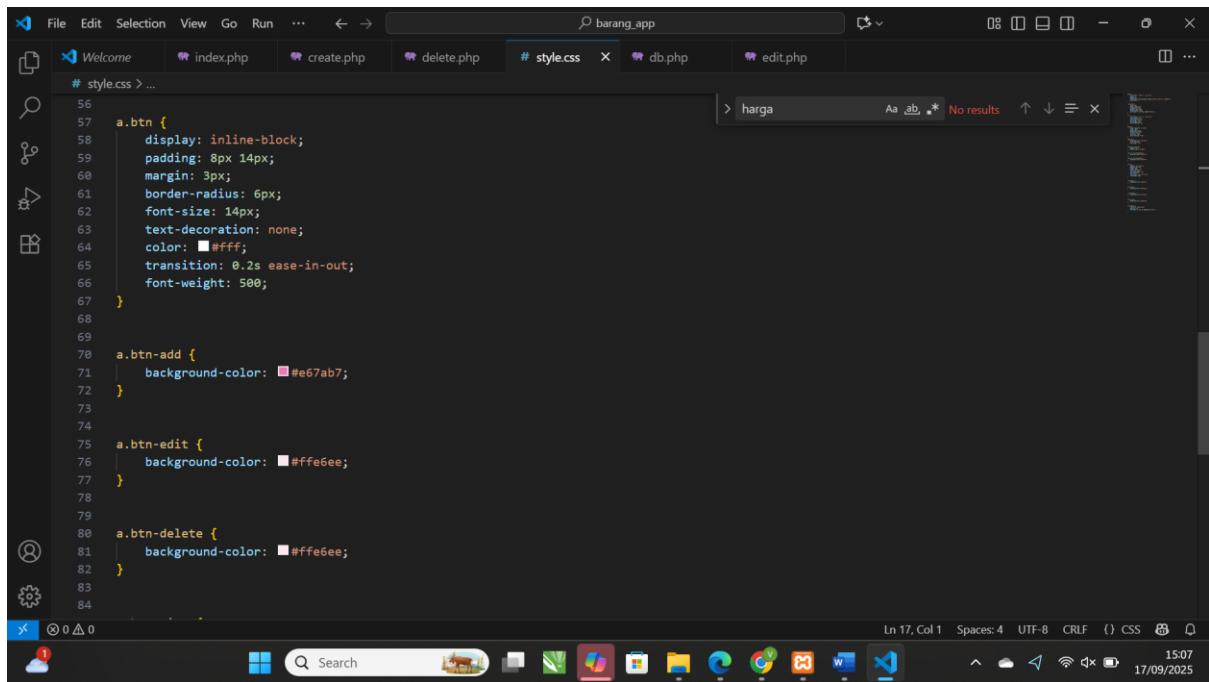
```
# style.css > ...

1  body {
2      font-family: 'Poppins', sans-serif;
3      margin: 0;
4      padding: 0;
5      background: linear-gradient(135deg, #ffb6c1, #ffffff, #9bdbf5);
6      color: #333;
7  }
8
9  .container {
10     width: 80%;
11     margin: 40px auto;
12     background: #fff;
13     padding: 20px 30px;
14     border-radius: 12px;
15     box-shadow: 0 4px 10px rgba(0,0,0,0.1);
16 }
17
18 h1 {
19     font-family: 'Crosila', sans-serif;
20     color: #8c1456;
21     margin-bottom: 20px;
22     text-align: center;
23     font-weight: 600;
24     letter-spacing: 1px;
25 }
26
27 table {
28     border-collapse: collapse;
```

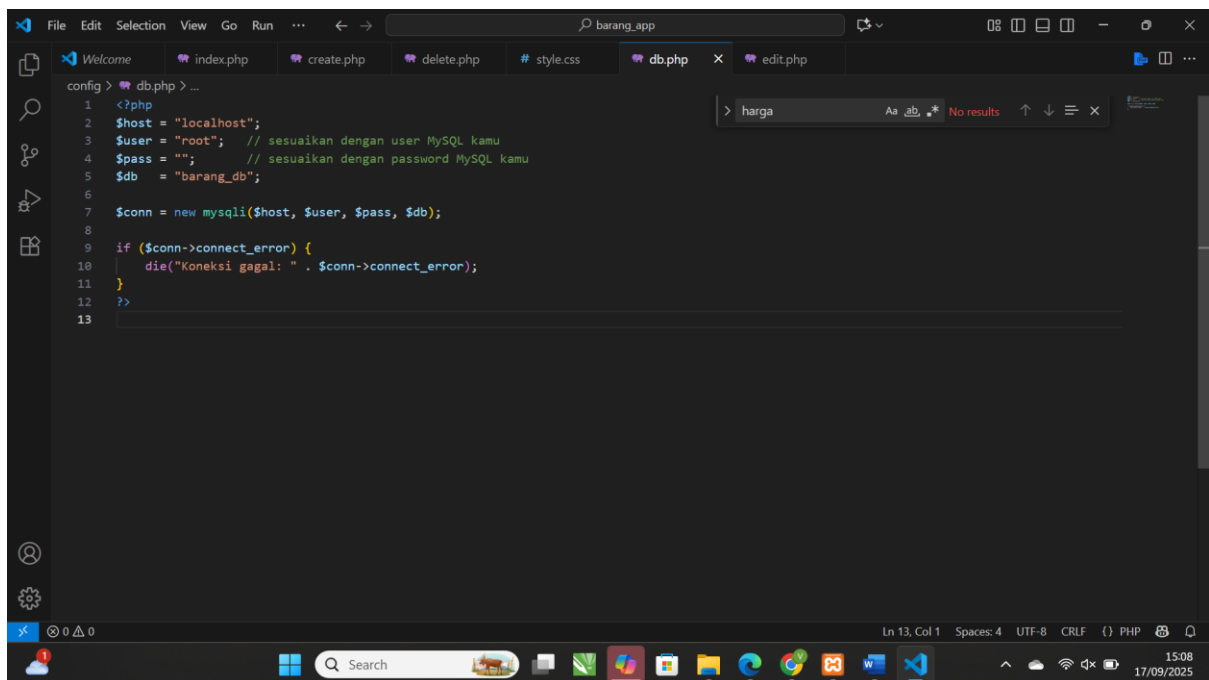


```
# style.css > ...

27 table {
28     border-collapse: collapse;
29     width: 100%;
30     margin-top: 15px;
31     border-radius: 6px;
32     overflow: hidden;
33     font-size: 14px;
34     letter-spacing: 0.5px;
35 }
36
37 table th {
38     background-color: #ffe6ee;
39     color: #8c1456;
40     text-align: left;
41 }
42
43 table th, table td {
44     padding: 12px;
45     border: 1px solid #eee;
46 }
47
48 table tr:nth-child(even) {
49     background-color: #fdfcfb;
50 }
51
52 table tr:nth-child(odd) {
53     background-color: #f0f8ff;
54 }
55
```



- FILE koneksi database

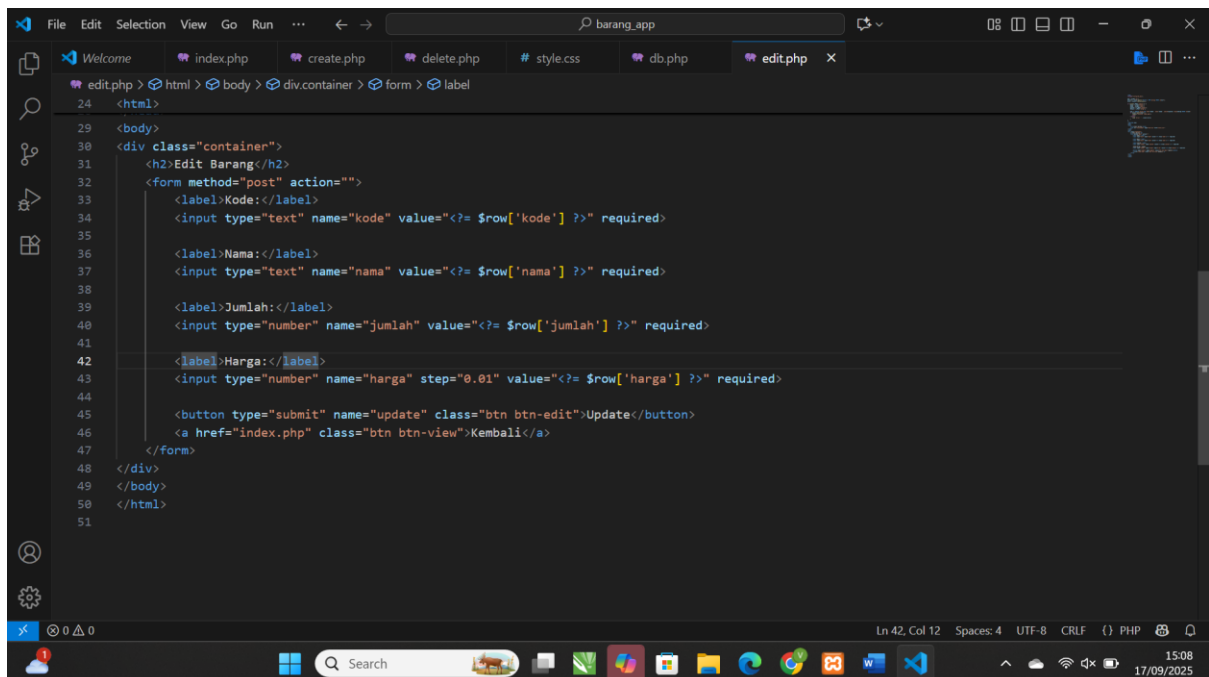


The screenshot shows the Visual Studio Code editor with the file `db.php` open. The code is as follows:

```
1 <?php
2 $host = "localhost";
3 $user = "root"; // sesuaikan dengan user MySQL kamu
4 $pass = ""; // sesuaikan dengan password MySQL kamu
5 $db = "barang_db";
6
7 $conn = new mysqli($host, $user, $pass, $db);
8
9 if ($conn->connect_error) {
10     die("Koneksi gagal: " . $conn->connect_error);
11 }
12
13
```

A search bar at the top right shows the word `harga` with the result `No results`.

- File edit



The screenshot shows the Visual Studio Code editor with the file `edit.php` open. The code is as follows:

```
24 <html>
25
26 <body>
27
28 <div class="container">
29     <h2>Edit Barang</h2>
30     <form method="post" action="">
31         <label>Kode:</label>
32         <input type="text" name="kode" value="<?= $row['kode'] ?>" required>
33
34         <label>Nama:</label>
35         <input type="text" name="nama" value="<?= $row['nama'] ?>" required>
36
37         <label>Jumlah:</label>
38         <input type="number" name="jumlah" value="<?= $row['jumlah'] ?>" required>
39
40         <label>Harga:</label>
41         <input type="number" name="harga" step="0.01" value="<?= $row['harga'] ?>" required>
42
43         <button type="submit" name="update" class="btn btn-edit">Update</button>
44         <a href="index.php" class="btn btn-view">Kembali</a>
45     </form>
46 </div>
47 </body>
48 </html>
```

HASIL DARI KODE

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localhost/barang_app/index.php

Data Barang vina

[+ Tambah Barang](#)

ID	Kode	Nama	Jumlah	Harga	Aksi
3	2375	bonita	45	Rp 290.000,00	Edit Hapus
4	BRG001	Bolpen Hitam	50	Rp 2.500,00	Edit Hapus
5	BRG002	Buku Tulis	100	Rp 3.500,00	Edit Hapus
6	BRG003	Penggaris 30cm	30	Rp 5.000,00	Edit Hapus

1

Search

15:09
17/09/2025

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localhost/barang_app/create.php

Tambah Barang

Kode: Nama: Jumlah: Harga: [Simpan](#)

[Kembali](#)

1

Search

15:10
17/09/2025

7	6524	sunsilk	90	Rp 2.000,00	Edit Hapus
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1

Search

15
17/09/20

