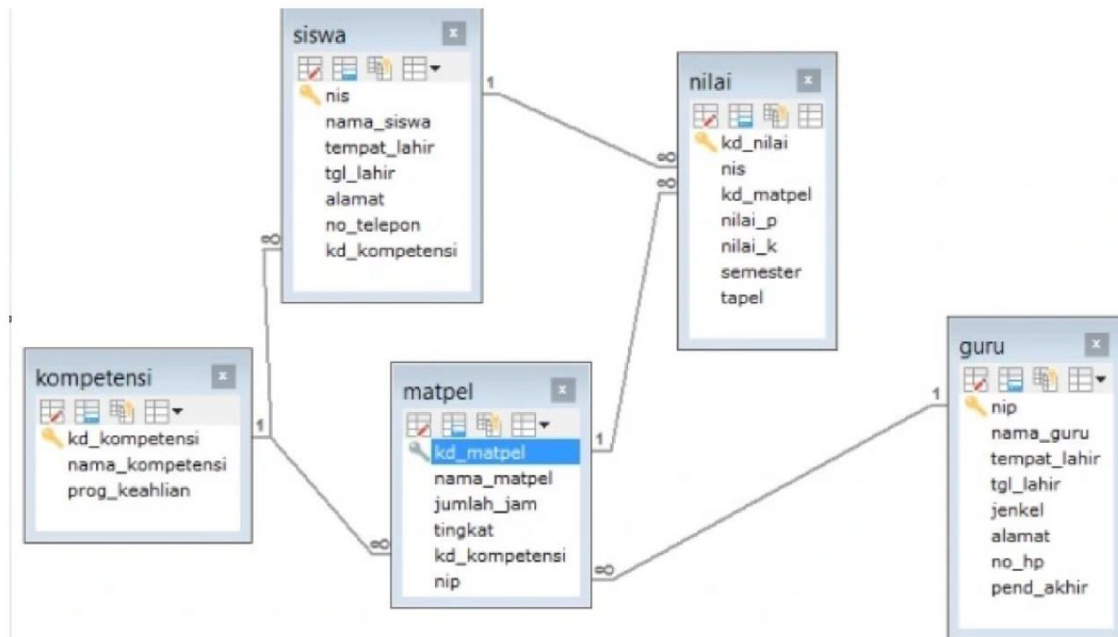# PELATIHAN OKUPASI PEMROGRAM LSP PAMULANG

Rancangan Database Pengolahan Data Sekolah

Gambar 1

Langkah-Langkah membuat Aplikasi Create Read Update dan Delete pada Tabel Guru di perancangan database pengelolaan data sekolah

1. Membuat database **db_sekolah** dan table **guru**

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	nip 🔑	char(12)	utf8mb4_general_ci		No	None			Change Drop More
2	nama_guru	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
3	tempat_lahir	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
4	tgl_lahir	date			Yes	NULL			Change Drop More
5	jenkel	enum('L', 'P')	utf8mb4_general_ci		No	None			Change Drop More
6	alamat	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
7	no_hp	varchar(12)	utf8mb4_general_ci		No	None			Change Drop More
8	pend_akhir	varchar(3)	utf8mb4_general_ci		No	None			Change Drop More

2. Membuat koneksi

Simpan dengan nama file *koneksi.php*

```php
<?php
//deklasrasi variabel
$db_host = "localhost";
$db_user = "root";
$db_pass = "";
$db_name = "db_sekolah";

$connection = mysqli_connect($db_host, $db_user, $db_pass, $db_name);

?>
```

3. Membuat Menampilkan Data

Simpan dengan nama file *guru_view.php*

```html
<!DOCTYPE html>
<html>
<head>
    <title>Menambah Data</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</head>
<body>
  <ul class="nav nav-tabs">
   <li class="nav-item">
    <a class="nav-link active" aria-current="page" href="home.php">Home</a>
   </li>
   <li class="nav-item dropdown">
    <a class="nav-link dropdown-toggle" data-bs-toggle="dropdown" href="#"
role="button" aria-expanded="false">Master Data</a>
     <ul class="dropdown-menu">
      <li><a class="dropdown-item" href="guru_view.php">GURU</a></li>
      <li><a class="dropdown-item" href="#">SISWA</a></li>
      <li><a class="dropdown-item" href="#">Kompetensi</a></li>
      <li><hr class="dropdown-divider"></li>
      <li><a class="dropdown-item" href="#">Nilai</a></li>
     </ul>
```

```html
      </li>
      <li class="nav-item">
        <a class="nav-link" href="Logout.php">Logout</a>
      </li>
    </ul>

    <h2>DATA GURU</h2>

    <table class="table table-hover">
      <thead>
        <tr>
          <th scope="col">NIP</th>
          <th scope="col">Nama</th>
          <th scope="col">Tempat Lahir</th>
          <th scope="col">Tgl Lahir</th>
          <th scope="col">Jenis Kelamin</th>
          <th scope="col">Alamat</th>
          <th scope="col">No HP</th>
          <th scope="col">Pendidikan</th>
          <th scope="col">AKSI</th>
        </tr>
      </thead>
      <tbody>
      <?php
      include "koneksi.php";
      $sql   = "Select * From guru";
      $result = mysqli_query($connection, $sql);

      while ($row=mysqli_fetch_array($result)) {
        echo "<tr>
        <td>$row[nip]</td>
        <td>$row[nama_guru]</td>
        <td>$row[tempat_lahir]</td>
        <td>$row[tgl_lahir]</td>
        <td>$row[jenkel]</td>
        <td>$row[alamat]</td>
        <td>$row[no_hp]</td>
        <td>$row[pend_akhir]</td>
        <td><a href='guru_edit.php?nip=$row[nip]'>EDIT</a> | <a
href='guru_delete.php?nip=$row[nip]'>DELETE</a></td>
        </tr>";
      }
      ?>

      </tbody>
    </table>
    <div class="d-grid gap-2 col-6 mx-auto">
```

```
    <a class="btn btn-primary" href="guru_add.php" role="button">Tambah Data</a>
  </div>
  </body>
  </html>
```

4. **Membuat Tambah Data**

   Simpan dengan nama file *guru_add.php*

```
<!DOCTYPE html>
<html>
<head>
    <title>Menambah Data</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</head>
<body>

  <ul class="nav nav-tabs">
    <li class="nav-item">
     <a class="nav-link active" aria-current="page" href="home.php">Home</a>
    </li>
    <li class="nav-item dropdown">
     <a class="nav-link dropdown-toggle" data-bs-toggle="dropdown" href="#"
role="button" aria-expanded="false">Master Data</a>
     <ul class="dropdown-menu">
      <li><a class="dropdown-item" href="guru_view.php">GURU</a></li>
      <li><a class="dropdown-item" href="#">SISWA</a></li>
      <li><a class="dropdown-item" href="#">Kompetensi</a></li>
      <li><hr class="dropdown-divider"></li>
      <li><a class="dropdown-item" href="#">Nilai</a></li>
     </ul>
    </li>
    <li class="nav-item">
     <a class="nav-link" href="Logout.php">Logout</a>
    </li>
  </ul>
  <div class="container">
   <h2>TAMBAH GURU</h2>
```

```html
  <form method="post">
   <div class="mb-3">
    <label class="form-label">NIP</label>
    <input type="text" class="form-control" name="nip" placeholder="Masukkan NIM">
   </div>
   <div class="mb-3">
    <label class="form-label">Nama</label>
    <input type="text" class="form-control" name="nama" placeholder="Masukkan Nama">
   </div>
   <div class="mb-3">
    <label class="form-label">tempat Lahir</label>
    <input type="text" class="form-control" name="tempatLahir" placeholder="Masukkan Tempat Lahir">
   </div>
   <div class="mb-3">
    <label class="form-label">Tgl Lahir</label>
    <input type="date" class="form-control" name="tglLahir" placeholder="Masukkan Tgl Lahir">
   </div>
   <div class="mb-3">
    <label class="form-label">Jenis Kelamin</label>
    <select class="form-select" name="jk" aria-label="Default select example">
     <option selected>Pilih Menu</option>
     <option value="L">Laki-Laki</option>
     <option value="P">Perempuan</option>
    </select>
   </div>
   <div class="mb-3">
    <label class="form-label">Alamat</label>
    <textarea class="form-control" rows="3" name="alamat"></textarea>
   </div>
   <div class="mb-3">
    <label class="form-label">No HP</label>
    <input type="text" class="form-control" name="noHp" placeholder="No HP">
   </div>
   <div class="mb-3">
    <label class="form-label">Pendidikan</label>
    <input type="text" class="form-control" name="pendidikan" placeholder="Pendidikan">
   </div>
   <div class="d-grid gap-2 d-md-flex justify-content-md-end">
    <input type="submit" class="btn btn-primary btn-lg" name="submit" value="Kirim">
   </div>
  </form>
```

```php
    </div>
    <?php
    include "koneksi.php";
    if(isset($_POST['submit'])){
        $nip            = $_POST['nip'];
        $nama                   = $_POST['nama'];
        $tempatLahir  = $_POST['tempatLahir'];
        $tglLahir             = $_POST['tglLahir'];
        $jk                     = $_POST['jk'];
        $alamat                 = $_POST['alamat'];
        $noHp           = $_POST['noHp'];
        $pendidikan         = $_POST['pendidikan'];

        $sql    = "INSERT INTO guru
    values('$nip','$nama','$tempatLahir','$tglLahir','$jk','$alamat','$noHp','$pendidikan')";
        $result = mysqli_query($connection,$sql);

        if($result){
                header('location:guru_view.php');
        }else{
                echo "Gagal tersimpan";
        }
    }
    ?>


    </body>
    </html>
```

5. **Membuat Edit Data**

   Simpan dengan nama file *guru_edit.php*

```php
<?php
include "koneksi.php";
$nip = $_GET['nip'];
$sql = "Select * From guru where nip='$nip'";
$result = mysqli_query($connection, $sql);

$row = mysqli_fetch_array($result);

?>
<!DOCTYPE html>
<html>
<head>
    <title>Menambah Data</title>
```

```html
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</head>
<body>

  <ul class="nav nav-tabs">
    <li class="nav-item">
      <a class="nav-link active" aria-current="page" href="home.php">Home</a>
    </li>
    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" data-bs-toggle="dropdown" href="#"
role="button" aria-expanded="false">Master Data</a>
      <ul class="dropdown-menu">
        <li><a class="dropdown-item" href="guru_view.php">GURU</a></li>
        <li><a class="dropdown-item" href="#">SISWA</a></li>
        <li><a class="dropdown-item" href="#">Kompetensi</a></li>
        <li><hr class="dropdown-divider"></li>
        <li><a class="dropdown-item" href="#">Nilai</a></li>
      </ul>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="Logout.php">Logout</a>
    </li>
  </ul>
  <div class="container">
   <h2>TAMBAH GURU</h2>
   <form method="post">
    <div class="mb-3">
      <label class="form-label">NIP</label>
      <input type="text" class="form-control" name="nip" value='<?php echo
$row['nip'];?>' placeholder="Masukkan NIM">
    </div>
    <div class="mb-3">
      <label class="form-label">Nama</label>
      <input type="text" class="form-control" name="nama" value='<?php echo
$row['nama_guru'];?>' placeholder="Masukkan Nama">
    </div>
    <div class="mb-3">
      <label class="form-label">tempat Lahir</label>
```

```php
      <input type="text" class="form-control" name="tempatLahir" value='<?php echo
$row['tempat_lahir'];?>' placeholder="Masukkan Tempat Lahir">
    </div>
    <div class="mb-3">
      <label class="form-label">Tgl Lahir</label>
      <input type="date" class="form-control" name="tglLahir" value='<?php echo
$row['tgl_lahir'];?>' placeholder="Masukkan Tgl Lahir">
    </div>
    <div class="mb-3">
      <label class="form-label">Jenis Kelamin</label>
      <select class="form-select" name="jk" aria-label="Default select example">
        <option selected>Pilih Menu</option>
        <option <?php echo $row['jenkel']=='L'?"selected":"" ?> value="L">Laki-
Laki</option>
        <option <?php echo $row['jenkel']=='P'?"selected":"" ?>
value="P">Perempuan</option>
      </select>
    </div>
    <div class="mb-3">
      <label class="form-label">Alamat</label>
      <textarea class="form-control" rows="3" name="alamat"><?php echo
$row['alamat']; ?></textarea>
    </div>
    <div class="mb-3">
      <label class="form-label">No HP</label>
      <input type="text" class="form-control" name="noHp" value="<?php echo
$row['no_hp']; ?>" placeholder="No HP">
    </div>
    <div class="mb-3">
      <label class="form-label">Pendidikan</label>
      <input type="text" class="form-control" name="pendidikan" value="<?php echo
$row['pend_akhir']; ?>" placeholder="Pendidikan">
    </div>
    <div class="d-grid gap-2 d-md-flex justify-content-md-end">
      <input type="submit" class="btn btn-primary btn-lg" name="submit"
value="Kirim">
    </div>
  </form>
</div>
<?php
include "koneksi.php";
if(isset($_POST['submit'])){
    $nip              = $_POST['nip'];
    $nama                   = $_POST['nama'];
    $tempatLahir  = $_POST['tempatLahir'];
    $tglLahir         = $_POST['tglLahir'];
    $jk                   = $_POST['jk'];
```

```php
      $alamat                      = $_POST['alamat'];
      $noHp                = $_POST['noHp'];
      $pendidikan          = $_POST['pendidikan'];

      $sql     = "UPDATE guru SET
nama_guru='$nama',tempat_lahir='$tempatLahir',tgl_lahir='$tglLahir',jenkel='$jk',ala
mat='$alamat',no_hp='$noHp',pend_akhir='$pendidikan' WHERE nip='$nip'";
      $result = mysqli_query($connection,$sql);

      if($result){
              header('location:guru_view.php');
      }else{
              echo "Gagal tersimpan";
      }
}
?>


</body>
</html>
```

6. Membuat Hapus Data

Simpan dengan nama file ***guru_delete.php***

```php
<?php
include "koneksi.php";
$nip = $_GET['nip'];
$sql = "DELETE From guru where nip='$nip'";
$result = mysqli_query($connection, $sql);

if($result){
    header('location:guru_view.php');
}else{
    echo "Gagal terhapus";
}
?>
```

HALAMAN LOGIN

Tabel **User**

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
☐	1	id 🔑	int(11)			No	None		AUTO_INCREMENT
☐	2	nama	varchar(225)	latin1_swedish_ci		No	None		
☐	3	username	varchar(225)	latin1_swedish_ci		No	None		
☐	4	password	varchar(225)	latin1_swedish_ci		No	None		

Index.php

```html
<!DOCTYPE html>
<html>
<head>
        <title>Membuat Form Validasi dengan Javascript</title>
        <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
        <br/>
        <br/>
        <center><h2>JUDUL WEBSITE</h2></center>
        <br/>
        <div class="login">
        <br/>
                <form action="login.php" method="post" onSubmit="return validasi()">
                        <div>
                                <label>Username:</label>
                                <input type="text" name="username" id="username" />
                        </div>
                        <div>
                                <label>Password:</label>
                                <input type="password" name="password" id="password"
/>
                        </div>
                        <div>
                                <input type="submit" value="Login" class="tombol">
```

```
                    </div>
                </form>
            </div>
    </body>

    <script type="text/javascript">
            function validasi() {
                    var username = document.getElementById("username").value;
                    var password = document.getElementById("password").value;
                    if (username != "" && password!="") {
                            return true;
                    }else{
                            alert('Username dan Password harus di isi !');
                            return false;
                    }
            }
    </script>
    </html>
```

Login.php

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

$username = $_POST['username'];
$password = md5($_POST['password']);

$login = mysqli_query($connection,"select * from user where username='$username' and
password='$password'");
$cek = mysqli_num_rows($login);

if($cek > 0){
        session_start();
        $_SESSION['username'] = $username;
        $_SESSION['status'] = "login";
        header("location:home.php");
}else{
        header("location:index.php");
}

?>
```

home.php

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

```php
// mengaktifkan session
session_start();
// cek apakah user telah login, jika belum login maka di alihkan ke halaman login
if($_SESSION['status'] !="login"){
header("location:index.php");
}
?>
<!DOCTYPE html>
<html>
<head>
        <title>Menambah Data</title>
        <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jleHz"
crossorigin="anonymous"></script>
</head>
<body>
<ul class="nav nav-tabs">
  <li class="nav-item">
    <a class="nav-link active" aria-current="page" href="home.php">Home</a>
  </li>
  <li class="nav-item dropdown">
    <a class="nav-link dropdown-toggle" data-bs-toggle="dropdown" href="#"
role="button" aria-expanded="false">Master Data</a>
    <ul class="dropdown-menu">
      <li><a class="dropdown-item" href="guru_view.php">GURU</a></li>
      <li><a class="dropdown-item" href="#">SISWA</a></li>
      <li><a class="dropdown-item" href="#">Kompetensi</a></li>
      <li><hr class="dropdown-divider"></li>
      <li><a class="dropdown-item" href="#">Nilai</a></li>
    </ul>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="Logout.php">Logout</a>
  </li>
</ul>

        <h2>SELAMAT DATANG</h2>
  <?php echo "Hai, selamat datang ". $_SESSION['username'];?>
```

```
</body>
</html>
```

Logout.php

```php
<?php
session_start();
session_destroy();
header("location:index.php");
 ?>
```

Style.css

```css
body {
  background: #3498db;
  font-family: sans-serif;
}

h2 {
  color: #fff;
}

.login {
  padding: 1em;
  margin: 2em auto;
  width: 17em;
  background: #fff;
  border-radius: 3px;
}

label {
  font-size: 10pt;
  color: #555;
}

input[type="text"],
input[type="password"],
textarea {
  padding: 8px;
  width: 95%;
  background: #efefef;
  border: 0;
  font-size: 10pt;
  margin: 6px 0px;
}
```

```css
.tombol {
  background: #3498db;
  color: #fff;
  border: 0;
  padding: 5px 8px;
  margin: 20px 0px;
}
```