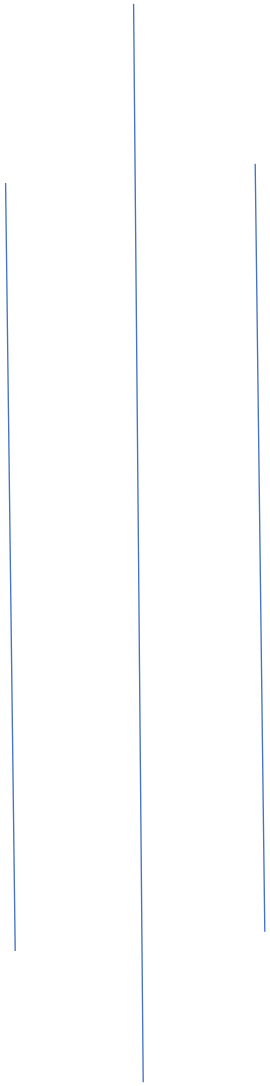
LAPORAN UJIAN AKHIR SEMESTER

PEMROGRAMAN WEB DINAMIS



Jarot Setiawan

L200190247

D

Penjelasan

Kali ini saya menggunakan sistem informasi Kesehatan pada apotik rumah sakit, yaitu mencatat riwayat pembelian obat pada apotik, desain pada website menggunakan Freamwork Bootstrap, website ini belum terlalu kompleks, hanya pada table obat yang melakukan CRUD, karena dalam instrukksi soal “Melakukan CRUD pada salah satu tabel”;

File PHP – Login

```
<?php
    include 'koneksi.php';

    if(isset($_POST['login'])){
        $username = $_POST['username'];
        $pass = $_POST['password'];

        cekAkun($username, $pass);
    }
?>

<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">

    <title>Login Apotik</title>
  </head>
  <body style="height: 100vh; width: 100vw;" class="d-flex align-items-center
justify-content-center bg-secondary bg-opacity-25">
    <div class="container">
        <div class=""login"">
            <form action="" method="post" class="text-center">
                <h1>Login Form</h1>
                <div class="form-login my-3">
                    <div class="row d-flex justify-conten-center">
```

```
                        <div class="col text-end my-2">
                            <h3>Username</h3>
                            <h3>Password</h3>
                        </div>
                        <div class="col d-flex flex-column text-start">
                            <input type="text" name="username" style="width:
15vw; height: 50%;" required>
                            <input type="password" name="password" style="width:
15vw; height: 50%;" required>
                        </div>
                    </div>
                    <input type="submit" name="login" value="login" style="width:
15vw; margin-top: 10px;">
                </div>
            </form>
        </div>
    </div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
  </body>
</html>
```

File PHP – Koneksi

```
<?php
    $conn = mysqli_connect('localhost', 'root', '', 'kesehatan');


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

    function rupiah($angka){

        $hasil_rupiah = number_format($angka,2,',','.');
        return $hasil_rupiah;
```

```
    }

    function cekAkun($username, $pass){
        $data = query("select * from user where username='$username'");
        if($data){
            if($data[0]['password']==$pass){
                echo "<script>alert('Login Berhasil');</script>";
            } else {
                echo "<script>alert('Login Gagal');</script>";
            }
        } else {
            echo "<script>alert('Username Tidak Ada');</script>";
        }
    }

    function getLastId($data, $key){
        $akhir = $data[count($data)-1][$key];
        $akhir = substr($akhir, -3, 3)+1;
        $panjang = strlen($akhir);
        if($panjang == 1){
            $akhir = '00'.$akhir;
        } elseif ($panjang == 2){
            $akhir = '0'.$akhir;
        }
        return $akhir;
    }
?>
```

FILE PHP – Index

```
<?php
    include 'koneksi.php';

    if(isset($_POST['tambahTransaksi'])){
        function kurangiStok($obat, $jumlah){
            global $conn;

            $stokObat = query("select stok from obat where id_obat='$obat'");
            $ganti = $stokObat[0]['stok'] - $jumlah;
            if($ganti < 0){
                echo "<script>alert('Stok kurang');</script>";
                return false;
            } else {
```

```
                mysqli_query($conn, "update obat set stok='$ganti' where
id_obat='$obat'");
                return true;
            }
        }
        $data_transaksi = query("select * from transaksi");
        $id = getLastId($data_transaksi, 'id_transaksi');
        $dokter = $_POST['dokter'];
        $pasien = $_POST['pasien'];
        $obat = $_POST['obat'];
        $jumlah = $_POST['jumlah'];
        $keterangan = $_POST['keterangan'];

        $query = "insert into transaksi values ('TRS$id', '$dokter', '$pasien',
'$obat', '$jumlah', '$keterangan');";

        if(kurangiStok($obat, $jumlah)){
            if(mysqli_query($conn, $query)){

                echo "<script>alert('Data berhasil ditambah');</script>";
            } else {
                echo "<script>alert('Data gagal ditambah');</script>";
            }
        } else {
            echo "<script>alert('Data gagal ditambah');</script>";
        }
    }
?>

<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">

    <title>Apotik</title>
  </head>
```

```
  <body style="height: 100vh; width: 100vw;" class="bg-secondary bg-opacity-25">
    <div class="container py-5">
        <a href="obat.php" class="text-decoration-none text-white fw-bold px-3
py-2 bg-info">Obat</a>
    </div>
    <div class="container text-center d-flex flex-column justify-content-center">
        <h3>Input Transaksi</h3>
        <form action="" method="post">
        <center>
        <table>
            <tr>
                <?php
                    $pasien = query("select * from pasien");
                ?>
                <td>Pasien</td>
                <td>:</td>
                <td><select name="pasien" required>
                    <?php foreach($pasien as $row): ?>
                    <option value="<?= $row['id_pasien'] ?>"><?=
$row['nama_pasien'] ?></option>
                    <?php endforeach ?>
                </select></td>
            </tr>
            <tr>
                <?php
                    $dokter = query("select * from dokter");
                ?>
                <td>Dokter</td>
                <td>:</td>
                <td><select name="dokter" required>
                    <?php foreach($dokter as $row): ?>
                    <option value="<?= $row['id_dokter'] ?>"><?=
$row['nama_dokter'] ?></option>
                    <?php endforeach ?>
                </select></td>
            </tr>
            <tr>
                <?php
                    $obat = query("select * from obat");
                ?>
                <td>Obat</td>
                <td>:</td>
                <td><select name="obat" required>
                    <?php foreach($obat as $row): ?>
```

```
                    <option value="<?= $row['id_obat'] ?>"><?= $row['nama_obat']
?></option>
                    <?php endforeach ?>
                </select></td>
            </tr>
            <tr>
                <td>Jumlah</td>
                <td>:</td>
                <td><input type="number" name="jumlah" maxlength="2"
required></td>
            </tr>
            <tr>
                <td>Keterangan</td>
                <td>:</td>
                <td><input type="text" name="keterangan" maxlength="10"
required></td>
            </tr>
            <tr>
                <td colspan="3" class="text-center"><input type="submit"
name="tambahTransaksi" value="Tambah Transaksi" class="text-decoration-none text-
white fw-bold px-3 py-2 bg-success border-0"></td>
            </tr>
        </form>
        </table>
        </center>
        <hr>
        <h3>Riwayat Transaksi</h3>
        <table style="width: 100%; margin-top: 10px">
            <tr>
                <?php
                    $transaksi = query("select transaksi.*, dokter.*, pasien.*,
obat.* from transaksi join dokter on transaksi.id_dokter=dokter.id_dokter join
pasien on transaksi.id_pasien=pasien.id_pasien join obat on
transaksi.id_obat=obat.id_obat");
                ?>
                <th>ID Transaksi</th>
                <th>Dokter</th>
                <th>Pasien</th>
                <th>Obat</th>
                <th>Jumlah</th>
                <th>Harga</th>
                <th>Keterangan</th>
                <th>Aksi</th>
            </tr>
            <?php foreach($transaksi as $row): ?>
```

```
            <tr>
                <td><?= $row['id_transaksi'] ?></td>
                <td><?= $row['nama_dokter'] ?></td>
                <td><?= $row['nama_pasien'] ?></td>
                <td><?= $row['nama_obat'] ?></td>
                <td><?= $row['jumlah'] ?></td>
                <td><?= rupiah($row['harga']*$row['jumlah']) ?></td>
                <td><?= $row['keterangan_transaksi'] ?></td>
                <td><a href="hapus.php?id=<?= $row['id_transaksi']
?>&tabel=transaksi" class="text-decoration-none text-white fw-bold px-3 py-1 bg-
danger">Hapus</a></td>
            </tr>
            <?php endforeach ?>
        </table>
    </div>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
  </body>
</html>
```

FILE PHP – Obat

```
<?php
    include 'koneksi.php';

    if(isset($_POST['tambahobat'])){
        $data_obat = query("select * from obat");
        $id_obat = getLastId($data_obat, 'id_obat');
        $nama_obat = $_POST['nama_obat'];
        $harga = $_POST['harga'];
        $stok = $_POST['stok'];

        $query = "insert into obat values('OBT$id_obat', '$nama_obat', '$harga',
'$stok')";
        if(mysqli_query($conn, $query)){
            echo "<script>alert('Data berhasil masuk');</script>";
        } else {
            echo "<script>alert('Data gagal masuk');</script>";
        }
    }
```

```php
    if(isset($_POST['tambahstok'])){
        $id_obat = $_POST['id'];
        $harga_obat = query("select stok from obat where id_obat='$id_obat'");
        $tambah = $_POST['jumlahstok']+$harga_obat[0]['stok'];
        $query = "update obat set stok='$tambah' where id_obat='$id_obat'";

        if(mysqli_query($conn, $query)){
            echo "<script>alert('Data berhasil ditambah');</script>";
        } else {
            echo "<script>alert('Data gagal ditambah');</script>";
        }
    }

    if(isset($_POST['gantiHarga'])){
        $id_obat = $_POST['id'];
        $ganti = $_POST['hargaBaru'];
        $query = "update obat set harga='$ganti' where id_obat='$id_obat'";

        if(mysqli_query($conn, $query)){
            echo "<script>alert('Data berhasil ditambah');</script>";
        } else {
            echo "<script>alert('Data gagal ditambah');</script>";
        }
    }

    if(isset($_POST['gantiNama'])){
        $id_obat = $_POST['id'];
        $ganti = $_POST['namaBaru'];
        $query = "update obat set nama_obat='$ganti' where id_obat='$id_obat'";

        if(mysqli_query($conn, $query)){
            echo "<script>alert('Data berhasil ditambah');</script>";
        } else {
            echo "<script>alert('Data gagal ditambah');</script>";
        }
    }
?>

<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
    <!-- Bootstrap CSS -->
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rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">

    <title>Apotik</title>
  </head>
  <body style="height: 100vh; width: 100vw;" class="bg-secondary bg-opacity-25">
    <div class="container py-5">
        <a href="index.php" class="text-decoration-none text-white fw-bold px-3
py-2 bg-info">Transaksi</a>
    </div>
    <div class="container text-center d-flex flex-column justify-content-center">
        <h3>Input Obat</h3>
        <form action="" method="post">
        <center>
        <table>
            <tr>
                <td>Nama</td>
                <td>:</td>
                <td><input type="text" name="nama_obat" required></td>
            </tr>
            <tr>
                <td>Harga</td>
                <td>:</td>
                <td><input type="number" name="harga" id=""></td>
            </tr>
            <tr>
                <td>Stok</td>
                <td>:</td>
                <td><input type="number" name="stok" maxlength="3" required></td>
            </tr>
            <tr>
                <td colspan="3" class="text-center"><input type="submit"
name="tambahobat" value="Tambah Obat" class="text-decoration-none text-white fw-
bold px-3 py-2 bg-success border-0"></td>
            </tr>
        </form>
        </table>
        </center>
        <hr>
        <h3>Data Obat</h3>
        <table style="width: 100%; margin-top: 10px;">
```

```
            <tr>
                <?php
                    $obat = query("select * from obat");
                ?>
                <th>ID Obat</th>
                <th>Nama</th>
                <th>Harga</th>
                <th>Stok</th>
                <th>Tambah Stok</th>
            </tr>
            <?php foreach($obat as $row): ?>
            <tr>
                <td><?= $row['id_obat'] ?></td>
                <td><?= $row['nama_obat'] ?>
                    <form method="post">
                        <input type="hidden" name="id" value="<?= $row['id_obat']
?>">
                        <input type="text" name="namaBaru" required>
                        <input type="submit" name="gantiNama" value="Ganti Nama"
class="text-white fw-bold px-3 py-2 bg-warning border-0">
                    </form>
                </td>
                <td><?= rupiah($row['harga']) ?>
                    <form method="post">
                    <input type="hidden" name="id" value="<?= $row['id_obat']
?>">
                        <input type="number" name="hargaBaru" required>
                        <input type="submit" name="gantiHarga" value="Ganti
Harga" class="text-white fw-bold px-3 py-2 bg-primary border-0">
                    </form>
                </td>
                <td><?= $row['stok'] ?>
                    <form method="post">
                    <input type="hidden" name="id" value="<?= $row['id_obat']
?>">
                        <input type="number" name="jumlahstok" required>
                        <input type="submit" name="tambahstok" value="Tambah
Stok" class="text-white fw-bold px-3 py-2 bg-success border-0">
                    </form>
                </td>
                <td>
                    <a href="hapus.php?id=<?= $row['id_obat'] ?>&tabel=obat"
class="text-decoration-none text-white fw-bold px-3 py-2 bg-danger">Hapus</a>
                </td>
            </tr>
```

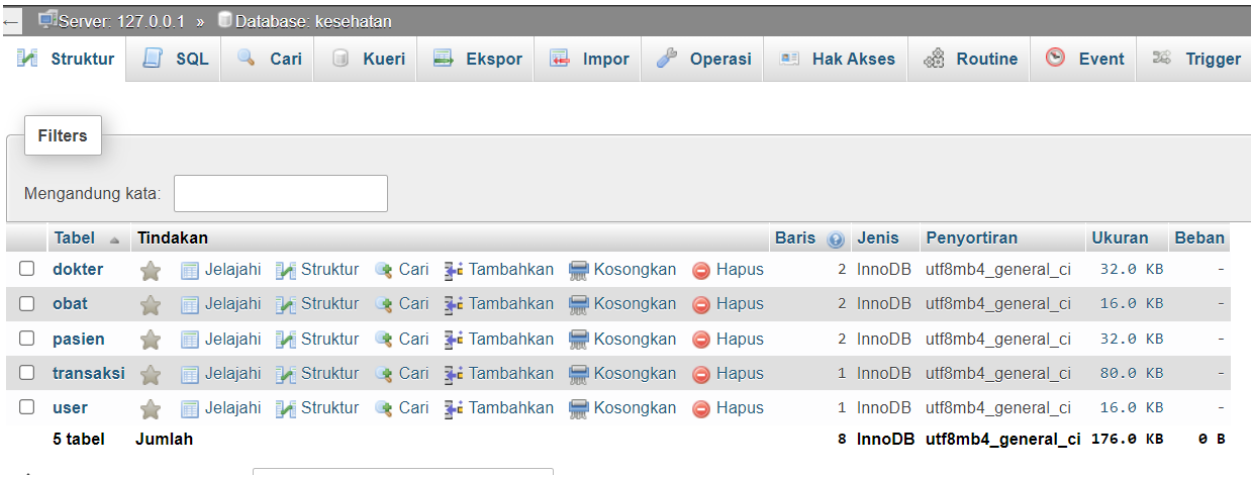
```
            <?php endforeach ?>
        </table>
    </div>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
  </body>
</html>
```

File PHP – Hapus

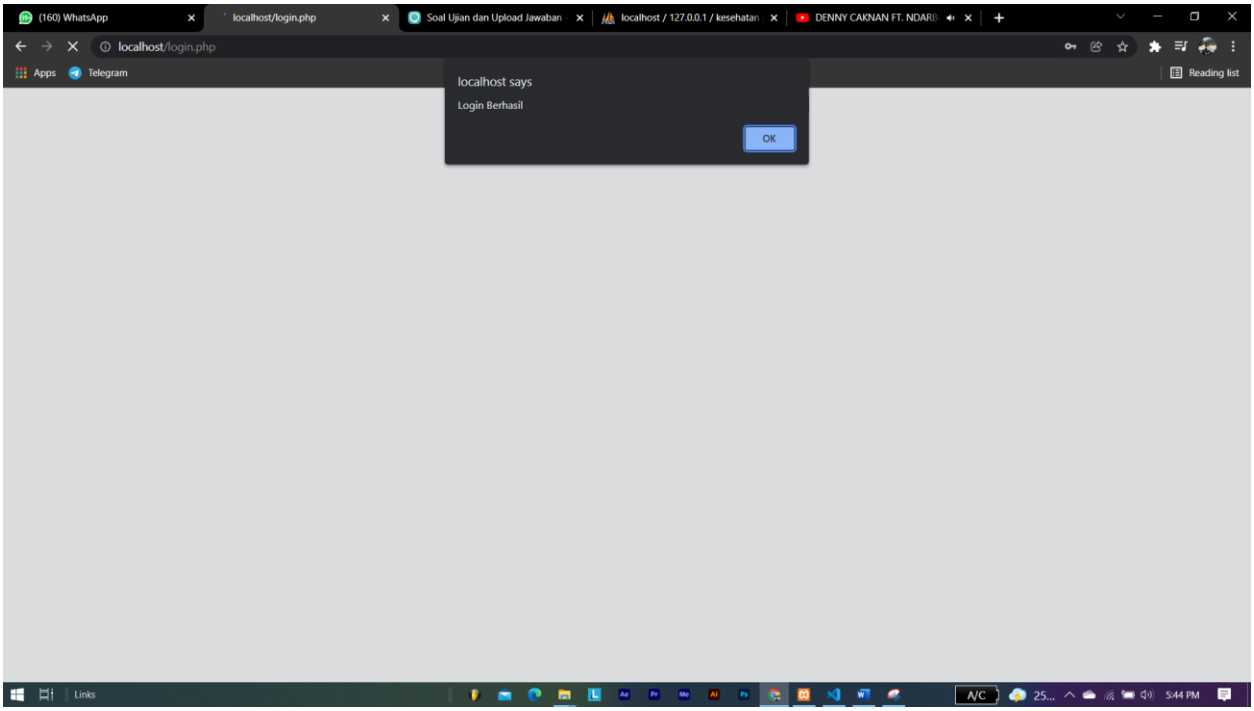
```
<?php
    include 'koneksi.php';

    $tabel = $_GET['tabel'];
    $id = $_GET['id'];

    $query = "delete from $tabel where id_$tabel='$id'";

    if(mysqli_query($conn, $query)){
        echo "<script>alert('Data berhasil dihapus');</script>";
        echo "<script>location.href = 'index.php'</script>";
    } else {
        echo "<script>alert('Data gagal dihapus');</script>";
        echo "<script>location.href = 'index.php'</script>";
    }
?>
```

IMPLEMENTASI

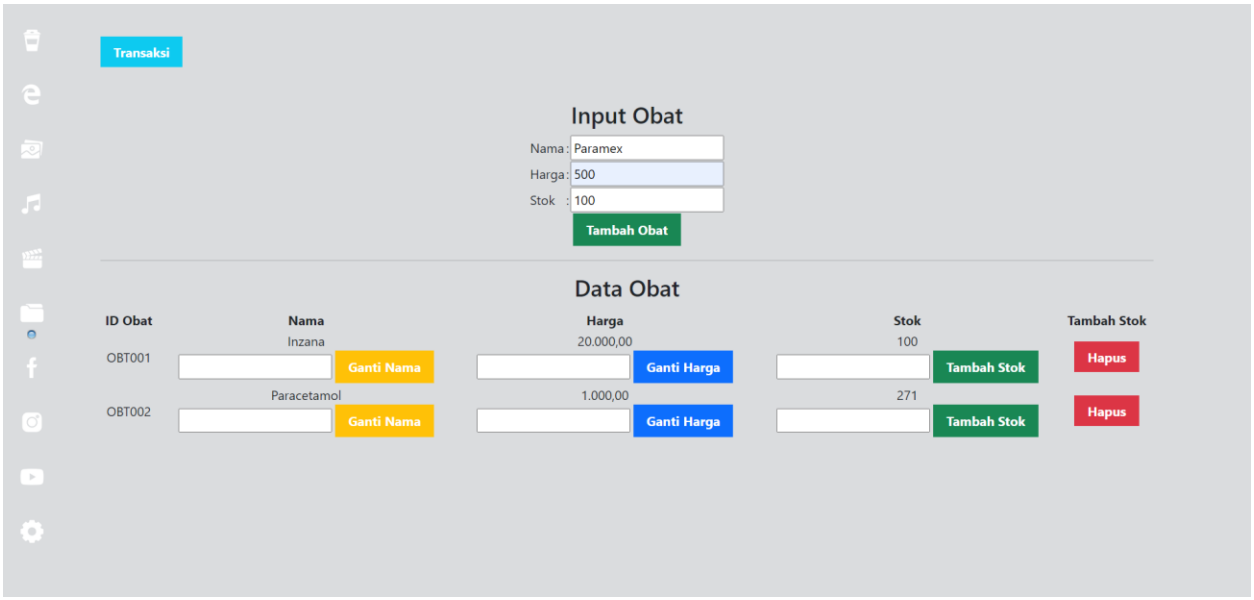
a. **Database**



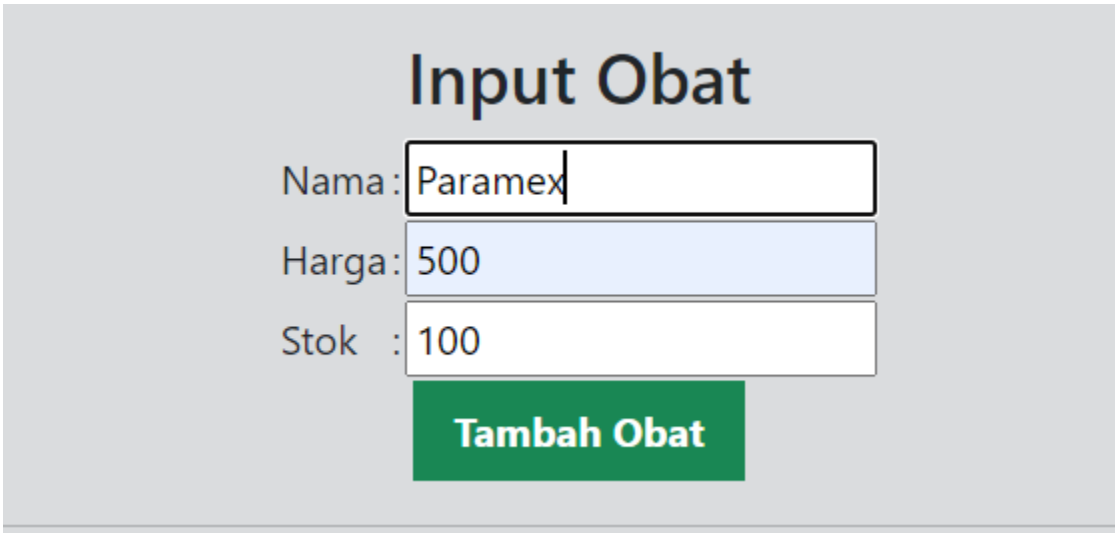
b. Proses Login

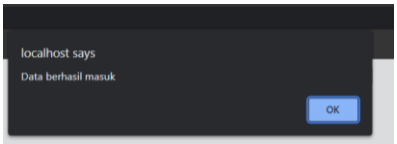


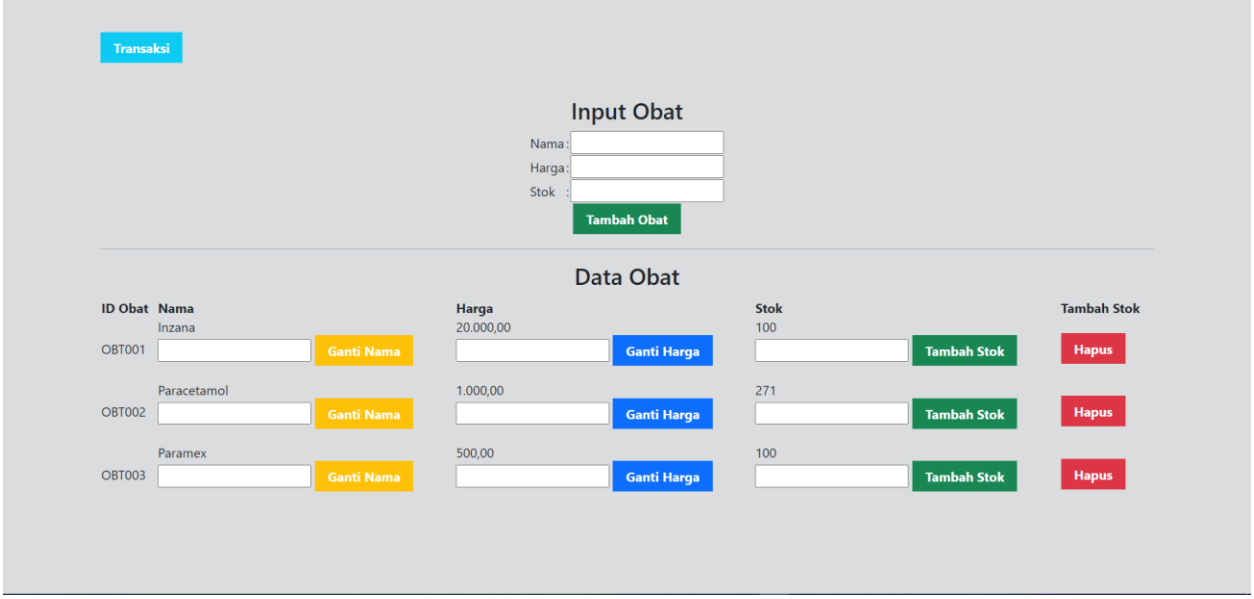
c. CRUD



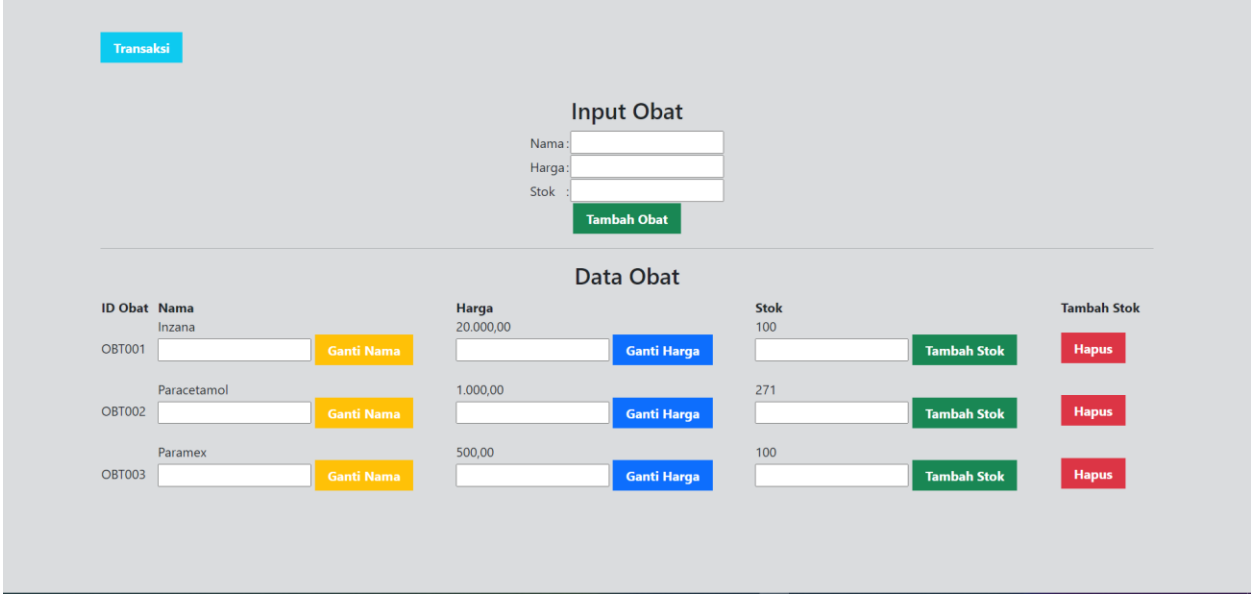
a. Create



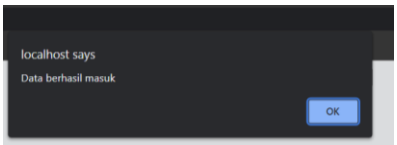


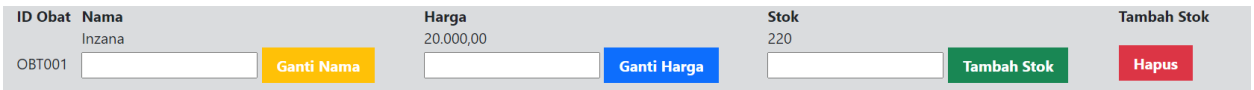


b. Read

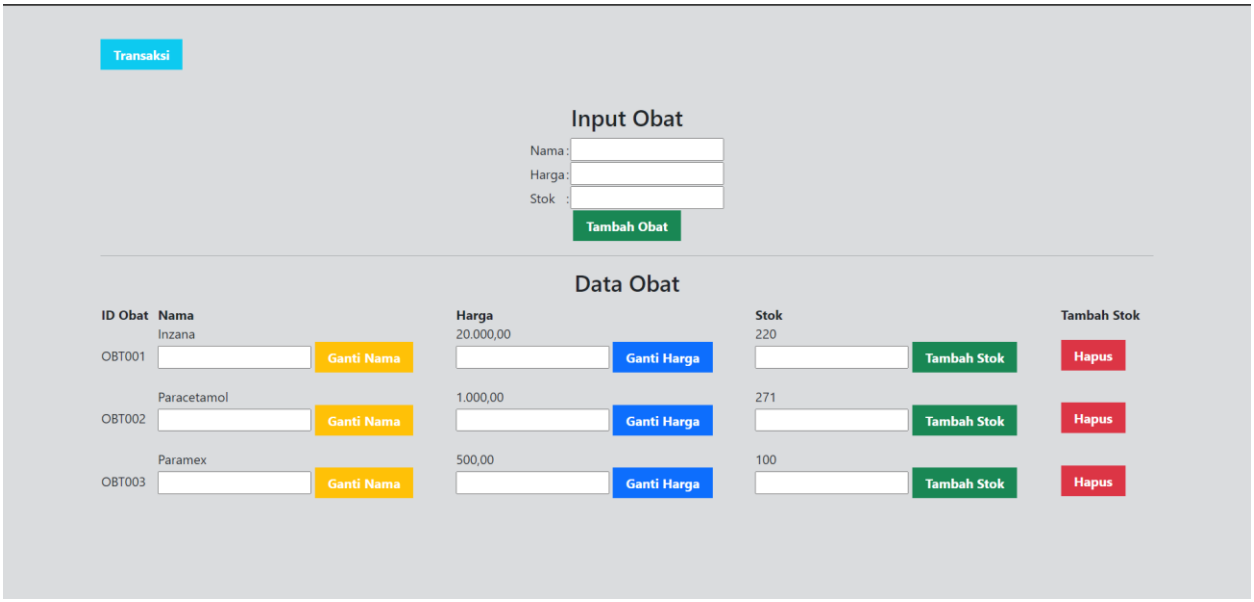


c. Update

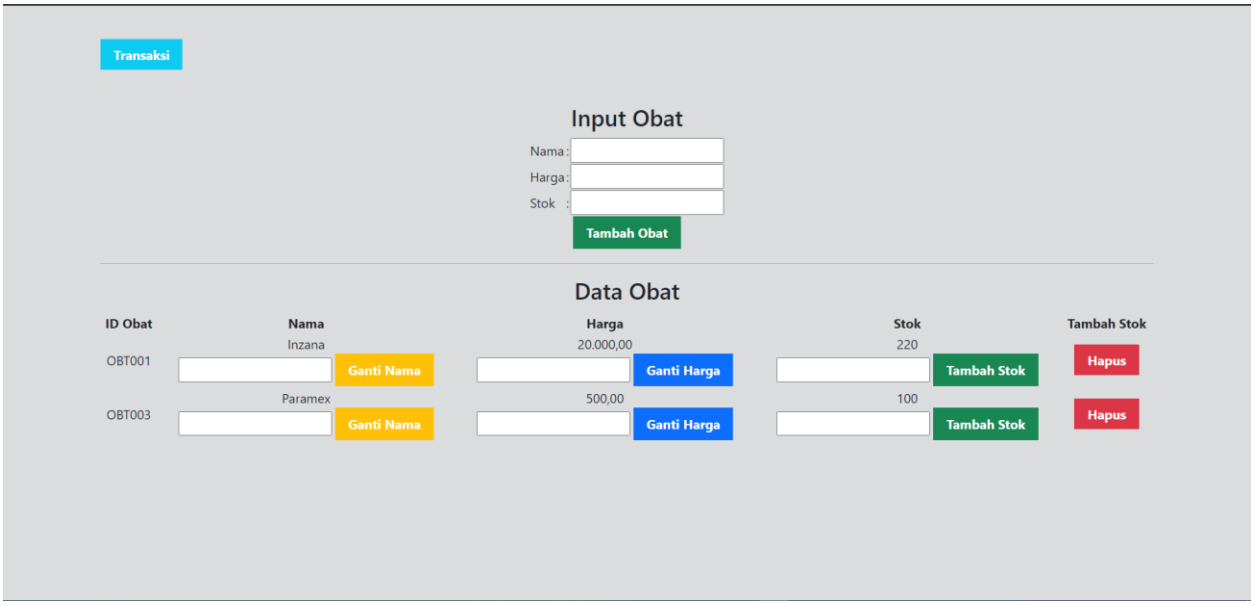




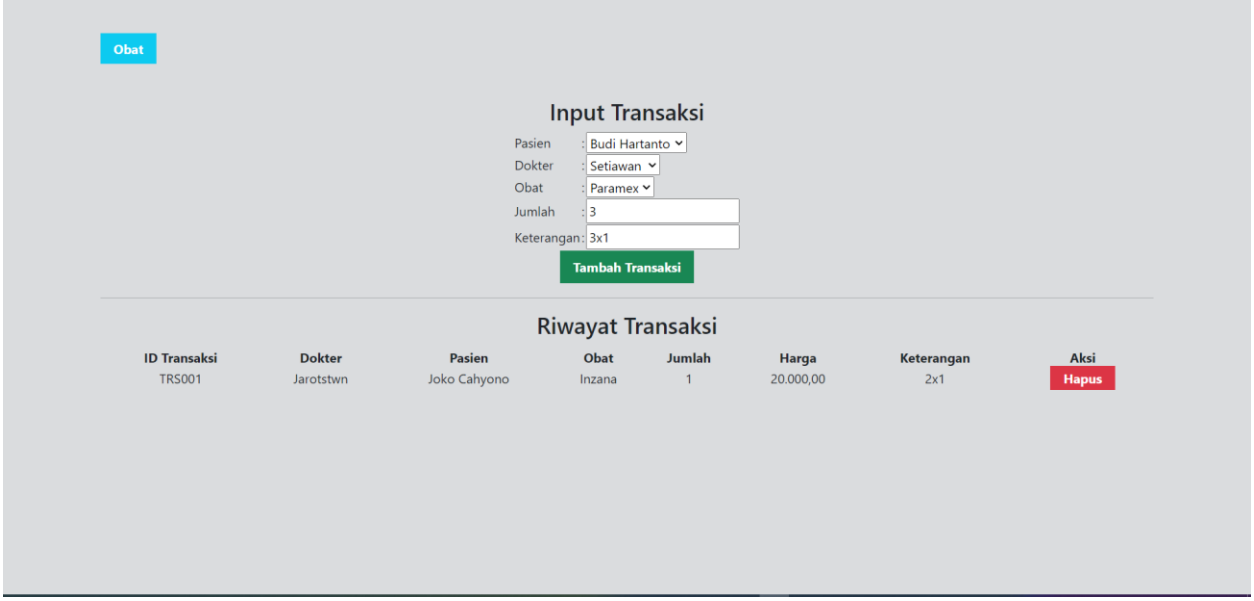
d. Delete

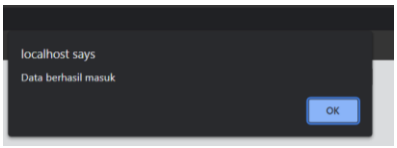

Transaksi
Input Obat
Nama :
Harga :
Stok :
Tambah Obat
Data Obat
ID Obat
Nama
Harga
Stok
Tambah Stok
OBT001
Inzana
20.000,00
220
Ganti Nama
Ganti Harga
Tambah Stok
Hapus
OBT002
Paracetamol
1.000,00
271
Ganti Nama
Ganti Harga
Tambah Stok
Hapus
OBT003
Paramex
500,00
100
Ganti Nama
Ganti Harga
Tambah Stok
Hapus

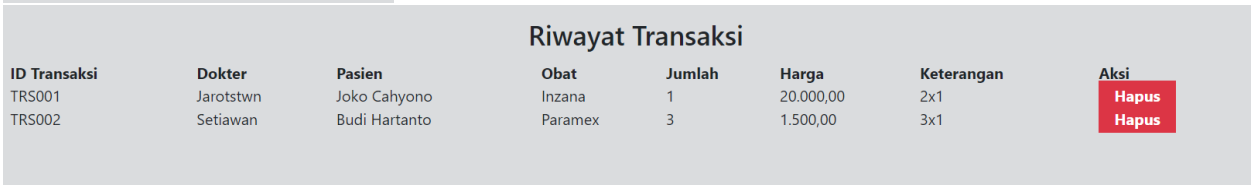
localhost says
Data berhasil dihapus
OK


Transaksi
Input Obat
Nama :
Harga :
Stok :
Tambah Obat
Data Obat
ID Obat
Nama
Harga
Stok
Tambah Stok
OBT001
Inzana
20.000,00
220
Ganti Nama
Ganti Harga
Tambah Stok
Hapus
OBT003
Paramex
500,00
100
Ganti Nama
Ganti Harga
Tambah Stok
Hapus

d. Tambah Transaksi







***Join berada pada Riwayat Transaksi, dengan mengambil masing masing id, kemudian dicocok kan dengan fungsi on, lalu mengambil data yang diperlukan**

Query join :

select transaksi.*, dokter.*, pasien.*, obat.* from transaksi join dokter on transaksi.id_dokter=dokter.id_dokter join pasien on transaksi.id_pasien=pasien.id_pasien join obat on transaksi.id_obat=obat.id_obat