**DOKUMENTASI PEMBUATAN APLIKASI**

**UNIVERSITAS PAMULANG**

**TAHUN 2023**



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**UNIVERSITAS PAMULANG**

**TANGERANG SELATAN BANTEN**

**2023**

# DAFTAR ISI

[DAFTAR ISI 2](#_Toc150090330)

[1. Persiapan 3](#_Toc150090331)

[2. Membuat *DATABASE* 3](#_Toc150090332)

[a. Buka XAMPP start apache dan Mysql 3](#_Toc150090333)

[b. Membuat database 3](#_Toc150090334)

[c. Membuat tabel 4](#_Toc150090335)

[d. Membuat design tabel 5](#_Toc150090336)

[3. Membuat project aplikasi pada Visual Studio Code 5](#_Toc150090337)

[4. Pengujian 21](#_Toc150090338)

Membuat aplikasi penjualan

# Persiapan

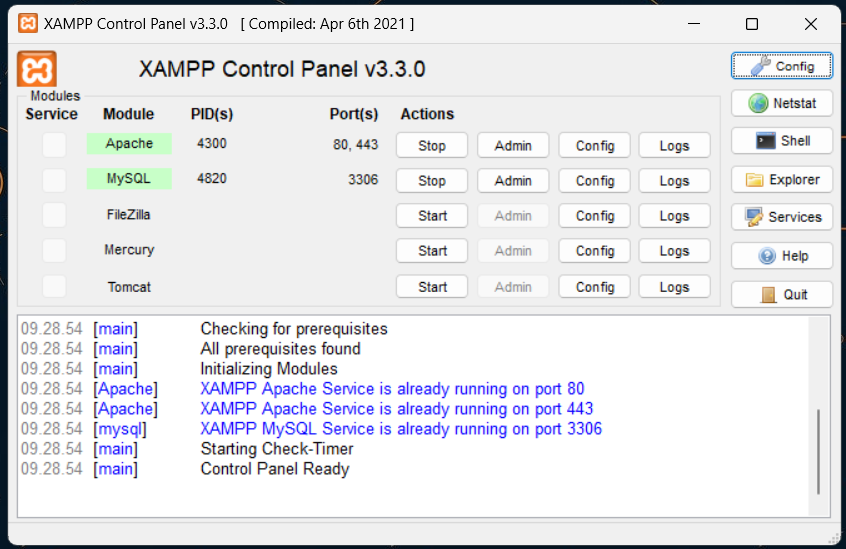
Install Aplikasi

* 1. Visual Studio Code

1. Google Chrome
2. XAMPP

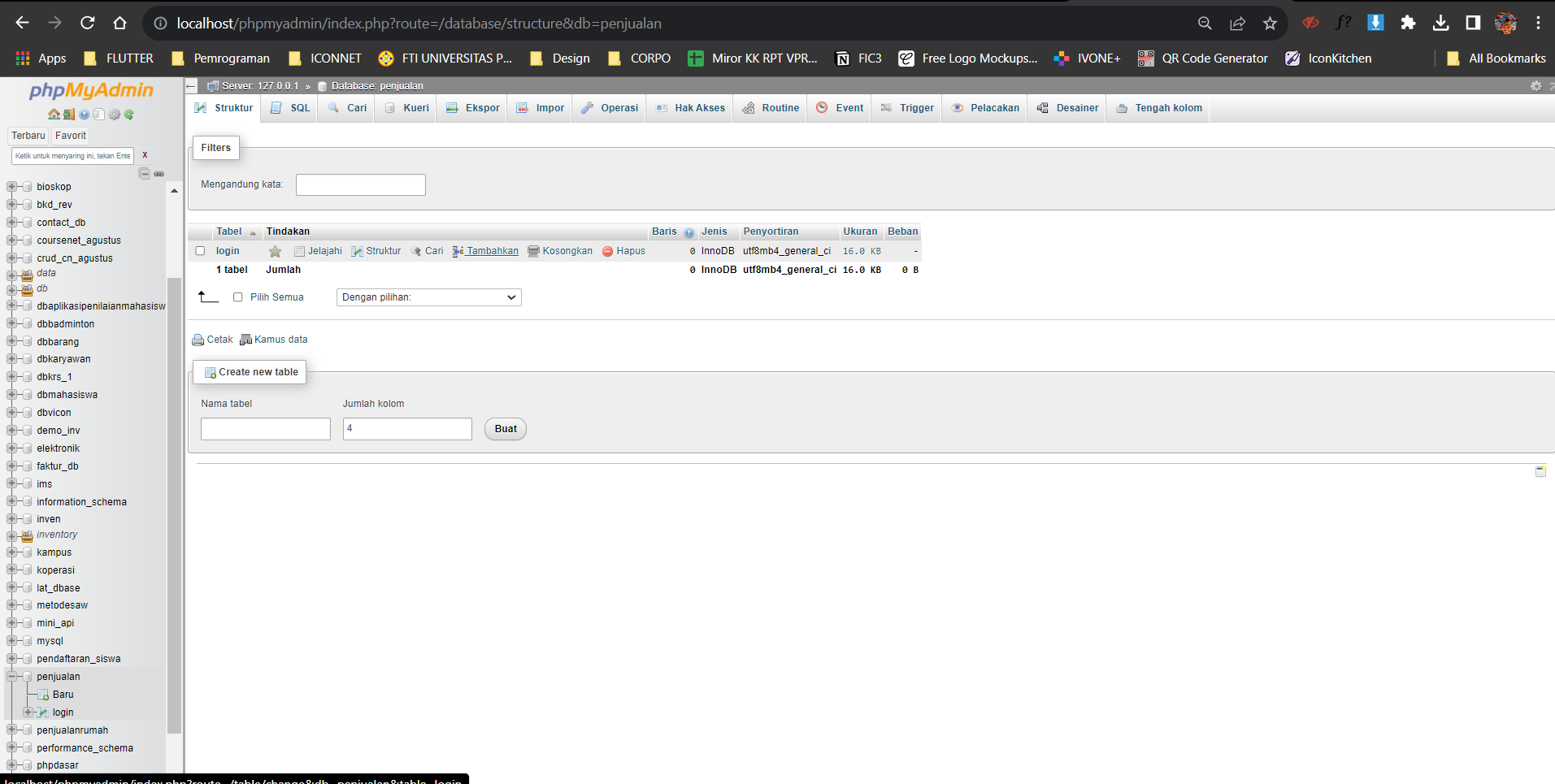
# Membuat *DATABASE*

## Buka XAMPP start apache dan Mysql



## Membuat database

Masuk ke browser masukan localhost/phpMyAdmin untuk masuk ke menu php myadmin



## Membuat tabel

Nama database = penjualan

Nama table = login, barang, supplier, transaksi, pembayaran, pembeli,

1. **Tabel login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Jenis** | **Panjang** | **Index** |
| username | varchar | 15 |  |
| password | varchar | 15 |  |

1. **Tabel barang c. Tabel supplier**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Jenis** | **Panjang** | **Index** |
| id\_barang | int | 11 | PRIMARY |
| nama\_barang | varchar | 20 |  |
| harga | int | 11 |  |
| stok | int | 11 |  |
| id\_supplier | int | 11 | INDEX |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Jenis** | **Panjang** | **Index** |
| id\_supplier | Int | 11 | PRIMARY |
| nama\_supplier | varchar | 30 |  |
| no\_tlp | char | 13 |  |
| alamat | varchar | 100 |  |

1. **Tabel transaksi e. Tabel pembayaran**

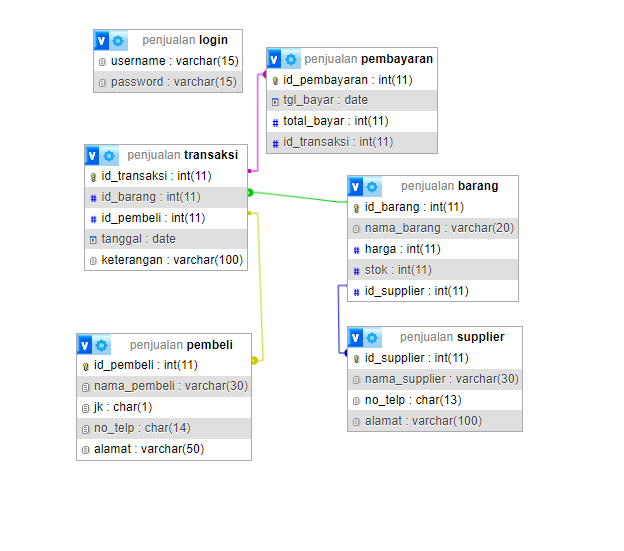
|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Jenis** | **Panjang** | **Index** |
| id\_transaksi | Int | 11 | PRIMARY |
| id\_barang | int | 11 |  |
| id\_pembeli | Int | 11 | INDEX |
| tanggal | Date |  |  |
| keterangan | Varchar | 100 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Jenis** | **Panjang** | **Index** |
| id\_pembayaran | int | 11 | PRIMARY |
| tgl\_bayar | date |  |  |
| total\_bayar | int | 11 |  |
| id\_transaksi | int | 11 | INDEX |

1. **Tabel pembeli**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Jenis** | **Panjang** | **Index** |
| id\_pembeli | int | 11 | PRIMARY |
| nama\_pembeli | varchar | 30 |  |
| jk | char | 1 |  |
| no\_tlp | char | 14 |  |
| alamat | varchar | 50 |  |

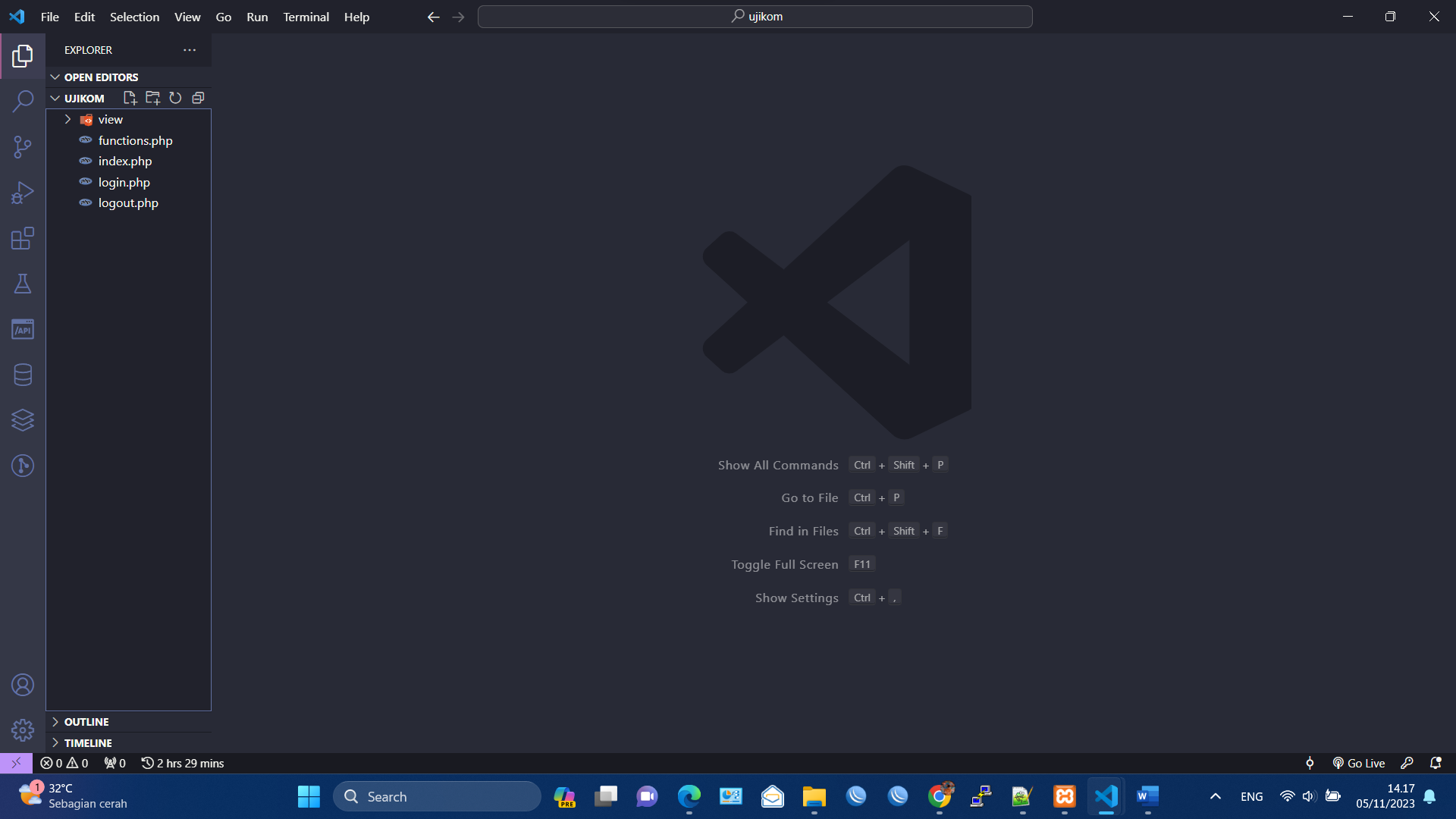
## Membuat design tabel



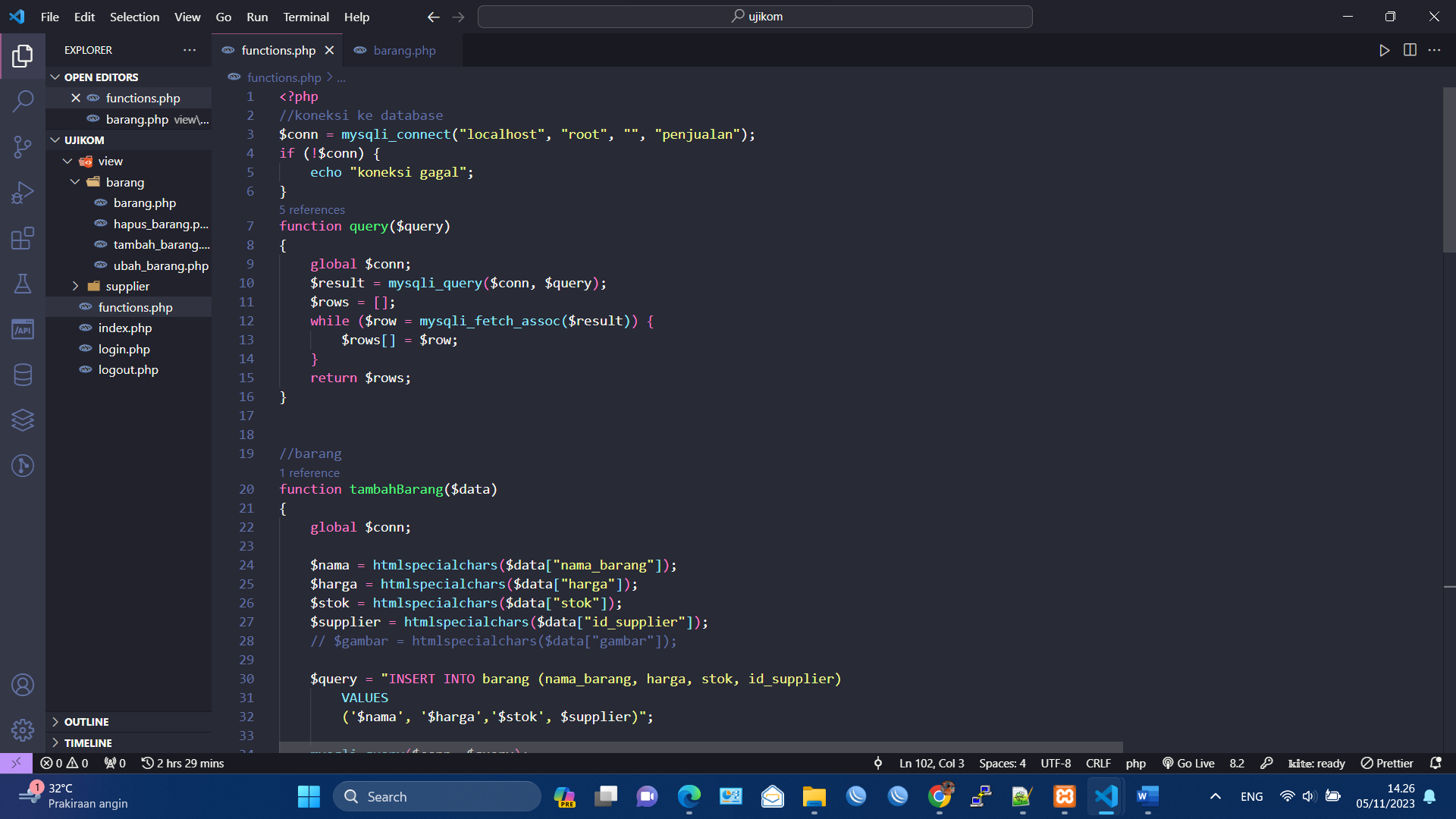
# Membuat project aplikasi pada Visual Studio Code

Membuat folder baru pada htdocs dengan nama ***ujikom***

1. Buka Visual Studio Code>Open Folder>Ujikom



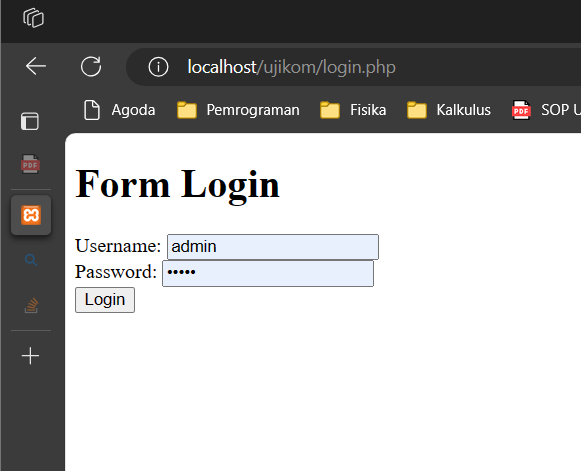
1. Membuat file functions.php yang berfungsi untuk menampung fungsi-fungsi yang akan dibuat



Copy code sbb:

|  |
| --- |
| <?php  //koneksi ke database  $conn = mysqli\_connect("localhost", "root", "", "penjualan");  if (!$conn) {      echo "koneksi gagal";  }  function query($query)  {      global $conn;      $result = mysqli\_query($conn, $query);      $rows = [];      while ($row = mysqli\_fetch\_assoc($result)) {          $rows[] = $row;      }      return $rows;  }  //barang  function tambahBarang($data)  {      global $conn;      $nama = htmlspecialchars($data["nama\_barang"]);      $harga = htmlspecialchars($data["harga"]);      $stok = htmlspecialchars($data["stok"]);      $supplier = htmlspecialchars($data["id\_supplier"]);      // $gambar = htmlspecialchars($data["gambar"]);      $query = "INSERT INTO barang (nama\_barang, harga, stok, id\_supplier)          VALUES          ('$nama', '$harga','$stok', $supplier)";      mysqli\_query($conn, $query);      return mysqli\_affected\_rows($conn);  }  function ubahBarang($data)  {      global $conn;      $id = $data["id\_barang"];      $nama = htmlspecialchars($data["nama\_barang"]);      $harga = htmlspecialchars($data["harga"]);      $stok = htmlspecialchars($data["stok"]);      $supplier = htmlspecialchars($data["id\_supplier"]);      $query = "UPDATE barang SET              nama\_barang='$nama',              harga=$harga,              stok=$stok,              id\_supplier=$supplier              WHERE id\_barang=$id          ";      mysqli\_query($conn, $query);      return mysqli\_affected\_rows($conn);  }  function hapusBarang($id)  {      global $conn;      mysqli\_query($conn, "DELETE FROM barang WHERE id\_barang=$id");      return mysqli\_affected\_rows($conn);  }  //supplier  function tambahSupplier($data)  {      global $conn;      $nama = htmlspecialchars($data["nama\_supplier"]);      $telp = htmlspecialchars($data["no\_telp"]);      $alamat = htmlspecialchars($data["alamat"]);      $query = "INSERT INTO supplier (nama\_supplier, no\_telp, alamat)          VALUES          ('$nama', $telp, '$alamat')";      mysqli\_query($conn, $query);      return mysqli\_affected\_rows($conn);  }  function cariBarang($keyword)  {      $barang = query(          "SELECT barang.id\_barang as id\_barang, barang.nama\_barang as nama\_barang, barang.harga as harga, barang.stok as stok, barang.id\_supplier as id\_supplier, supplier.nama\_supplier as nama\_supplier      FROM barang      LEFT JOIN supplier      ON barang.id\_supplier = supplier.id\_supplier      WHERE nama\_barang LIKE '%$keyword%'"      );      return $barang;  }  ?> |

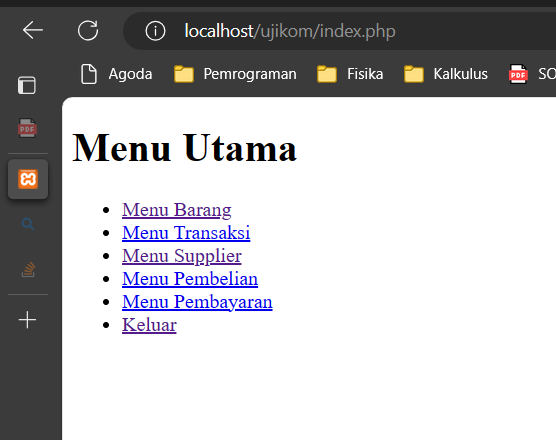
1. Membuat Form login



Copy Code sbb :

|  |
| --- |
| <?php  include 'functions.php';  session\_start();  // Validasi login  if (isset($\_SESSION['username'])) {      header("Location: index.php"); // Jika sudah login, arahkan ke halaman yang sesuai      exit();  }  if (isset($\_POST['submit'])) {      $username = mysqli\_real\_escape\_string($conn, $\_POST['username']);      $password = mysqli\_real\_escape\_string($conn, $\_POST['password']);      $sql = "SELECT \* FROM login WHERE username='$username' AND password='$password'";      $result = mysqli\_query($conn, $sql);      if ($result->num\_rows > 0) {          $row = mysqli\_fetch\_assoc($result);          $\_SESSION['username'] = $row['username'];          header("Location: login.php");          exit();      } else {          $error\_message = "Username atau password Anda salah. Silakan coba lagi.";      }  }  ?>  <!DOCTYPE *html*>  <html *lang*="en">  <head>      <meta *charset*="UTF-8">      <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">      <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">      <title>Form Login</title>  </head>  <body>      <h1>Form Login</h1>      <form *action*="" *method*="post">          <label *for*="username">Username:</label>          <input *type*="text" *id*="username" *name*="username" *required*>          <br>          <label *for*="password">Password:</label>          <input *type*="password" *id*="password" *name*="password" *required*>          <br>          <button *type*="submit" *name*="submit">Login</button>      </form>      <?php if (isset($error\_message)): ?>          <p>              <?php echo $error\_message; ?>          </p>      <?php endif; ?>  </body>  </html> |

1. Buat form menu dengan nama index.php



Copy code sbb :

|  |
| --- |
| <?php  session\_start();  // Cek apakah pengguna telah login  if (!isset($\_SESSION['username'])) {      header("Location: login.php");      exit();  }  // Lanjutkan dengan tampilan halaman menu jika pengguna telah login  ?>  <!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">      <title>Menu Utama</title>  </head>  <body>      <h1>Menu Utama</h1>      <ul>          <li><a *href*="view/barang/barang.php">Menu Barang</a></li>          <li><a *href*="menu\_transaksi.php">Menu Transaksi</a></li>          <li><a *href*="view/supplier/supplier.php">Menu Supplier</a></li>          <li><a *href*="menu\_pembelian.php">Menu Pembelian</a></li>          <li><a *href*="menu\_pembayaran.php">Menu Pembayaran</a></li>          <li><a *href*="logout.php">Keluar</a></li>      </ul>  </body>  </html> |

Menu Barang

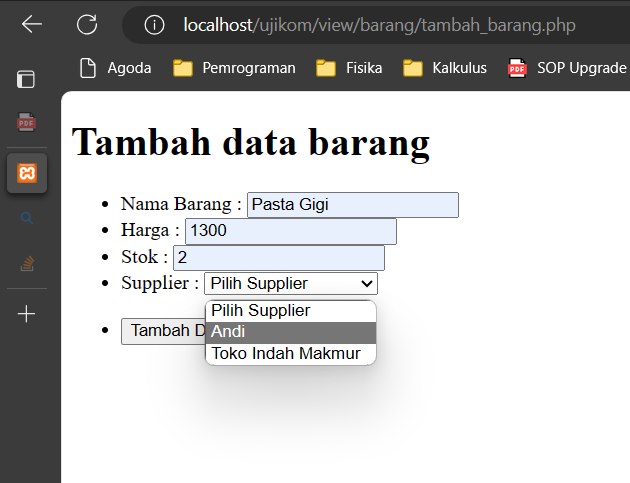
1. Buat tampilan barang



1. Pada button BARANG copy code sbb:

|  |
| --- |
| <?php  session\_start();  // Cek apakah pengguna telah login  if (!isset($\_SESSION['username'])) {      header("Location: login.php");      exit();  }  // Lanjutkan dengan tampilan halaman menu jika pengguna telah login  ?>  <?php  require '../../functions.php';  $barang = query(      "SELECT barang.id\_barang as id\_barang, barang.nama\_barang as nama\_barang, barang.harga as harga, barang.stok as stok, barang.id\_supplier as id\_supplier, supplier.nama\_supplier as nama\_supplier      FROM barang      LEFT JOIN supplier      ON barang.id\_supplier = supplier.id\_supplier"  );  //tombol cari ditekan  if (isset($\_POST['cari'])) {      $barang = cariBarang($\_POST["keyword"]);  }  ?>  <!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">      <title>Halaman Admin</title>  </head>  <body>      <h1>Daftar Barang</h1>      <a *href*="../../index.php">Menu</a>      <a *href*="tambah\_barang.php">Tambah Data Barang</a>      <!-- <a href="print.php">print</a> -->      <br><br>      <form *action*="" *method*="post">          <input *type*="text" *name*="keyword" *size*="40" *autofocus* *placeholder*="masukkan keyword pencarian..."  *autocomplete*="off">          <button *type*="submit" *name*="cari">Cari !</button>      </form>      <br>        <table *border*="1" *cellpadding*="10" *cellspacing*="0">          <tr>              <th>No.</th>              <th>Aksi</th>              <th>Nama Barang</th>              <th>Harga</th>              <th>Stok</th>              <th>Supplier</th>          </tr>          <?php $i = 1; ?>          <?php foreach ($barang as $row): ?>              <tr>                  <td>                      <?= $i; ?>                  </td>                  <td>                      <a *href*="ubah\_barang.php?id=<?= $row["id\_barang"] ?>">ubah</a>                      <a *href*="hapus\_barang.php?id=<?= $row["id\_barang"] ?>"  *onclick*="return confirm('Yakin ingin dihapus ?')">hapus</a>                  </td>                  <td>                      <?= $row["nama\_barang"] ?>                  </td>                  <td>                      <?= $row["harga"] ?>                  </td>                  <td>                      <?= $row["stok"] ?>                  </td>                  <td>                      <?= $row["nama\_supplier"] ?>                  </td>              </tr>              <?php $i++; ?>          <?php endforeach; ?>      </table>  </body>  </html> |

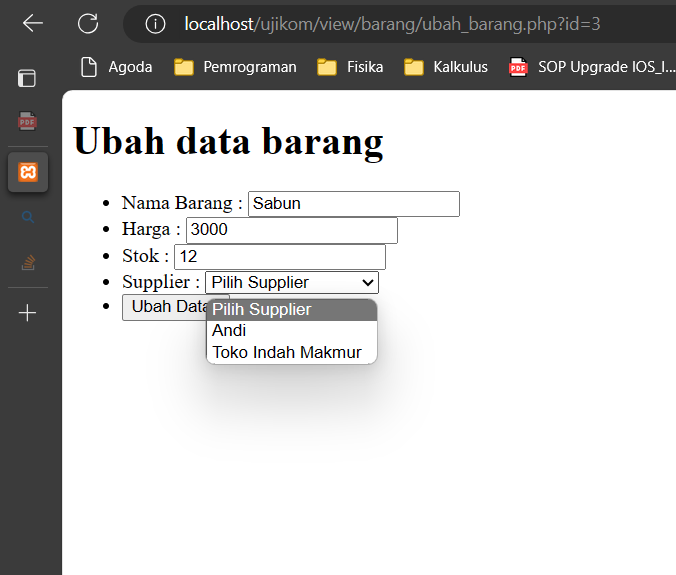
1. Tambah Barang



Copy Code sbb :

|  |
| --- |
| <?php  session\_start();  // Cek apakah pengguna telah login  if (!isset($\_SESSION['username'])) {      header("Location: login.php");      exit();  }  // Lanjutkan dengan tampilan halaman menu jika pengguna telah login  ?>  <?php  require '../../functions.php';  if (isset($\_POST["submit"])) {      if (tambahBarang($\_POST) > 0) {          echo "<script>                  alert('data berhasil ditambahkan !');                  document.location.href = 'barang.php';           </script>";      } else {          echo "<script>      alert('data gagal ditambahkan !');      document.location.href = 'barang.php';  </script>";      }  }  $query = "SELECT \* FROM supplier";  $result = mysqli\_query($conn, $query);  // Inisialisasi array untuk menyimpan data supplier  $suppliers = [];  while ($row = mysqli\_fetch\_assoc($result)) {      $suppliers[] = $row;  }  //  ?>  <!DOCTYPE *html*>  <html *lang*="en">  <head>      <meta *charset*="UTF-8">      <meta *http-equiv*="X-UA-Compatible" *content*="IE=edge">      <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">      <title>Tambah Data Barang</title>  </head>  <body>      <h1>Tambah data barang</h1>      <form *action*="" *method*="post">          <ul>              <li>                  <label *for*="nama\_barang">Nama Barang : </label>                  <input *type*="text" *name*="nama\_barang" *id*="nama\_barang" *required*>              </li>              <li>                  <label *for*="harga">Harga : </label>                  <input *type*="number" *name*="harga" *id*="harga">              </li>              <li>                  <label *for*="stok">Stok : </label>                  <input *type*="number" *name*="stok" *id*="stok">              </li>              <li>                  <label *for*="supplier">Supplier : </label>                  <select *name*="id\_supplier" *id*="id\_supplier" *required*>                      <option *value*="">Pilih Supplier</option>                      <?php foreach ($suppliers as $supplier): ?>                          <option *value*="<?= $supplier['id\_supplier']; ?>">                              <?= $supplier['nama\_supplier']; ?>                          </option>                      <?php endforeach; ?>                  </select>              </li>              </br>              <li>                  <button *type*="submit" *name*="submit">Tambah Data !</button>              </li>          </ul>      </form>  </body>  </html> |

1. Buat Tampilan Ubah Barang :

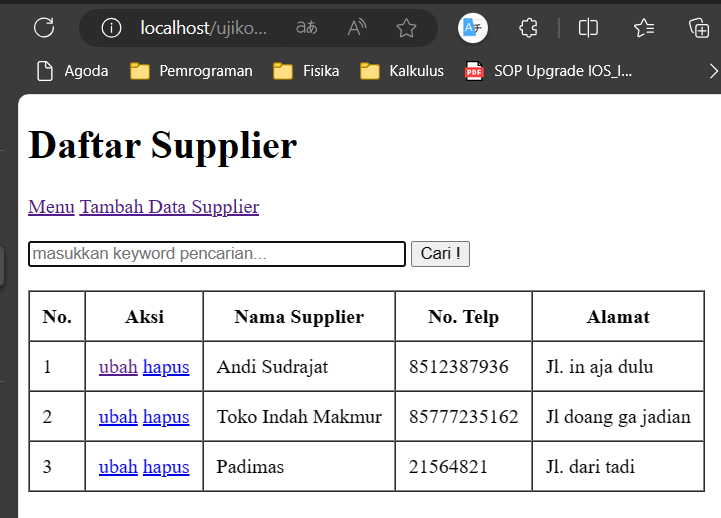


Copy code sbb :

|  |
| --- |
| <?php  session\_start();  // Cek apakah pengguna telah login  if (!isset($\_SESSION['username'])) {      header("Location: login.php");      exit();  }  // Lanjutkan dengan tampilan halaman menu jika pengguna telah login  ?>  <?php  require '../../functions.php';  //ambil data di url  $id = $\_GET["id"];  //query data mahasiswa  $brg = query("SELECT \* FROM barang WHERE id\_barang=$id")[0];    if (isset($\_POST["submit"])) {      if (ubahBarang($\_POST) > 0) {          echo "<script>                  alert('data berhasil diubah !');                  document.location.href = 'barang.php';           </script>";      } else {          echo "<script>      alert('data gagal diubah !');      document.location.href = 'barang.php';  </script>";      }  }  $query = "SELECT \* FROM supplier";  $result = mysqli\_query($conn, $query);  // Inisialisasi array untuk menyimpan data supplier  $suppliers = [];  while ($row = mysqli\_fetch\_assoc($result)) {      $suppliers[] = $row;  }  //  ?>  <!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">      <title>Ubah Data Barang</title>  </head>  <body>      <h1>Ubah data barang</h1>      <form *action*="" *method*="post">          <input *type*="hidden" *name*="id\_barang" *value*="<?= $brg["id\_barang"]; ?>">          <ul>              <li>                  <label *for*="nama\_barang">Nama Barang : </label>                  <input *type*="text" *name*="nama\_barang" *value*="<?= $brg["nama\_barang"]; ?>" *id*="nama\_barang" *required*>              </li>              <li>                  <label *for*="harga">Harga : </label>                  <input *type*="number" *name*="harga" *value*="<?= $brg["harga"]; ?>" *id*="harga">              </li>              <li>                  <label *for*="stok">Stok : </label>                  <input *type*="number" *name*="stok" *value*="<?= $brg["stok"]; ?>" *id*="stok">              </li>              <li>                  <label *for*="supplier">Supplier : </label>                  <select *name*="id\_supplier" *id*="id\_supplier" *required*>                      <option *value*="">Pilih Supplier</option>                      <?php foreach ($suppliers as $supplier): ?>                          <option *value*="<?= $supplier['id\_supplier']; ?>">                              <?= $supplier['nama\_supplier']; ?>                          </option>                      <?php endforeach; ?>                  </select>              </li>              <li>                  <button *type*="submit" *name*="submit">Ubah Data !</button>              </li>          </ul>      </form>  </body>  </html> |

Menu Supplier

1. Menu supplier



Copy Code sbb :

|  |
| --- |
|  |

# Pengujian

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Skenario  Pengujian | Kasus  Pengujian | Hasil yang  Diharapkan | Hasil  Pengujian | Kesimpulan |
| 1 | Login | Masukan username dan password pada form login lalu klik login | Berhasil login dan muncul halaman menu | Sesuai | Form login berfungsi dengan baik |
| 2 | Menu Barang | Pada halaman menu, pilih menu barang | Berhasil menampilkan halaman menu barang dan tampil data barang | Sesuai | Hyperlink dan query data barang berfungsi dengan baik |
| 3 | Tambah Barang | Pada halaman menu barang, pilih tambah data barang | Isikan form data barang, lalu klik tambah data, setelah berhasil maka akan muncul pesan berhasil dan akan dialihlan ke halaman menu barang. | Sesuai | Fungsi tambah data barang berfungsi dengan baik |
| 4 | Ubah Barang | Pada halaman menu barang, pilih ubah pada salah satu data barang, | Update data barang yang diinginkan, lalu klik ubah data, muncul pesan sukses lalu akan dialihkan ke halaman menu barang | Sesuai | Fungsi ubah data berjalan dengan baik |
| 5 | Hapus Barang | Pada halaman menu barang, pilih hapus pada salah satu data barang, | Konfirmasi penghapusan dengan memilih oke pada pop up yang muncul | Sesuai | Fungsi hapus data berjalan dengan baik |