

# LATIHAN

## (Siapkan PC/Laptop)

Sudah Terinstall (Minimal):

1. Xampp (jalankan Localhost)
2. Teks Editor (Menulis Script)

# Pakai Bootstrap

<https://getbootstrap.com/docs/5.3/getting-started/introduction/>

# Koneksi Database (koneksi.php)

## Nama Database (lat\_pegawai)

- <?php
- \$konek =  
mysqli\_connect('localhost','root','','lat\_pegaw  
ai');
- ?>

**BUAT FORM LOGIN**

# CRUD PHP Sederhana

Contoh CRUD (Create, Read, Update, Delete)

Input Login:

- - username
- - password

# Struktur Tabel MySQL

- Buat Database dengan nama lat\_pegawai
  - Pakai XAMPP
- 
- CREATE TABLE user (
    - id INT AUTO\_INCREMENT PRIMARY KEY,
    - username VARCHAR(100),
    - password VARCHAR(100)
    - );

# XAMPP

http://localhost/phpmyadmin/

The screenshot displays the phpMyAdmin web interface. The top navigation bar shows the server path: Server: 127.0.0.1 » Database: lat\_pegawai » Table: user. Below this, a row of tabs includes Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, and Triggers. The 'Structure' tab is active, showing a table with three columns: id, username, and password. Each column has a checkbox for selection and a set of action links (Change, Drop, More). At the bottom, there are links for Print, Propose table structure, Move columns, and Normalize.

phpMyAdmin

Recent Favorites

Type to filter these, Enter to search al X

1 >>>

lat\_pegawai

New

pegawai

user

Server: 127.0.0.1 » Database: lat\_pegawai » Table: user

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(5)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2 username	varchar(100)	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/>	3 password	varchar(50)	latin1_swedish_ci		No	None			Change  Drop  More

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Print Propose table structure Move columns Normalize

# MEENGAMBIL DATA LOGIN

- <?php
- include 'koneksi.php';
- \$data = mysqli\_query(\$konek, "SELECT \*  
FROM user");
- ?>



# Terapkan Select

```
<?php
session_start();
include "koneksi.php";

// Jika tombol login diklik
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $user = $_POST['username'];
    $pass = $_POST['password'];

    // QUERY CEK USER
    $sql = "SELECT * FROM user WHERE username='$user' AND password='$pass'";
    $cek = mysqli_query($koneksi, $sql);

    // Jika data ditemukan
    if (mysqli_num_rows($cek) === 1) {
        $_SESSION['login'] = true;
        $_SESSION['username'] = $user;
        header("Location: dashboard.php");
        exit;
    } else {
        session_start();
        $error = "Username atau Password Salah!";
        $_SESSION['login_error'] = $error;
        header("Location: login.php");
        exit;
    }
}
```

```
<h3 class="text-center">Login</h3>
```

```
<?php
```

```
// Kirimkan dari proses_login.php
```

```
session_start();
```

```
if (isset($_SESSION['login_error'])) {
```

```
    echo "<div class='alert alert-danger text-center fw-bold'>
```

```
        "._SESSION['login_error']."
```

```
    </div>";
```

```
    unset($_SESSION['login_error']);
```

```
}
```

```
?>
```

```
<form method="POST" action="proses_login.php">
```

```
    <div class="mb-3">
```

```
        <label class="form-label">Username</label>
```

```
        <input type="text" name="username" required class="form-control" placeholder="Masukkan username">
```

```
    </div>
```

```
    <div class="mb-3">
```

```
        <label class="form-label">Password</label>
```

```
        <input type="password" name="password" required class="form-control" placeholder="Masukkan password">
```

```
    </div>
```

```
    <button type="submit" class="btn btn-primary w-100 mt-2">Login</button>
```

```
</form>
```

```
</div>
```

```
</div>
```

```
</div>
```



**BALAI KARANTINA HEWAN IKAN DAN  
TUMBUHAN GORONTALO**

**LATIHAN MEMBUAT APLIKASI KEPEGAWAIAN**

## Login

**Username atau Password Salah!**

Username

bkhitgto

Password

.....

Login

# CRUD PHP Sederhana

Contoh CRUD (Create, Read, Update, Delete)

Input Data:

- - Nama
- - NIP
- - Jabatan

# Struktur Tabel MySQL

- Buat Database dengan nama lat\_pegawai
- Pakai XAMPP
- CREATE TABLE user (
  - id INT AUTO\_INCREMENT PRIMARY KEY,
  - nama VARCHAR(100),
  - nip VARCHAR(50),
  - jabatan VARCHAR(150)
  - );

# XAMPP

http://localhost/phpmyadmin/

The screenshot displays the phpMyAdmin web interface. On the left is a sidebar with a tree view of databases and tables. The main area shows the 'Table structure' view for the 'pegawai' table. The table has four columns: 'id' (int(11), primary key), 'nama' (varchar(100)), 'nip' (int(50)), and 'jabatan' (varchar(150)). Below the table structure, there are options to add, change, or drop columns, and a section for indexes. The 'PRIMARY' index is shown on the 'id' column. At the bottom, there is a 'Partitions' section and a 'Console' tab.

Server: 127.0.0.1 » Database: lat\_pegawai » Table: pegawai

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	nama	varchar(100)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
3	nip	int(50)			No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
4	jabatan	varchar(150)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#)

[Add to central columns](#) [Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

Add 1 column(s) after jabatan [Go](#)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	0	A	No	

Create an index on 1 columns [Go](#)

Partitions

Console

**BUAT FORM INPUTAN**

# CREATE (Tambah Data)

- <?php
- include 'koneksi.php';
- \$nama = \$\_POST['nama'];
- \$nip = \$\_POST['nip'];
- \$jabatan = \$\_POST['jabatan'];
- mysqli\_query(\$koneksi, "INSERT INTO pegawai (nama, nip, jabatan) VALUES('', '\$nama', '\$nip', '\$jabatan')");
- ?>



# Terapkan Create

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

$nama  = $_POST['nama'];
$nip   = $_POST['nip'];
$jabatan = $_POST['jabatan'];

$ccek = mysqli_query($koneksi, "SELECT * FROM pegawai WHERE nip='$nip'");

if ($ccek->num_rows > 0) {
    // Jika data sudah ada
    echo "<script>
        alert('Data Sudah Ada Yang Sama!');
        window.location.href = 'edit.php';
    </script>";
} else {

    $simpan=mysqli_query($koneksi, "INSERT INTO pegawai (nama, nip, jabatan)
        VALUES ('$nama', '$nip', '$jabatan')");

    if ($simpan) {
        echo "<script>
            alert('Data berhasil disimpan!');
            window.location.href = 'edit.php';
        </script>";
    } else {
        echo "<script>
            alert('Gagal menyimpan data: " . mysqli_error($koneksi) . "');
            window.history.back();
        </script>";
    }
}
?>
```

```
<h2 class="text-primary">Form Inputan</h2>
</center>
<div class="container d-flex justify-content-center align-items-center vh-20">

  <form method="post" action="simpan.php">
    <div class="row mb-3">
      <label for="nama" class="col-sm-2 col-form-label text-front">Nama</label>
      <div class="col-sm-10">
        <input type="text" name="nama" class="form-control" placeholder="Input Nama" required autofocus>
      </div>
    </div>
    <div class="row mb-3">
      <label for="nip" class="col-sm-2 col-form-label text-front">NIP</label>
      <div class="col-sm-10">
        <input type="number" name="nip" class="form-control" placeholder="Input NIP" required>
      </div>
    </div>
    <div class="row mb-3">
      <label for="jabatan" class="col-sm-2 col-form-label text-front">Jabatan</label>
      <div class="col-sm-10">
        <input type="text" name="jabatan" class="form-control" placeholder="Input Jabatan" required>
      </div>
    </div>
    <div class="text-center">
      <button type="submit" class="btn btn-info">Simpan</button>
    </div>
  </form>
</div>
<?php
```

# Form Inputan

Dashboard Form Edit/Hapus Tabel-Tabel ▾

## Latihan Aplikasi Pegawai

### Form Inputan

Nama

NIP

Jabatan

Buat Tampilan

# READ (Menampilkan Data)

- <?php
- include 'koneksi.php';
- \$data = mysqli\_query(\$koneksi, "SELECT \* FROM pegawai");
- while(\$d = mysqli\_fetch\_assoc(\$data)){
- echo \$d['nama'].' - '.\$d['nip'].' -  
      '.\$d['jabatan'].'<br>';
- }
- ?>

```

<div class="table-responsive">
  <table class="table table-hover align-middle text-center">
    <thead>
      <tr>
        <th style="width: 5%;">No</th>
        <th style="width: 18%;">Aksi</th>
        <th>Nama</th>
        <th>NIP</th>
        <th>Jabatan</th>
      </tr>
    </thead>
    <tbody>
      <?php
        $sql = mysqli_query($koneksi, "SELECT * FROM pegawai ORDER BY id DESC");
        $no = 1;
        while ($d = mysqli_fetch_array($sql)) {
          ?>
          <tr>
            <td class="text-center fw-semibold"><?= $no++; ?></td>
            <td class="text-center">
              <a href="editpegawai.php?id=<?= htmlspecialchars($d['id']); ?>" class="btn btn-warning btn-sm rounded-pill px-3 me-1">
                Edit
              </a>
              <a href="hapuspegawai.php?id=<?= htmlspecialchars($d['id']); ?>" class="btn btn-danger btn-sm rounded-pill px-3"
                onclick="return confirm('Yakin ingin menghapus data ini?');">
                Hapus
              </a>
            </td>
            <td><?= htmlspecialchars($d['nama']); ?></td>
            <td><?= htmlspecialchars($d['nip']); ?></td>
            <td><?= htmlspecialchars($d['jabatan']); ?></td>
          </tr>
        }
      </tbody>
    </table>
  </div>

```

# READ (Menampilkan Data)

DASHBOARD FORM EDIT/HAPUS TABEL-TABEL ▾ KELUAR

## TABEL EDIT/HAPUS

No	Aksi	Nama	NIP	Jabatan
1	<input type="button" value="Edit"/> <input type="button" value="Hapus"/>	Nugroho Lejar Hadi Widodo	198403152010121002	Pranata Komputer Mahir
2	<input type="button" value="Edit"/> <input type="button" value="Hapus"/>	Hasanuddin	197704182008121002	Paramedik Karantina Hewan Mahir
3	<input type="button" value="Edit"/> <input type="button" value="Hapus"/>	Loyis Marali	198408012008011004	Pengendali Hama Penyakit Ikan Ahli Pertama
4	<input type="button" value="Edit"/> <input type="button" value="Hapus"/>	Muh. Ardiansyah	199006152015031005	Pengendali Hama Penyakit Ikan Mahir
5	<input type="button" value="Edit"/> <input type="button" value="Hapus"/>	Muh. Khurniani Adnan	200303182025061002	Calon Pengendali Hama dan Penyakit Ikan Ahli Pertama

BUAT UPDATE/EDIT



# UPDATE (Edit Data)

- <?php
- include 'koneksi.php';
- \$id = \$\_POST['id'];
- \$nama = \$\_POST['nama'];
- \$nip = \$\_POST['nip'];
- \$jabatan = \$\_POST['jabatan'];
- mysqli\_query(\$koneksi, "UPDATE pegawai SET nama='\$nama', nip='\$nip', jabatan='\$jabatan' WHERE id='\$id'");
- ?>

# Terapkan Update

```
<?php
include 'koneksi.php';
$id      = $_POST['id'];
$nama    = $_POST['nama'];
$nip     = $_POST['nip'];
$jabatan = $_POST['jabatan'];

$ccek = mysqli_query($konek, "SELECT * FROM pegawai WHERE nama='$nama' and nip='$nip' and jabatan='$jabatan'");

if ($ccek->num_rows > 0) {
    // Jika data sudah ada
    echo "<script>
        alert('Tidak Jadi Disimpan, Tidak Ada Perubahan Data!');
        window.location.href = 'edit.php';
    </script>";
} else {

    $update=mysqli_query($konek, "UPDATE pegawai SET nama='$nama', nip='$nip', jabatan='$jabatan' WHERE id='$id'");

    if ($update) {
        echo "<script>
            alert('Data berhasil diupdate!');
            window.location.href = 'edit.php';
        </script>";
    } else {
        echo "<script>
            alert('Gagal mengupdate data: " . mysqli_error($konek) . "');
            window.history.back();
        </script>";
    }
}
?>
```

```
<h2 class="text-primary">Form Edit</h2>
</center>

<div class="container d-flex justify-content-center align-items-center vh-20">
  <form method="post" action="update.php">
    <input type="hidden" name="id" value="<?= htmlspecialchars($data['id']); ?>">
      <div class="row mb-3">
        <label for="nama" class="col-sm-2 col-form-label text-front">Nama</label>
        <div class="col-sm-10">
          <input type="text" name="nama" class="form-control" value="<?= htmlspecialchars($data['nama']); ?>" required autofocus>
        </div>
      </div>
      <div class="row mb-3">
        <label for="nip" class="col-sm-2 col-form-label text-front">NIP</label>
        <div class="col-sm-10">
          <input type="number" name="nip" class="form-control" value="<?= htmlspecialchars($data['nip']); ?>" required>
        </div>
      </div>
      <div class="row mb-3">
        <label for="jabatan" class="col-sm-2 col-form-label text-front">Jabatan</label>
        <div class="col-sm-10">
          <input type="text" name="jabatan" class="form-control" value="<?= htmlspecialchars($data['jabatan']); ?>" required>
        </div>
      </div>
      <div class="text-center">
        <button type="submit" class="btn btn-primary">Update</button>
      </div>
    </form>
  </div>
```

# UPDATE (Edit Data)

[DASHBOARD](#) [FORM](#) [EDIT/HAPUS](#) [TABEL-TABEL](#) [NASKAH PDF](#) [KELUAR](#)

## Latihan Aplikasi Pegawai

### Form Edit

Nama

NIP

Jabatan

© November 2025 — Designed by the Gorontalo IT Team of the Indonesian Quarantine Authority

**BUAT DELETE**

# DELETE (Hapus Data)

- <?php
- include 'koneksi.php';
- \$id = \$\_GET['id'];
- mysqli\_query(\$koneksi, "DELETE FROM pegawai WHERE id='\$id'");
- ?>

# Terapkan Delete

```
<?php
require_once "koneksi.php";
$id = $_GET['id'];

$hapus=mysqli_query($koneksi, "DELETE FROM pegawai WHERE id='$id'");

if ($hapus) {
    echo "<script>
        alert('Data berhasil dihapus!');
        window.location.href = 'edit.php';
    </script>";
} else {
    echo "<script>
        alert('Gagal menghapus data: " . mysqli_error($koneksi) . "');
        window.history.back();
    </script>";
}
?>
```

## TABEL EDIT/HAPUS

Tambah Data

No	Aksi	Nama	NIP	Jabatan
1	<a href="#">Edit</a> <a href="#">Hapus</a>	Nugroho Lejar Hadi Widodo	198403152010121002	Pranata Komputer Mahir
2	<a href="#">Edit</a> <a href="#">Hapus</a>	Hasanuddin	197704182008121002	Paramedik Karantina Hewan Mahir
3	<a href="#">Edit</a> <a href="#">Hapus</a>	Loyis Marali	198408012008011004	Pengendali Hama Penyakit Ikan Ahli Pertama
4	<a href="#">Edit</a> <a href="#">Hapus</a>	Muh. Ardiansyah	199006152015031005	Pengendali Hama Penyakit Ikan Mahir
5	<a href="#">Edit</a> <a href="#">Hapus</a>	Muh. Khurniani Adnan	200303182025061002	Calon Pengendali Hama dan Penyakit Ikan Ahli Pertama

localhost says

Yakin ingin menghapus data ini?

OK

Cancel



# FILE SCRIPT LATIHAN MEMBUAT APLIKASI KEPEGAWAIN

<https://github.com/rirpad/appkepeg>

TERIMA KASIH

ODU' OLO