Pemrograman PHP

Pertemuan Ke-13

Materi

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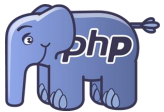3. Array dan Struktur Data
4. PHP Form Processing
5. PHP Control Structure
6. PHP Function
7. Implementasi Template Web
9. PHP Object Oriented Programming
10. PHP Object Oriented Programming 2
11. PHP Database Connection
12. CRUD Database Operation 1
13. CRUD Database Operation 2
14. PHP Operasi file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

```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    }
```
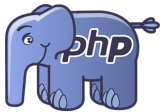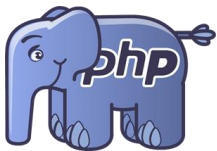
View : file edit.php

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

edit.php

```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

File proses_produk.php

- Edit untuk proses update dan delete produk

proses_produk.php

```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  ?>
```
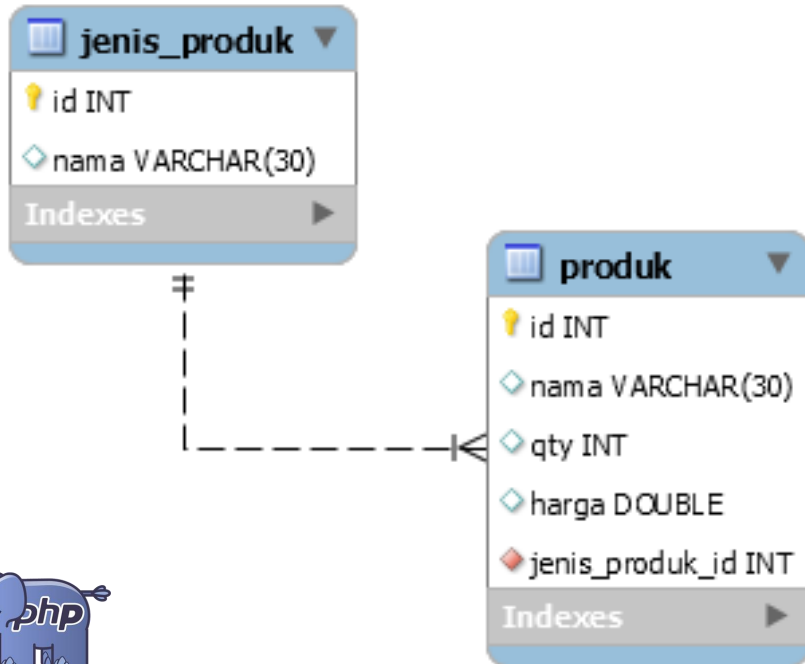
Elemen Form – Dropdown SELECT

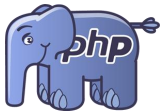- Dari ERD terlihat table referensi jenis_produk digunakan untuk pengkategorian produk

Elemen Form – Dropdown SELECT

- Tambahkan fungsi untuk query ke table jenis_produk pada class Produk
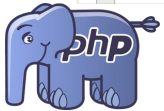
```
12        public function getAllJenisProduk(){
13            $sql="SELECT * FROM jenis_produk";
14            $rs = $this->dbh->query($sql);
15            return $rs;
16        }
```

- Edit form pada bagian kode menampilkan daftar jenis produk

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

```php
<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)

- Pustaka program yang digunakan untuk menampilkan data dalam bentuk table

- Tersedia di https://datatables.net/

Pustaka Program DataTables (2)

- 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
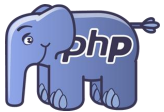
Implementasi DataTable
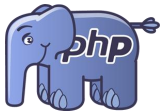
- Panggil CSS dan JavaScript

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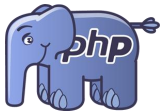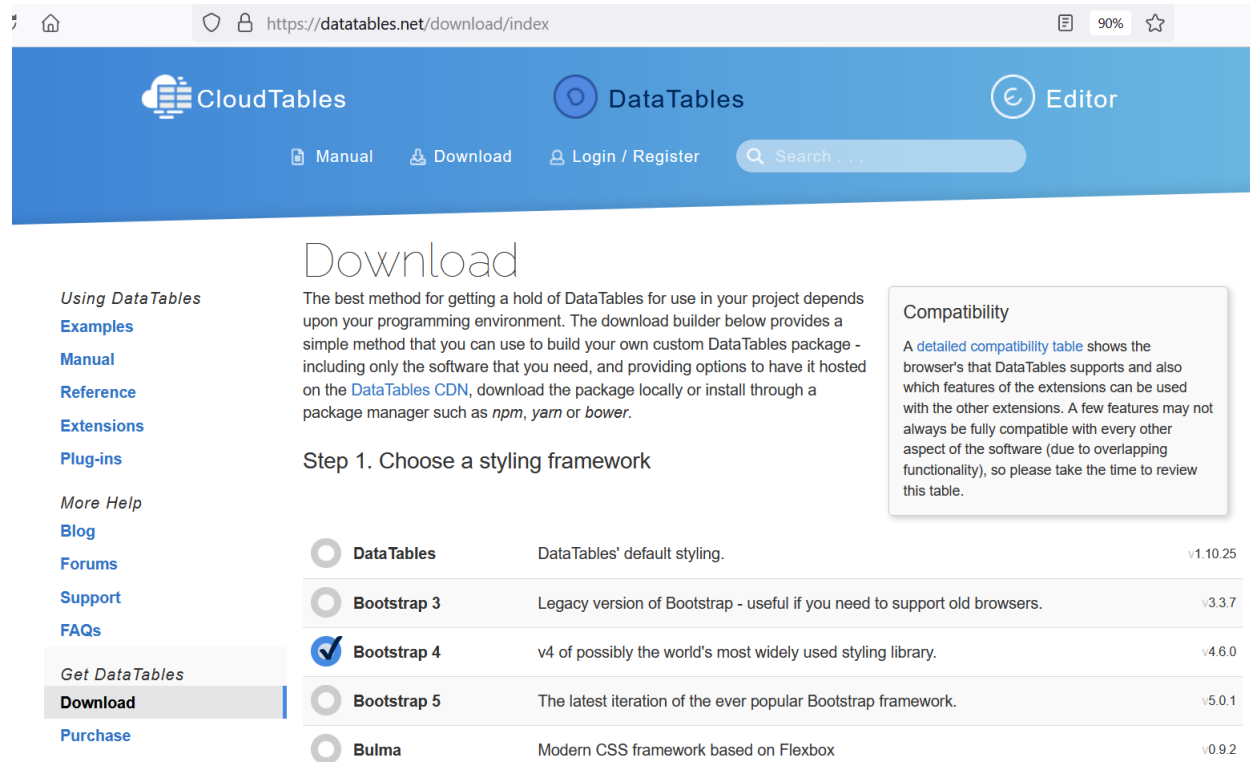
```html
<table id="example" class="display" style="width:100%">
```

- Jalankan script JavaScript

```html
<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": [ {
.0              "visible": false,
.1              "targets": -1
.2          } ]
.3      } );
.4  } );
.5  </script>
.6  </head>
```
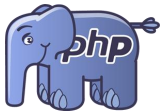
Pastikan file CSS dan JavaScript
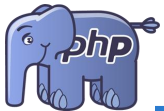sudah sesuai dengan letaknya

DataTable – sertakan library

```php
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

DataTable - Bootstrap

- Pastikan download DataTable sesuai versi boostrap

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

```html
<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

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

- Jalankan JavaScript (versi minimal)

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