

PostgreSQL dan PHP



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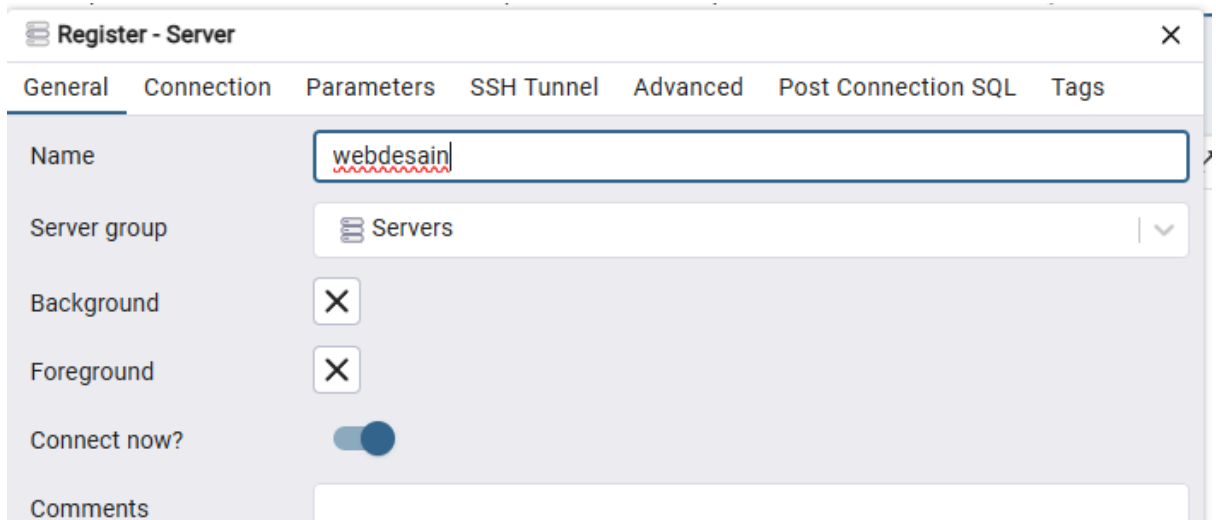
Program Studi D-IV Sistem Informasi Bisnis

Jurusan Teknologi Informasi

Politeknik Negeri Pandan

2025

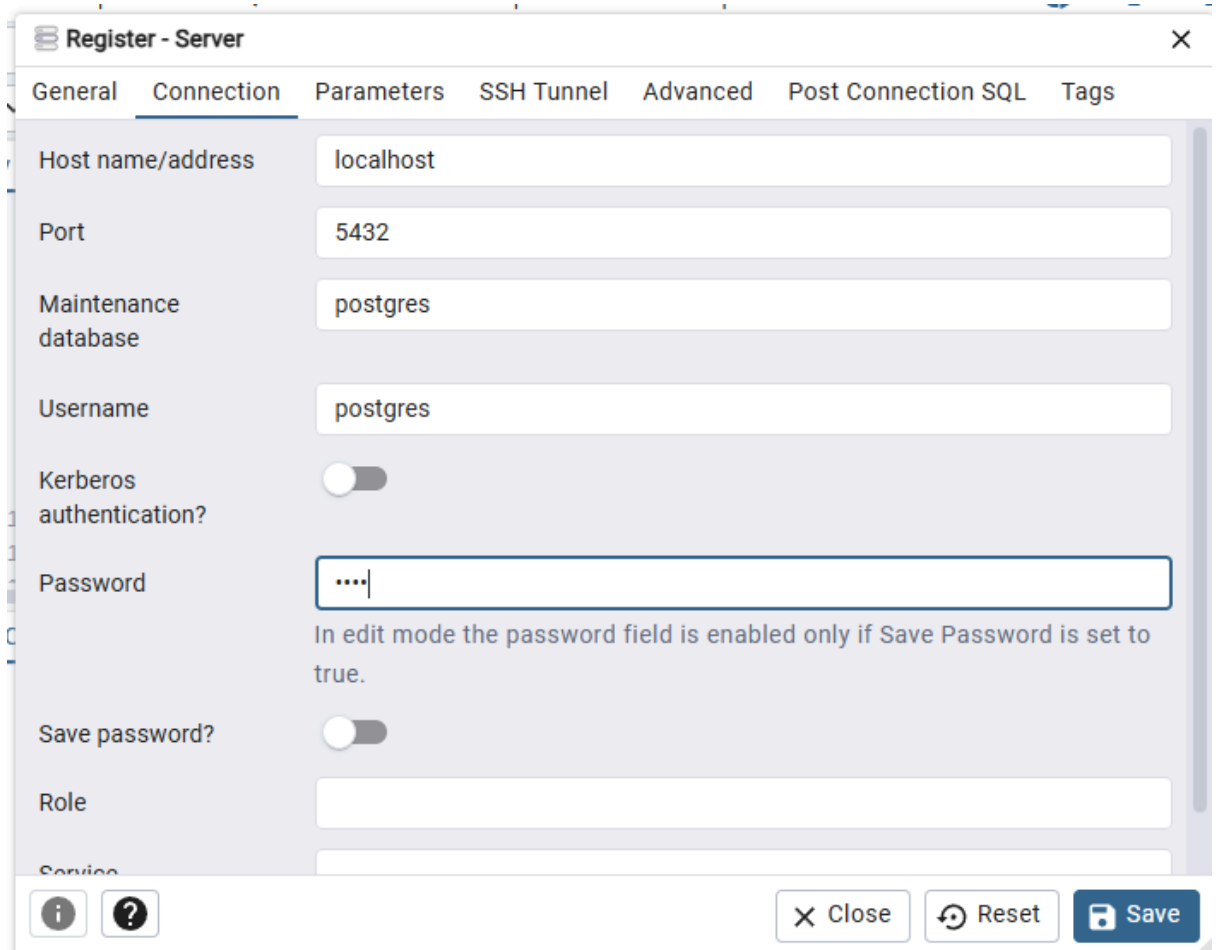
1. Membuat server baru dengan nama 'webdesain'



The screenshot shows the 'Register - Server' dialog box with the 'General' tab selected. The 'Name' field contains 'webdesain' with a red squiggly underline. The 'Server group' dropdown is set to 'Servers'. The 'Background' and 'Foreground' checkboxes are both unchecked. The 'Connect now?' toggle is turned on. The 'Comments' field is empty.

Field	Value
Name	webdesain
Server group	Servers
Background	<input type="checkbox"/>
Foreground	<input type="checkbox"/>
Connect now?	<input checked="" type="checkbox"/>
Comments	

2. Connection



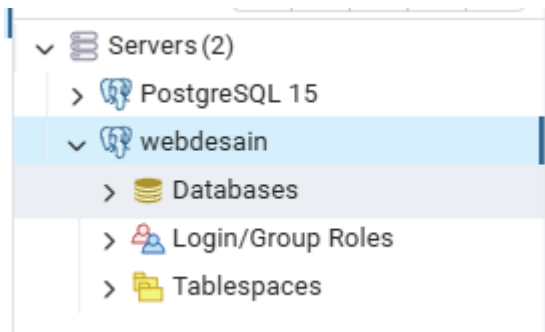
The screenshot shows the 'Register - Server' dialog box with the 'Connection' tab selected. The 'Host name/address' field contains 'localhost'. The 'Port' field contains '5432'. The 'Maintenance database' field contains 'postgres'. The 'Username' field contains 'postgres'. The 'Kerberos authentication?' toggle is turned off. The 'Password' field contains '....'. Below the password field, a note states: 'In edit mode the password field is enabled only if Save Password is set to true.' The 'Save password?' toggle is turned off. The 'Role' and 'Service' fields are empty.

Field	Value
Host name/address	localhost
Port	5432
Maintenance database	postgres
Username	postgres
Kerberos authentication?	<input type="checkbox"/>
Password
Save password?	<input type="checkbox"/>
Role	
Service	

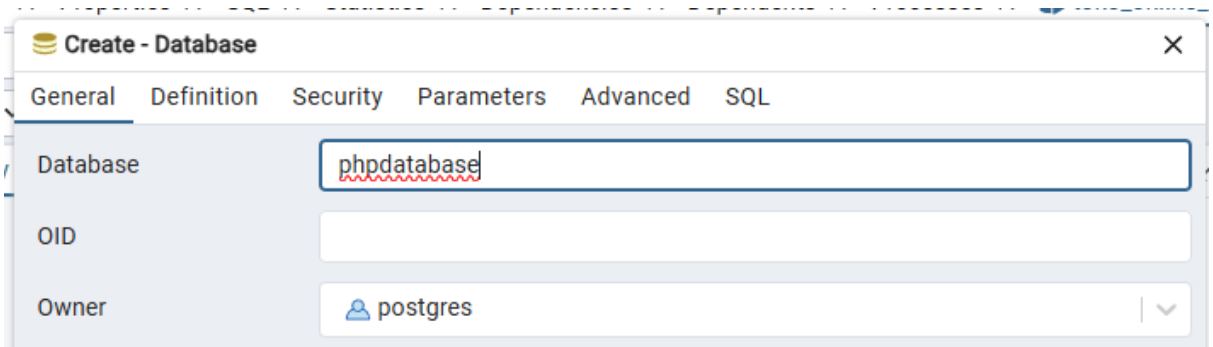
In edit mode the password field is enabled only if Save Password is set to true.

Buttons: Close, Reset, Save

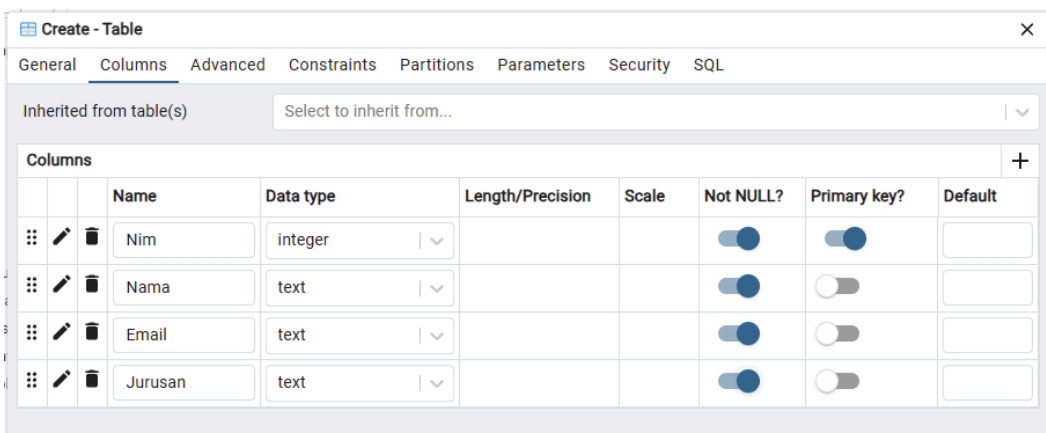
3. Simpan, maka tampilannya sebagai berikut



4. Create database



5. Create tabel



6. Insert data ke dalam tabel

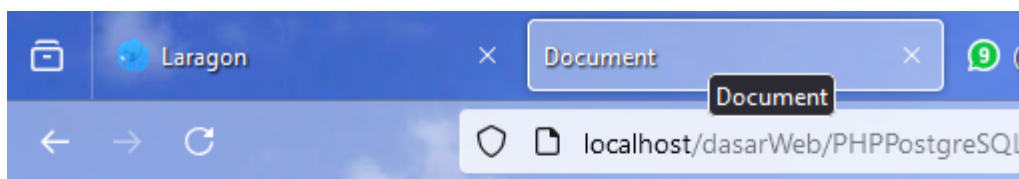


7. Membuat file index.php

```
File Edit Selection View Go Run ... Search
Welcome index.php X
C: > laragon > www > dasarWeb > PHPPostgreSQL > index.php > ...
1  <?php
2  $host = 'localhost';
3  $port = '5432';
4  $dbname = 'phpdatabase';
5  $user = 'postgres';
6  $pass = '2005';
7
8  $conn = pg_connect("host=$host port=$port dbname=$dbname user=$user password=$pass");
9  if (!$conn) {
10     die('Koneksi gagal: ' . pg_last_error());
11 }
12
13 pg_set_client_encoding($conn, 'UTF8');
14
15 $sql = 'SELECT
16         "Nim"      AS "Nim",
17         "Nama"     AS "Nama",
18         "Email"    AS "Email",
19         "Jurusan"  AS "Jurusan"
20     FROM "TB_Mahasiswa"
21     ORDER BY "Nim";';
22
23 $result = pg_query($conn, $sql);
24 if (!$result) {
25     die('Query gagal: ' . pg_last_error($conn));
26 }
```

```
Welcome index.php X
C: > laragon > www > dasarWeb > PHPPostgreSQL > index.php > ...
28 <!DOCTYPE html>
29 <html lang="en">
30 <head>
31 <meta charset="UTF-8">
32 <meta name="viewport" content="width=device-width, initial-scale=1.0">
33 <title>Document</title>
34 </head>
35 <body>
36 <h1>Daftar Mahasiswa</h1>
37 <table border="1" cellpadding="10" cellspacing="0">
38 <tr>
39 <th>No.</th>
40 <th>Nim</th>
41 <th>Nama</th>
42 <th>Email</th>
43 <th>Jurusan</th>
44 <th>Aksi</th>
45 </tr>
46 <?php $i=1; ?>
47 <?php while($row = pg_fetch_assoc($result)): ?>
48 <tr>
49 <td><?= $i; ?></td>
50 <td><?= htmlspecialchars($row["Nim"], ENT_QUOTES, 'UTF-8'); ?></td>
51 <td><?= htmlspecialchars($row["Nama"], ENT_QUOTES, 'UTF-8'); ?></td>
52 <td><?= htmlspecialchars($row["Email"], ENT_QUOTES, 'UTF-8'); ?></td>
53 <td><?= htmlspecialchars($row["Jurusan"], ENT_QUOTES, 'UTF-8'); ?></td>
54 <td>
55 <a href="">Edit</a>
56 <a href="">Hapus</a>
57 </td>
58 </tr>
59 <?php $i++; endwhile; ?>
```

```
C: > laragon > www > dasarWeb > PHPPostgreSQL > index.php > ...
29 <html lang="en">
35 <body>
37 <table border="1" cellpadding="10" cellspacing="0">
59 <?php $i++; endwhile; ?>
60 </table>
61 <?php
62 pg_free_result($result);
63 pg_close($conn);
64 ?>
65 </body>
66 </html>
```



Daftar Mahasiswa

No.	Nim	Nama	Email	Jurusan	Aksi
1	123412	Dini	dini@gmail.com	Niaga	Edit Hapus