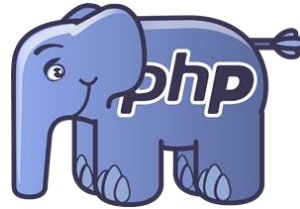


# Pemrograman PHP

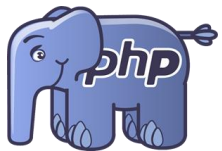


## Pesantren PeTIK II YBM PLN

Jl. KH. Bisri Syansuri RT/01 RW/05, Plosogeneng,  
Kec. Jombang, Kabupaten Jombang, Jawa Timur



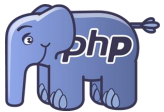
# Pertemuan Ke-13





# Materi

1. Pengantar Pemrograman PHP
2. Variabel dan Tipe Data
3. Array dan Struktur Data
4. PHP Form Processing
5. PHP Control Structure
6. PHP Function
7. Implementasi Template Web
9. PHP Object Oriented Programming
10. PHP Object Oriented Programming 2
11. PHP Database Connection
12. CRUD Database Operation 1
13. CRUD Database Operation 2
14. PHP Operasi file
15. Manajemen Session User



# 13. CRUD Database Operation 2





# CRUD Database Operation 2

- Edit Model lengkapi fitur CRUD
- Buat form edit dan hapus data – UPDATE, DELETE
- Implementasi proses Update dan Delete
- Sempurnakan elemen Form Select dengan query ke table referensi
- Tambahkan fitur pencarian dan filter – Library DataTable

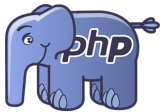




# File class\_produk.php

Tambahkan Fungsi update, delete dan findById di class\_produk.php

```
25 public function update($data){
26     $sql = "UPDATE produk SET nama=?,qty=?,harga=?,jenis_produk_id=? WHERE id=?";
27     $st = $this->dbh->prepare($sql);
28     $st->execute($data);
29 }
30
31 public function delete($id){
32     $sql = "DELETE FROM produk WHERE id=?";
33     $st = $this->dbh->prepare($sql);
34     $st->execute([$id]);
35     $rowdelete=$st->rowCount();// 1 delete sukses, 0 gagal
36     //die(print_r($rowdelete));
37 }
38
39 public function findById($id){
40     $sql = "SELECT * FROM produk WHERE id=?";
41     $st = $this->dbh->prepare($sql);
42     $st->execute([$id]);
43     $row = $st->fetch();
44     return $row;
45 }
```

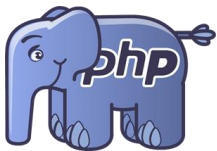


# View : file edit.php

- Buat file edit.php, dan copy isi file form.php ke file edit.php
- Edit file dengan menambahkan kode berikut

edit.php

```
1 <?php
2 require_once 'dbkoneksi.php';
3 require_once 'class_produk.php';
4
5 $objproduk = new Produk($dbh);
6 $_idedit=$_GET['id'];
7 $row = $objproduk->findById($_idedit);
8 ?>
<input id="nama" name="nama" type="text" class="form-control" value="<?=$row->nama?>">
<input id="qty" name="qty" type="text" class="form-control" value="<?=$row->qty?>">
<input id="text" name="harga" type="text" class="form-control" value="<?=$row->harga?>">
<input name="proses" type="submit" class="btn btn-primary" value="Update"/>
<input name="proses" type="submit" class="btn btn-danger" value="Hapus"/>
<input type="hidden" name="idedit" value="<?=$row->id?>" />
```





# View : file edit.php

localhost/webku/edit.php?id=1 × +

← → ↻ 🏠 🛡️ 📄 localhost/webku/edit.php?id=1 ☆ 🛡️ ⬇️ ☰

## Form Edit Produk

Nama Produk	@	Teh Kotak Enak
Qty	🍏	40
Harga	⚓	4000
Jenis Produk	Makanan ▾	
<div>Update Hapus</div>		





# File proses\_produk.php

- Edit untuk proses update dan delete produk

proses\_produk.php

```
1 <?php
2 require_once 'dbkoneksi.php';
3 require_once 'class_produk.php';
4
5 $objproduk = new Produk($dbh);
6 // tangkap request form
7 $_nama = $_POST['nama'];
8 $_qty = $_POST['qty'];
9 $_harga = $_POST['harga'];
10 $_idjenis = $_POST['idjenis'];
11 $_proses = $_POST['proses'];
12
```

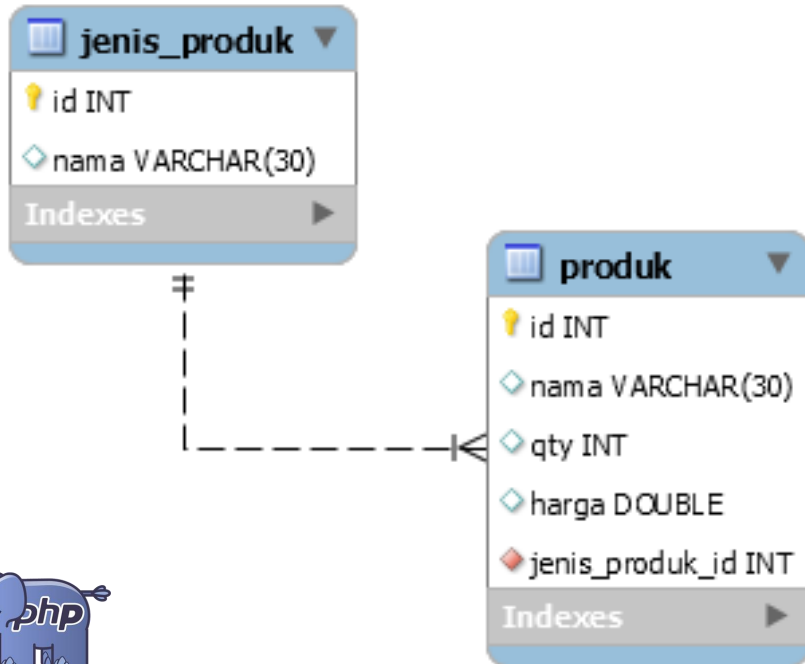
```
13 if(!empty($_proses)){
14     $data = [$_nama,$_qty,$_harga,$_idjenis];
15     if($_proses == "Simpan"){
16         $objproduk->save($data);
17     }else if($_proses == "Update"){
18         $_idedit=$_POST['idedit'];
19         $data[]=$idedit;
20         $objproduk->update($data);
21     }else if($_proses == "Hapus"){
22         $_idedit=$_POST['idedit'];
23         $objproduk->delete($_idedit);
24     }
25     header('location:list_produk.php');
26 }
27 ?>
```





# Elemen Form – Dropdown SELECT

- Dari ERD terlihat table referensi jenis\_produk digunakan untuk pengkategorian produk



## Form Produk

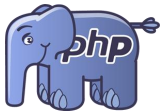
Nama Produk

Qty

Harga

Jenis Produk

The screenshot shows a web form with a dropdown menu for 'Jenis Produk'. The dropdown is open, displaying a list of categories: Makanan, Minuman, Alat Rumah Tangga, and Alat Tulis Kantor. The 'Makanan' option is currently selected and highlighted.





# Elemen Form – Dropdown SELECT

- Tambahkan fungsi untuk query ke table jenis\_produk pada class Produk

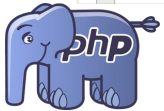
```
12 public function getAllJenisProduk(){
13     $sql="SELECT * FROM jenis_produk";
14     $rs = $this->dbh->query($sql);
15     return $rs;
16 }
```

- Edit form pada bagian kode menampilkan daftar jenis produk

```
1 <?php
2 require_once 'dbkoneksi.php';
3 require_once 'class_produk.php';
4
5 $objproduk = new Produk($dbh);
6 $rsjenis = $objproduk->getAllJenisProduk();
7 ?>
```



```
<select id="idjenis" name="idjenis" class="custom-select">
  <option value="0">--Pilih Jenis Produk --</option>
  <?php
  foreach($rsjenis as $row){
    echo '<option value="'. $row->id. '>' . $row->nama. '</option>';
  }
  ?>
</select>
```



# Pustaka Program DataTables (1)

Show  entries Search:

Name	Position	Office	Age	Start date
Airi Satou	Accountant	Tokyo	33	2008/11/28
Angelica Ramos	Chief Executive Officer (CEO)	London	47	2009/10/09
Ashton Cox	Junior Technical Author	San Francisco	66	2009/01/12
Bradley Greer	Software Engineer	London	41	2012/10/13
Brenden Wagner	Software Engineer	San Francisco	28	2011/06/07
Brielle Williamson	Integration Specialist	New York	61	2012/12/02
Bruno Nash	Software Engineer	London	38	2011/05/03
Caesar Vance	Pre-Sales Support	New York	21	2011/12/12
Cara Stevens	Sales Assistant	New York	46	2011/12/06
Cedric Kelly	Senior Javascript Developer	Edinburgh	22	2012/03/29

Showing 1 to 10 of 57 entries Previous **1** 2 3 4 5 6 Next

- Pustaka program yang digunakan untuk menampilkan data dalam bentuk table
- Tersedia di <https://datatables.net/>



# Pustaka Program DataTables (2)

Show  entries Search:

Name	Position	Office	Age	Start date
Airi Satou	Accountant	Tokyo	33	2008/11/28
Angelica Ramos	Chief Executive Officer (CEO)	London	47	2009/10/09
Ashton Cox	Junior Technical Author	San Francisco	66	2009/01/12
Bradley Greer	Software Engineer	London	41	2012/10/13
Brenden Wagner	Software Engineer	San Francisco	28	2011/06/07
Brielle Williamson	Integration Specialist	New York	61	2012/12/02
Bruno Nash	Software Engineer	London	38	2011/05/03
Caesar Vance	Pre-Sales Support	New York	21	2011/12/12
Cara Stevens	Sales Assistant	New York	46	2011/12/06
Cedric Kelly	Senior Javascript Developer	Edinburgh	22	2012/03/29

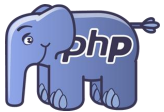
Showing 1 to 10 of 57 entries Previous **1** 2 3 4 5 6 Next

- Mendukung paging data
- Mendukung pencarian dan filter data
- Mendukung urutkan data / order kolom
- Mendukung RWD bootstrap
- Lengkap dengan manual penggunaannya



# Pustaka Program DataTables (3)

- Langkah instalasi DataTables:
  1. Download dan letakan pustaka program datatable dalam dokumen root project
  2. Download library JQuery dari: <https://code.jquery.com/>
  3. Sertakan CSS dan JavaScript datatable dan JQuery pada halaman web, jika menggunakan template bootstrap pastikan disesuaikan dengan versi bootstrap yang digunakan
  4. Letakan hasil urai pustaka datatable dan jquery dengan folder css, js dan images pada dokumen root project.
  5. Pastikan data yang ditampilkan menggunakan tag table yang lengkap dengan table header, table body dan table footer





# Implementasi DataTable

- Panggil CSS dan JavaScript

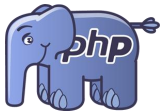
```
<link rel="stylesheet" type="text/css" href="css/jquery.dataTables.css">
<script type="text/javascript" charset="utf8" src="js/jquery-3.5.1.js"></script>
<script type="text/javascript" charset="utf8" src="js/jquery.dataTables.js"></script>
```

- Beri id pada table

```
<table id="example" class="display" style="width:100%">
```

- Jalankan script JavaScript

```
<script>
$(document).ready(function() {
    $('#example').DataTable( {
        "columnDefs": [ {
            "visible": false,
            "targets": -1
        } ]
    } );
} );
</script>
```

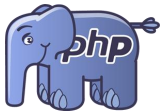




# DataTable – sertakan library

```
1 <html>
2 <head>
3 <link rel="stylesheet" type="text/css" href="css/jquery.dataTables.css">
4 <script type="text/javascript" charset="utf8" src="js/jquery-3.5.1.js"></script>
5 <script type="text/javascript" charset="utf8" src="js/jquery.dataTables.js"></script>
6 <script>
7   $(document).ready(function() {
8     $('#example').DataTable( {
9       "columnDefs": [ {
10         "visible": false,
11         "targets": -1
12       } ]
13     } );
14   } );
15 </script>
16 </head>
```

Pastikan file CSS dan JavaScript sudah sesuai dengan letaknya

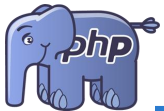






# DataTable – sertakan library

```
17 <body>
18 <?php
19     require_once 'dbkoneksi.php';
20     require_once 'class_produk.php';
21     $objproduk = new Produk($dbh);
22     $rsproduk = $objproduk->getAllProduk();
23     ?>
24     <h3>Daftar Produk</h3>
25     <a href="form.php">Create Produk</a>
26     <table id="example" class="display" style="width:100%">
27     <thead><tr><th>No</th><th>Nama Produk</th><th>Qty</th><th>Harga</th><th>Action</th></tr></thead>
28     <tbody>
29     <?php
30         $nomor =1;
31         foreach($rsproduk as $row){
32             echo '<tr><td>'.$nomor.'</td><td>'.$row->nama.'</td><td>'.$row->qty.'</td>
33             <td>'.$row->harga.'</td><td align="center">
34             <a href="edit.php?id='.$row->id.'">Edit</a>|
35             <a href="delete.php?id='.$row->id.'">Del</a></td></tr>';
36             $nomor++;
37         }
38         ?>
39     </tbody>
```





# Daftar Produk - DataTables

← → ↺ 🏠

localhost/webku/list\_produk.php

120% ☆

📧 ⬇️ ☰

**Daftar Produk**

[Create Produk](#)

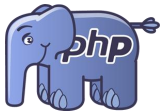
Show  entries

Search:

No	Nama Produk	Qty	Harga
1	Teh Kotak Enak Sekali	40	4000
2	Gula Pasir	50	18500
3	Kertas A4	40	28000
4	Kompas Gas C800	4	450000
5	Biskuit Romi	80	7500
6	Mie Kari Ayam	50	2750
7	Kopi XYZ	1	6100
8	Biskuit Kuat	10	6500

Showing 1 to 8 of 8 entries

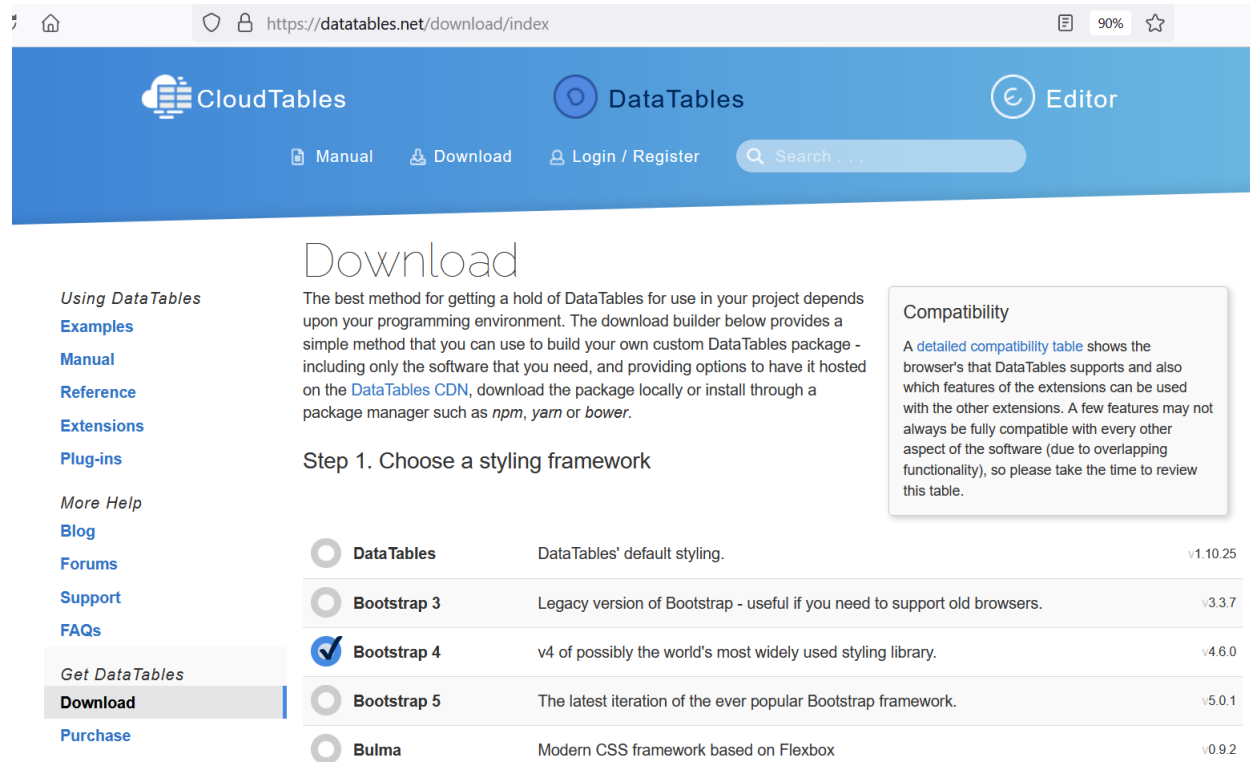
Previous  Next





# DataTable - Bootstrap

- Pastikan download DataTable sesuai versi bootstrap



The screenshot shows the DataTables.net website. The header includes links for CloudTables, DataTables, and Editor, along with a search bar. The main content area is titled 'Download' and provides instructions on how to get DataTables. A sidebar on the left lists various resources like Examples, Manual, Reference, Extensions, Plug-ins, More Help, Blog, Forums, Support, FAQs, Get DataTables, Download, and Purchase. A table lists different styling frameworks with their versions and descriptions.

**Download**

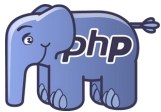
The best method for getting a hold of DataTables for use in your project depends upon your programming environment. The download builder below provides a simple method that you can use to build your own custom DataTables package - including only the software that you need, and providing options to have it hosted on the [DataTables CDN](#), download the package locally or install through a package manager such as *npm*, *yarn* or *bower*.

**Step 1. Choose a styling framework**

<input type="radio"/>	<b>DataTables</b>	DataTables' default styling.	v1.10.25
<input type="radio"/>	<b>Bootstrap 3</b>	Legacy version of Bootstrap - useful if you need to support old browsers.	v3.3.7
<input checked="" type="radio"/>	<b>Bootstrap 4</b>	v4 of possibly the world's most widely used styling library.	v4.6.0
<input type="radio"/>	<b>Bootstrap 5</b>	The latest iteration of the ever popular Bootstrap framework.	v5.0.1
<input type="radio"/>	<b>Bulma</b>	Modern CSS framework based on Flexbox	v0.9.2

**Compatibility**

A [detailed compatibility table](#) shows the browser's that DataTables supports and also which features of the extensions can be used with the other extensions. A few features may not always be fully compatible with every other aspect of the software (due to overlapping functionality), so please take the time to review this table.



# DataTable - Bootstrap

## Bootstrap 4

As with Bootstrap 3, DataTables can also be integrated seamlessly with Bootstrap 4. This integration is done simply by including the DataTables Bootstrap 4 files (CSS and JS) which

sets the defaults needed for DataTables to be initialised as normal, as shown in this example.

Show 10 entries

Search:

Name ↑↓	Position ↑↓	Office ↑↓	Age ↑↓	Start date ↑↓	Salary ↑↓
Airi Satou	Accountant	Tokyo	33	2008/11/28	\$162,700
Angelica Ramos	Chief Executive Officer (CEO)	London	47	2009/10/09	\$1,200,000
Ashton Cox	Junior Technical Author	San Francisco	66	2009/01/12	\$86,000
Bradley Greer	Software Engineer	London	41	2012/10/13	\$132,000
Brenden Wagner	Software Engineer	San Francisco	28	2011/06/07	\$206,850
Brielle Williamson	Integration Specialist	New York	61	2012/12/02	\$372,000

- DataTable dengan bootstrap 4.x





# DataTable - Bootstrap

- DataTable dengan bootstrap 4.x, sertakan library CSS dan JS

```
<link rel="stylesheet" type="text/css" href="css/bootstrap.css">
<link rel="stylesheet" type="text/css" href="css/dataTables4.min.css">
<script type="text/javascript" charset="utf8" src="js/jquery-3.5.1.js"></script>
<script type="text/javascript" charset="utf8" src="js/dataTables.bootstrap4.min.js"></script>
```

- Seting CSS pada table

```
<table id="example" class="table table-striped table-bordered" style="width:100%">
```

- Jalankan JavaScript (versi minimal)

```
$(document).ready(function() {
    $('#example').DataTable();
} );
```

