

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
- \$koneksi =
 mysql_connect('localhost','root','','lat_pegawai');
- ?>

BUAT FORM LOGIN

CRUD PHP Sederhana

Contoh CRUD (Create, Read, Update, Delete)

<https://www.php.net/manual/en/>

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/>

phpMyAdmin

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
1	id	int(5)			No	None		AUTO_INCREMENT	Change Drop More
2	username	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
3	password	varchar(50)	latin1_swedish_ci		No	None			Change Drop More

1 v >> lat_pegawai New pegawai user

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
// Kiriman 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>
```



BALAI KARANTINA HEWAN IKAN DAN
TUMBUHAN GORONTALO

LATIHAN MEMBUAT APLIKASI KEPEGAWAIAN

Login

Username atau Password Salah!

Username

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 shows the phpMyAdmin interface for the 'lat_pegawai' database. The left sidebar lists various databases, and the main area displays the 'pegawai' table structure.

Table structure:

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

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	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'];

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

if ($cek->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 ▾

Search

Search

Latihan Aplikasi Pegawai

Form Inputan

Nama

NIP

Jabatan

Simpan

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'].'
';
- }
- ?>

```
<div class="table-responsive">
<table class="table table-hover align-middle text-center">
<thead>
<tr>
<th style="width: 5%;">No
<th style="width: 18%;">Aksi
<th>Nama
<th>NIP
<th>Jabatan
</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++; ?>
Edit


Hapus

</td>
<td><?= htmlspecialchars($d['nama']); ?></td>
<td><?= htmlspecialchars($d['nip']); ?></td>
<td><?= htmlspecialchars($d['jabatan']); ?></td>
```

READ (Menampilkan Data)

DASHBOARD FORM EDIT/HAPUS TABEL-TABEL ▾ KELUAR

Search Search

TABEL EDIT/HAPUS Tambah Data

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

Balai Karantina Hewan Ikan dan Tumbuhan Gorontalo

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'];

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

if ($cek->num_rows > 0) {
    // Jika data sudah ada
    echo "<script>
        alert('Tidak Jadi Disimpan, Tidak Ada Perubahan Data!');
        window.location.href = 'edit.php';
    </script>";
} else {
    $update=mysqli_query($koneksi, "UPDATE pegawai SET nama='$nama', nip='$nip', jabatan='$jabatan' WHERE id='$id'");
    if ($update) {
        echo "<script>
            alert('Data berhasil diupdate!');
            window.location.href = 'edit.php';
        </script>";
    } else {
        echo "<script>
            alert('Gagal mengupdate data: " . mysqli_error($koneksi) . "');
            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

Search Search

Latihan Aplikasi Pegawai

Form Edit

Nama

NIP

Jabatan

 **Update**  **Batal**

© 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	Edit Hapus	Nugroho Lejar Hadi Widodo	198403152010121002	Pranata Komputer Mahir
2	Edit Hapus	Hasanuddin	197704182008121002	Paramedik Karantina Hewan Mahir
3	Edit Hapus	Loyis Marali	198408012008011004	Pengendali Hama Penyakit Ikan Ahli Pertama
4	Edit Hapus	Muh. Ardiansyah	199006152015031005	Pengendali Hama Penyakit Ikan Mahir
5	Edit Hapus	Muh. Khurniani Adnan	200303182025061002	Calon Pengendali Hama dan Penyakit Ikan Ahli Pertama



1. Website Dokumentasi Resmi PHP



<https://www.php.net>

Cara melihat contoh penggunaan fungsi:

1.Buka halaman utama.

2.Masukkan nama fungsi di kolom search, misalnya:

1. strlen

2. array_push

3. preg_match

3.Setiap halaman fungsi memiliki bagian:

1. Description

2. Parameters

3. Return Values

4. Examples (CONTOH penggunaan) → *Inilah yang Anda cari*

Contoh:

<https://www.php.net/strlen>

Di bagian Examples, ada kode siap pakai.

2. Daftar Fungsi Berdasarkan Kategori

Di dokumentasi resmi ada kategori seperti:

- **Array Functions**

<https://www.php.net/manual/en/ref.array.php>

- **String Functions**

<https://www.php.net/manual/en/ref.strings.php>

- **Date & Time Functions**

<https://www.php.net/manual/en/ref.datetime.php>

- **Filesystem Functions**

<https://www.php.net/manual/en/ref.filesystem.php>

- **MySQLi Functions**

<https://www.php.net/manual/en/ref.mysql.php>

- **dll.**

Setiap fungsi dalam kategori ini memiliki contoh lengkap.



3. Dokumentasi Bisa Dialihkan ke Bahasa Indonesia

Walaupun tidak 100% lengkap, Anda bisa pilih:

Manual → Language → Indonesian

Atau langsung menuju:

<https://www.php.net/manual/id/>

Kemudian cari fungsi — kalau terjemahannya belum ada, akan otomatis mengarah ke versi Inggris.



4. Melihat Contoh Fungsi Lewat CLI PHP (Sangat Berguna untuk Developer)

PHP menyediakan dokumentasi lokal lewat CLI:

```
php --rf strlen
```

Output:

- Deskripsi fungsi
- Parameter
- Return type

Dan jika Anda install **php-doc**, Anda bisa:

```
php --re strlen
```



5. Untuk Developer: Lihat Implementasi Asli Fungsi

Karena Anda developer, Anda bisa melihat bagaimana fungsi dibuat di source code PHP:

- Folder: **/ext/**

Misalnya:

- ext/standard/string.c
- ext/array/array.c
- ext/json/json.c

Di situ Anda bisa melihat *internal implementation*.

FILE SCRIPT LATIHAN MEMBUAT APLIKASI KEPEGAWAIN

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

Developed by Muhammad Sahrir

طُوره محمد شاهرير

Ripakalebbiri pole ri Muhammad Sahrir

Hulato'o lo Muhammad Sahrir

Ames a yamar Muhammad Syahrir

TERIMA KASIH

ODU' OLO