



Mata Kuliah : Pemrograman Web Lanjut (PWL)  
Program Studi : D4 – Teknik Informatika / D4 – Sistem Informasi Bisnis  
Semester : 4 (empat) / 5 (lima)  
Pertemuan ke- : 8 (delapan)

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## JOBSHEET 08

### File Import dan Export ke PDF dan Excel pada Laravel

Sesuai dengan **Studi Kasus PWL.pdf**.

Jadi project Laravel 10 kita masih sama dengan menggunakan repositori **PWL\_POS**.

*Project PWL\_POS* akan kita gunakan sampai pertemuan 12 nanti, sebagai project yang akan kita pelajari

#### A. File Upload (import data) pada Laravel

Mengunggah file merupakan salah satu fitur esensial yang sering kali dijumpai di berbagai proyek website. Fitur ini memberikan kemampuan bagi pengguna untuk memindahkan file dari perangkat komputer lokal mereka ke dalam lingkungan server aplikasi web. Proses ini melibatkan pengguna dalam memilih file dari sistem lokal mereka, seperti gambar, dokumen, atau media lainnya, yang kemudian diunggah melalui formulir yang disediakan di website. Setelah file tersebut berhasil diunggah, server akan menyimpan file tersebut di direktori tertentu yang telah ditentukan sebelumnya oleh pengembang. Penyimpanan ini dapat berada di server lokal, penyimpanan awan (*cloud storage*), atau bahkan dalam jaringan distribusi konten (CDN) untuk memastikan kinerja dan ketersediaan yang optimal. Dengan fitur unggah file ini, pengguna dapat memperkaya konten website secara dinamis, sementara pengembang dapat memastikan bahwa file yang diunggah dikelola dengan baik, aman, dan sesuai dengan kebijakan aplikasi.

Mengunggah file bukan hanya digunakan untuk menambahkan media atau dokumen ke sebuah website, tetapi juga memiliki peran penting dalam proses pengelolaan data, khususnya untuk *import* data ke database dalam aplikasi berbasis Laravel. Fitur ini memungkinkan



pengguna untuk mengunggah file berisi data dalam format seperti CSV atau Excel, yang kemudian diproses oleh aplikasi untuk dimasukkan ke dalam database.

Proses ini biasanya dimulai dengan pengguna memilih file yang berisi data dari komputer lokal mereka dan mengunggahnya ke server melalui formulir yang disediakan di aplikasi web. Setelah file berhasil diunggah, Laravel akan memproses file tersebut menggunakan paket seperti Maatwebsite Excel, yang dirancang khusus untuk menangani impor data dari file Excel atau CSV. Dalam jobsheet ini, kita akan mempelajari bagaimana cara mengunggah file yang digunakan untuk proses input data ke dalam database (import) menggunakan Laravel.

### Praktikum 1 – Implementasi Upload File untuk import data:

1. Kita buka database yang sudah kita buat sebelumnya, dan kita cek tabel `m_kategori` dan `m_barang`

kategori_id	kategori_kode	kategori_nama	created_at	updated_at
1	SBK	Sembako	2024-08-16 02:57:53	NULL
2	SNK	Makanan Ringan	2024-08-16 02:57:53	NULL
3	MND	Peralatan Mandi	2024-08-16 02:57:53	NULL
4	BAY	Keperluan Bayi	2024-08-16 02:57:53	NULL
5	MNM	Minuman	2024-08-16 02:57:53	NULL

barang_id	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	created_at	updated_at
1	1	SBK-001	Beras Cap Jago (5kg)	65000	68000	2024-08-19 20:07:06	NULL
2	1	SBK-002	Beras Bramo Cap Lele	80000	83000	2024-08-19 20:07:06	NULL
3	2	SNK-001	Happy Toss	10500	11000	2024-08-19 20:07:06	NULL
4	2	SNK-002	Oreo	7200	7800	2024-08-19 20:07:06	NULL
5	3	MND-001	Sabun Lifebouy	4250	5000	2024-08-19 20:07:06	NULL
6	3	MND-002	Pasta Gigi Pepsoden	6750	7500	2024-08-19 20:07:06	NULL
7	4	BAY-001	Susu SGM Coklat 900gr	92500	95000	2024-08-19 20:07:06	NULL
8	4	BAY-002	Popok Mamy Poko	56000	58000	2024-08-19 20:07:06	NULL
9	5	MNM-001	Aqua 600ml	3700	4500	2024-08-19 20:07:06	NULL
10	5	MNM-002	Le Mineral	3500	4000	2024-08-19 20:07:06	NULL

Tabel `m_kategori`

	kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/> Edit Copy Delete	1	ELK001	Elektronik	2025-03-04 04:25:33	2025-03-04 04:25:33
<input type="checkbox"/> Edit Copy Delete	2	PMS002	Pakaian & Mode	2025-03-04 04:25:33	2025-03-04 04:25:33
<input type="checkbox"/> Edit Copy Delete	3	MKN003	Makanan & Minuman	2025-03-04 04:25:33	2025-03-04 04:25:33
<input type="checkbox"/> Edit Copy Delete	4	KBT004	Kebutuhan Rumah Tangga	2025-03-04 04:25:33	2025-03-04 04:25:33
<input type="checkbox"/> Edit Copy Delete	5	SPT005	Sport & Outdoor	2025-03-04 04:25:33	2025-03-04 04:25:33
<input type="checkbox"/> Check all	With selected: Edit Copy Delete Export				



**Tabel m\_barang**

	barang_id	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	created_at	updated_at
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	1	BRG001	Laptop ASUS ROG	15000000	18000000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	1	BRG002	Samsung Galaxy S23	12000000	14000000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	2	BRG003	Jaket Hoodie Pria	150000	200000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	3	AYG004	Ayam Sabana	1200000	1500000	2025-03-04 04:43:17	2025-03-23 18:27:32
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	3	BRG005	Kopi Bubuk Arabika	50000	75000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	3	BRG006	Mie Instan Goreng	2500	3500	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	4	BRG007	Sabun Cuci Piring 1L	15000	20000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	8	4	BRG008	Sapu Lantai Kayu	25000	35000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	9	5	BRG009	Sepeda Gunung Polygon	3500000	4000000	2025-03-04 04:43:17	2025-03-04 04:43:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	5	BRG010	Matras Yoga Anti Slip	100000	150000	2025-03-04 04:43:17	2025-03-04 04:43:17

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

- Disini kita akan mencoba untuk memasukkan data ke dalam sistem kita secara banyak. Kita bisa menggunakan file excel untuk mencoba memasukkan data barang ke dalam sistem kita. Kita buat template file excel yang akan kita gunakan untuk import data barang.

	A	B	C	D	E	F
1	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	
2	1	SBK-003	Telur Omega (10 butir)	22000	25000	
3	2	SNK-003	Sari Roti	11500	12500	
4	3	MND-003	Shampo Pantene	17500	18500	
5	4	BAY-003	Baju Bayi 2th	89000	92500	
6	5	MNM-003	Cleo 600ml	3750	4300	
7						

	A	B	C	D	E
1	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual
2	1	SBK-003	Telur Omega (10 butir)	22000	25000
3	2	SNK-003	Sari Roti	11500	12000
4	3	MND-003	Shampo Pantene	17500	18500
5	4	BAY-003	Baju Bayi 2th	89000	92500
6	5	MNM-003	Cleo 600ml	3750	4300
7					

Contoh kita ingin mengimport 5 data barang sekaligus. Kita simpan ke file excel dengan nama **template\_barang.xlsx**, dan kita simpan pada folder **public** di project web kita.

- Selanjutnya kita modifikasi view pada [barang/index.blade.php](#) untuk bisa menambahkan tombol menambah form untuk upload untuk import data barang



```
@extends('layouts.template')

@section('content')
    <div class="card">
        <div class="card-header">
            <h3 class="card-title">Daftar barang</h3>
            <div class="card-tools">
                <button onclick="modalAction('{{ url('/barang/import') }}')" class="btn btninfo">Import Barang</button>
                <a href="{{ url('/barang/create') }}" class="btn btn-primary">Tambah Data</a>
                <button onclick="modalAction('{{ url('/barang/create_ajax') }}')" class="btn btn-success">Tambah Data (Ajax)</button>
            </div>
        </div>
        <div class="card-body">
            <!-- untuk Filter data -->
            <div id="filter" class="form-horizontal filter-date p-2 border-bottom mb-2">
                <div class="row">
                    <div class="col-md-12">
                        <div class="form-group form-group-sm row text-sm mb-0">
                            <label for="filter_date" class="col-md-1 col-form-label">Filter</label>
                            <div class="col-md-3">
                                <select name="filter_kategori" class="form-control formcontrol-sm filter_kategori">
                                    <option value="">- Semua -</option>
                                    @foreach($kategori as $l)
                                        <option value="{{ $l->kategori_id }}">{{ $l->kategori_nama }}</option>
                                    @endforeach
                                </select>
                                <small class="form-text text-muted">Kategori Barang</small>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
            @if(session('success'))
                <div class="alert alert-success">{{ session('success') }}</div>
            @endif
            @if(session('error'))
                <div class="alert alert-danger">{{ session('error') }}</div>
            @endif
        </div>
    </div>
</section>
```



```
<table class="table table-bordered table-sm table-striped table-hover"
id="table-barang">
  <thead>
    <tr><th>No</th><th>Kode Barang</th><th>Kode Barang</th><th>Harga
Beli</th><th>Harga Jual</th><th>Kategori</th><th>Aksi</th></tr>
  </thead>
  <tbody></tbody>
</table>

</div>

<div id="myModal" class="modal fade animate shake" tabindex="-1" data-backdrop="static"
data-keyboard="false" data-width="75%"></div>

@endsection

@push('js') <script>
  function modalAction(url = ''){
    $('#myModal').load(url,function(){
      $('#myModal').modal('show');
    });
  }
  var tableBarang;
  $(document).ready(function(){
    tableBarang = $('#table-barang').DataTable({
      processing: true,
      serverSide: true,
      ajax: {
        "url": "{ url('barang/list') }",
        "dataType": "json",
        "type": "POST",
        "data": function (d) {
          d.filter_kategori = $('#filter_kategori').val();
        }
      },
      columns:
      [{
        data: "No_Urut",
        className: "text-center",
        width: "5%",
        orderable: false,
        searchable: false
      },{
        data: "barang_kode",
        className: "",
        width: "10%",
        orderable: true,
        searchable: true
      },{
        data: "barang_nama",
        className: "",
        width: "37%",
        orderable: true,
        searchable: true
      },{
        data: "harga_beli",
        className: "",
        width: "10%",
        orderable: true,
        searchable: false,
        render: function(data, type, row){
          return new Intl.NumberFormat('id-ID').format(data);
        }
      },{
        data: "harga_jual",
        className: "",
        width: "10%",

```



```

false,
    orderable: true,
    searchable:
render: function(data, type, row){
    return new Intl.NumberFormat('id-ID').format(data);
}
data: "kategori.kategori_nama",
className: "",
width: "14%",
true,
searchable: false
}, {
    data: "aksi",
    className: "text-center",
width: "14%",
searchable: false
}
});
$('#table-barang_filter input').unbind().bind().on('keyup', function(e){
if(e.keyCode == 13){ // enter key
    tableBarang.search(this.value).draw();
}
});

$('.filter_kategori').change(function(){
    tableBarang.draw();
});
</script>
@endpush
```





```
Minggu8 > PWL_POS > resources > views > barang > index.blade.php > {} "1"
1  @extends('layouts.template')
2
3  @section('content')
4      <div class="card">
5          <div class="card-header">
6              <h3 class="card-title">Daftar barang</h3>
7              <div class="card-tools">
8                  <button onclick="modalAction('{{ url(path: '/barang/import') }}')" class="btn btn-
9  info">Import Barang</button>
10                 <a href="{{ url(path: '/barang/create') }}" class="btn btn-primary">Tambah
11                 Data</a>
12                 <button onclick="modalAction('{{ url(path: '/barang/create_ajax') }}')" class="btn
13  btn-success">Tambah Data (Ajax)</button>
14             </div>
15         </div>
16         <div class="card-body">
17             <!-- untuk filter data -->
18             <div id="filter" class="form-horizontal filter-date p-2 border-bottom mb-2">
19                 <div class="row">
20                     <div class="col-md-12">
21                         <div class="form-group form-group-sm row text-sm mb-0">
22                             <label for="filter_date" class="col-md-1 col-form
23  label">Filter</label>
24                             <div class="col-md-3">
25                                 <select name="filter_kategori" class="form-control form
26  control-sm filter_kategori">
27                                     <option value="">- Semua -</option>
28                                     @foreach($kategori as $1)
29                                         <option value="{{ $1->kategori_id }}">{{ $1->kategori_nama }}</option>
30                                     @endforeach
31                                 </select>
32                                 <small class="form-text text-muted">Kategori Barang</small>
33                             </div>
34                         </div>
35                     </div>
36                 </div>
37             </div>
38             @if(session(key: 'success'))
39                 <div class="alert alert-success">{{ session(key: 'success') }}</div>
40             @endif
41             @if(session(key: 'error'))
42                 <div class="alert alert-danger">{{ session(key: 'error') }}</div>
43             @endif
44             <table class="table table-bordered table-sm table-striped table-hover" id="table-barang">
45                 <thead>
46                     <tr>
47                         <th>No</th>
48                         <th>Kode Barang</th>
49                         <th>Kode Barang</th>
```

4. Selanjutnya kita buat view untuk form upload/import file excel dan download file [template\\_barang.xlsx](#). Kita beri nama file dengan nama [barang/import.blade.php](#)



```
<form action="{{ url('/barang/import_ajax') }}" method="POST" id="form-import"
enctype="multipart/form-data">
    @csrf
    <div id="modal-master" class="modal-dialog modal-lg" role="document">
<div class="modal-content">
    <div class="modal-header">
        <h5 class="modal-title" id="exampleModallabel">Import Data Barang</h5>
        <button type="button" class="close" data-dismiss="modal"
arialabel="Close"><span aria-hidden="true">&times;</span></button>
    </div>
    <div class="modal-body">
        <div class="form-group">
            <label>Download Template</label>
            <a href="{{ asset('template_barang.xlsx') }}" class="btn btn-info
btnsm" download><i class="fa fa-file-excel"></i>Download</a>
            <small id="error-kategori_id" class="error-text form-text
textdanger"></small>
        </div>
        <div class="form-group">
            <label>Pilih File</label>
            <input type="file" name="file_barang" id="file_barang"
class="formcontrol" required>
            <small id="error-file_barang" class="error-text form-text
textdanger"></small>
        </div>
    </div>
    <div class="modal-footer">
```





```
<button type="button" data-dismiss="modal" class="btn
btnwarning">Batal</button>
<button type="submit" class="btn btn-primary">Upload</button>
</div>
</div>
</div>
</form>
<script>
$(document).ready(function() {
$("#form-import").validate({
rules: {
file_barang: {required: true, extension: "xlsx"},
},
submitHandler: function(form) {
var formData = new FormData(form); // Jadikan form ke FormData untuk
menghandle file

$.ajax({
type: form.method,
url: form.action,
data: formData, // Data yang dikirim berupa FormData
processData: false, // setting processData dan contentType ke false,
untuk menghandle file
contentType: false,
success: function(response) {
if(response.status){ // jika sukses
$("#myModal").modal('hide');
Swal.fire({
'success',
'Berhasil',
response.message
icon: 'success',
title: 'Berhasil',
text: response.message
});
tableBarang.ajax.reload(); // reload datatable
}else{ // jika error
$('.error-text').text('');
$.each(response.msgField, function(prefix, val) {
$('#error-'+prefix).text(val[0]);
});
Swal.fire({
icon: 'error',
title: 'Terjadi Kesalahan',
text: response.message
});
}
});
return false;
},
errorElement: 'span',
errorPlacement: function (error, element) {
error.addClass('invalid-feedback');
element.closest('.form-group').append(error);
},
highlight: function (element, errorClass, validClass) {
$(element).addClass('is-invalid');
},
unhighlight: function (element, errorClass,
validClass) {
$(element).removeClass('is-invalid');
}
});
});
</script>
```



```
Minggu > PWL_POS > resources > views > barang > import.blade.php > @formForm-import > @div#modal-master:modal-dialog:modal-lg > @div#modal-content > @div#modal-footer > @button
1 <form action="{ {{ url(path: '/barang/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2 <script>
3 <div id="modal-master" class="modal-dialog modal-lg" role="document">
4 <div class="modal-content">
5 <div class="modal-header">
6 <h5 class="modal-title" id="exampleModallabel">Import Data Barang</h5>
7 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span
8 <span aria-hidden="true">&times;</span></button>
9 </div>
10 <div class="modal-body">
11 <div class="form-group">
12 <label>Download Template</label>
13 <a href="{ {{ asset(path: 'template_barang.xlsx') }}" class="btn btn-info btn-sm">Download<div class="fa fa-file-excel"></div>Download
14 <small id="error-kategori_id" class="error-text form-text text-danger"></small>
15 </div>
16 <div class="form-group">
17 <label>Pilih File</label>
18 <input type="File" name="file_barang" id="file_barang" class="form-control" required>
19 <small id="error-file_barang" class="error-text form-text text-danger"></small>
20 </div>
21 </div>
22 <div class="modal-footer">
23 <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>
24 <button type="submit" class="btn btn-primary">Upload</button>
25 </div>
26 </div>
27 </div>
28 </form>
29 <script>
30 $(document).ready(function () {
31 $("#form-import").validate({
32 rules: {
33 file_barang: { required: true, extension: ".xlsx" },
34 },
35 submitHandler: function (form) {
36 var formData = new FormData(form); // Jadikan form ke formData untuk
37 // handle file
38 $.ajax({
39
```

5. Kemudian kita modifikasi [route/web.php](#) untuk mengakomodir proses upload file pada menu barang

```
Route::get('/barang',[BarangController::class,'index']);
Route::post('/barang/list',[BarangController::class,'list']);
Route::get('/barang/create_ajax',[BarangController::class,'create_ajax']); // ajax form create
Route::post('/barang_ajax',[BarangController::class,'store_ajax']); // ajax store
Route::get('/barang/{id}/edit_ajax',[BarangController::class,'edit_ajax']); // ajax form edit
Route::put('/barang/{id}/update_ajax',[BarangController::class,'update_ajax']); // ajax update
Route::get('/barang/{id}/delete_ajax',[BarangController::class,'confirm_ajax']); // ajax form confirm
Route::delete('/barang/{id}/delete_ajax',[BarangController::class,'delete_ajax']); // ajax delete
Route::get('/barang/import',[BarangController::class,'import']); // ajax form upload excel
Route::post('/barang/import_ajax',[BarangController::class,'import_ajax']); // ajax import excel
```



```
Route::middleware(['authorize:ADM,MNG,STF'])->group(function (): void {
    Route::group(['prefix' => 'barang'], function (): void {
        Route::get('/', [BarangController::class, 'index']);
        Route::post('/list', [BarangController::class, 'list']);
        Route::get('/create', [BarangController::class, 'create']);
        Route::post('/create', [BarangController::class, 'store']);
        Route::get('/create_ajax', [BarangController::class, 'create_ajax']);
        Route::post('/ajax', [BarangController::class, 'store_ajax']);
        Route::get('/{id}', [BarangController::class, 'show']);
        Route::get('/{id}/edit', [BarangController::class, 'edit']);
        Route::put('/{id}', [BarangController::class, 'update']);
        Route::get('/{id}/edit_ajax', [BarangController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [BarangController::class, 'update_ajax']);
        Route::delete('/{id}', [BarangController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [BarangController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [BarangController::class, 'delete_ajax']);
        Route::get('/{id}/show_ajax', [BarangController::class, 'show_ajax']);
        Route::get('/import', [BarangController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [BarangController::class, 'import_ajax']); // ajax import excel
    });
});
```

6. Untuk bisa membaca/menulis file excel, maka kita butuhkan library untuk membaca/menulis file excel. Jadi kita bisa memakai library [phpoffice/phpspreadsheet](#). Kita ketikkan perintah di terminal/CMD

```
composer require phpoffice/phpspreadsheet
```

```
PS E:\laragon\www\PEMOGRAMAN-WEB-LANJUT-2025\Minggu8\PWL_POS> composer require phpoffice/phpspreadsheet
./composer.json has been updated
Running composer update phpoffice/phpspreadsheet
Loading composer repositories with package information
Updating dependencies
Lock file operations: 5 installs, 0 updates, 0 removals
  - Locking composer/pcre (3.3.2)
  - Locking maennchen/zipstream-php (3.1.1)
  - Locking markbaker/complex (3.0.2)
  - Locking markbaker/matrix (3.0.1)
  - Locking phpoffice/phpspreadsheet (4.1.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 5 installs, 0 updates, 0 removals
  - Downloading markbaker/matrix (3.0.1)
  - Downloading markbaker/complex (3.0.2)
  - Downloading maennchen/zipstream-php (3.1.1)
  - Downloading composer/pcre (3.3.2)
  - Downloading phpoffice/phpspreadsheet (4.1.0)
  - Installing markbaker/matrix (3.0.1): Extracting archive
  - Installing markbaker/complex (3.0.2): Extracting archive
  - Installing maennchen/zipstream-php (3.1.1): Extracting archive
```

7. Selanjutnya kita modifikasi file [BarangController.php](#) untuk memproses data



```
<?php
namespace App\Http\Controllers;
use App\Models\LevelModel; use
App\Models\BarangModel; use
App\Models\KategoriModel; use
Illuminate\Http\Request; use
Illuminate\Support\Facades\Hash; use
Illuminate\Support\Facades\Validator; use
PhpOffice\PhpSpreadsheet\IOFactory; use
Yajra\DataTables\Facades\DataTables;

class BarangController extends Controller
{
    public function index (){

        $activeMenu = 'barang';
        $breadcrumb = (object) [
            'title' => 'Data Barang',
            'list' => ['Home', 'Barang']
        ];
        $kategori = KategoriModel::select('kategori_id', 'kategori_nama')->get();
        return view('barang.index', [
            'breadcrumb' => $breadcrumb,
            'kategori' => $kategori
        ]);
    }
    public function list(Request $request)
    {
        $barang = BarangModel::select('barang_id', 'barang_kode', 'barang_nama',
            'harga_beli', 'harga_jual', 'kategori_id')->with('kategori');
        $kategori_id = $request->input('filter_kategori');
        if(!empty($kategori_id)){
            $barang->where('kategori_id', $kategori_id);
        }

        return DataTables::of($barang)
            ->addIndexColumn()
            ->addColumn('aksi', function ($barang) { // menambahkan kolom aksi

```



```
if ($request->ajax() || $request->wantsJson()) {
    $rules = [
        'kategori_id' => ['required', 'integer', 'exists:m_kategori,kategori_id'],
        'barang_kode' => ['required', 'min:3', 'max:20'],
        'unique:m_barang,barang_kode, '. $id .',barang_id'],
        'barang_nama' => ['required', 'string', 'max:100'],
        'harga_beli' => ['required', 'numeric'],
        'harga_jual' => ['required', 'numeric'],
    ];

    // use Illuminate\Support\Facades\Validator;
    $validator = Validator::make($request->all(), $rules);
    if ($validator->fails()) {
        return response()->json([
            'status' => false, // respon json, true: berhasil, false: gagal
            'message' => 'Validasi gagal.',
            'msgField' => $validator->errors() // menunjukkan field mana yang error
        ]);
    }

    $check = BarangModel::find($id);
    if ($check) {
        $check->update($request->all());
        return response()->json([
            'status' => true,
            'message' => 'Data berhasil diupdate'
        ]);
    } else{
        return response()->json([
            'status' => false,
            'message' => 'Data tidak ditemukan'
        ]);
    }
}

return redirect('/');
}

public function confirm_ajax($id)
{
    $barang = BarangModel::find($id);
    return view('barang.confirm_ajax', ['barang' => $barang]);
}

public function delete_ajax(Request $request, $id)
{
    if($request->ajax() || $request->wantsJson()){
        $barang = BarangModel::find($id);
        if($barang){ // jika sudah ditemuikan
            $barang->delete(); // barang di hapus
            return response()->json([
                'status' => true,
                'message' => 'Data berhasil dihapus'
            ]);
        } else{
            return response()->json([
                'status' => false,
                'message' => 'Data tidak ditemukan'
            ]);
        }
    }
    return redirect('/');
}

public function import()
{
    return view('barang.import');
}
```



```
public function import_ajax(Request $request)
{
    if($request->ajax() || $request->wantsJson()){
        $rules = [
            // validasi file harus xls atauxlsx, max 1MB
            'file_barang' => ['required', 'mimes:xlsx', 'max:1024']
        ];

        $validator = Validator::make($request->all(), $rules);
        if($validator->fails()){
            return response()->json([
                'status' => false,
                'message' => 'Validasi Gagal',
                'msgField' => $validator->errors()
            ]);
        }

        $file = $request->file('file_barang'); // ambil file dari request
        $reader = IOFactory::createReader('Xlsx'); // load reader file excel
        $reader->setReadDataOnly(true); // hanya membaca data
        $spreadsheet = $reader->load($file->getRealPath()); // load file excel
        $sheet = $spreadsheet->getActiveSheet(); // ambil sheet yang aktif
        $data = $sheet->toArray(null, false, true, true); // ambil data excel

        $insert = [];
        if(count($data) > 1){ // jika data lebih dari 1 baris
            foreach ($data as $baris => $value) {
                if($baris > 1){ // baris ke 1 adalah header, maka lewati
                    $insert[] = [
                        'kategori_id' => $value['A'],
                        'barang_kode' => $value['B'],
                        'barang_nama' => $value['C'],
                        'harga_beli' => $value['D'],
                        'harga_jual' => $value['E'],
                        'created_at' => now(),
                    ];
                }
            }
        }

        if(count($insert) > 0){
            // insert data ke database, jika data sudah ada, maka diabaikan
            BarangModel::insertOrIgnore($insert);
        }

        return response()->json([
            'status' => true,
            'message' => 'Data berhasil diimport'
        ]);
    }else{
        return response()->json([
            'status' => false,
            'message' => 'Tidak ada data yang diimport'
        ]);
    }
}
return redirect('/');
}
```





```
Minggu8 > PWL_POS > app > Http > Controllers > BarangController.php > PHP > BarangController > index()
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\LevelModel;
6  use App\Models\BarangModel;
7  use App\Models\KategoriModel;
8  use Illuminate\Http\Request;
9  use Illuminate\Support\Facades\Hash;
10 use Illuminate\Support\Facades\Validator;
11 use PhpOffice\PhpSpreadsheet\IOFactory;
12 use Yajra\DataTables\Facades\DataTables;
13
14 class BarangController extends Controller
15 {
16     120 references | 0 implementations
17     public function index(): Factory|View
18     {
19         $activeMenu = 'barang';
20         $breadcrumb = (object) [
21             'title' => 'Data Barang',
22             'list' => ['Home', 'Barang']
23         ];
24
25         $kategori = KategoriModel::select('kategori_id', 'kategori_nama')->get();
26         return view('barang.index', data: [
27             'activeMenu' => $activeMenu,
28             'breadcrumb' => $breadcrumb,
29             'kategori' => $kategori
30         ]);
31     }
32
33     8 references | 0 overrides
34     public function list(Request $request): JsonResponse
35     {
36         $barang = BarangModel::select('barang_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual', 'kategori_id')->with('kategori');
37
38         $kategori_id = $request->input('filter_kategori');
39         if (empty($kategori_id)) {
40             $barang->where('kategori_id', $kategori_id);
41         }
42
43         return DataTables::of($barang)
44             ->addIndexColumn()
45             ->addColumn('aksi', function ($barang): string { // menambahkan kolom aksi
46                 $btn = 'ca href="'.url('/barang/'. $barang->barang_id).'" class="btn btninfo btn-sm">Detail/a> ';
```



```
Minggu8 > PWL_POS > app > Http > Controllers > BarangController.php > PHP > BarangController > index()
14 class BarangController extends Controller
34 public function list(Request $request): JsonResponse
45     ->addColumn('aksi', function ($barang): string { // menambahkan kolom aksi
53         return $btn;
54     })
55     ->rawColumns(['aksi']) // ada teks html
56     ->make(true);
57 }
58
7 references | 0 overrides
59 public function create_ajax(): mixed|View
60 {
61     $kategori = KategoriModel::select('kategori_id', 'kategori_nama')->get();
62     return view('barang.create_ajax')->with('kategori', $kategori);
63 }
64
7 references | 0 overrides
65 public function store_ajax(Request $request): JsonResponse|mixed
66 {
67     if ($request->ajax() || $request->wantsJson()) {
68         $rules = [
69             'kategori_id' => ['required', 'integer', 'exists:m_kategori,kategori_id'],
70             'barang_kode' => [
71                 'required',
72                 'min:3',
73                 'max:20',
74                 'unique:m_barang,barang_kode'
75             ],
76             'barang_nama' => ['required', 'string', 'max:100'],
77             'harga_beli' => ['required', 'numeric'],
78             'harga_jual' => ['required', 'numeric'],
79         ];
80
81         $validator = Validator::make($request->all(), $rules);
82         if ($validator->fails()) {
83             return response()->json([
84                 'status' => false,
85                 'message' => 'Validasi Gagal',
86                 'msgField' => $validator->errors()
87             ]);
88         }
89
90         BarangModel::create($request->all());
91         return response()->json([
92             'status' => true,
93             'message' => 'Data berhasil disimpan'
94         ]);
95     }
96     redirect(to: '/');
```



8. Sekarang kita coba jalankan browser dan klik tombol import pada menu Barang

Import Data Barang

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Pilih File

[Browse...](#) No file selected.

[Batal](#) [Upload](#)

Data Barang

Import Data

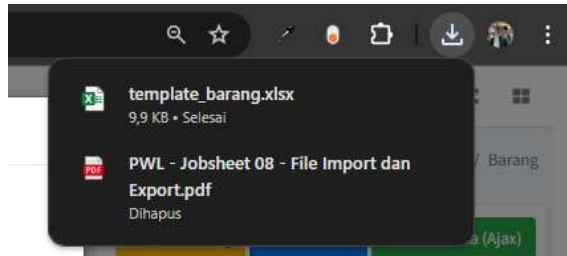
No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori	Aksi
1	BRG001	Laptop ASUS ROG	10.000.000	10.000.000	Elektronik	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
2	BRG002	Samsung Galaxy S21	12.000.000	14.000.000	Elektronik	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
3	BRG003	Jaket Hoodie Pria	150.000	200.000	Pakaian & Mode	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
4	BRG004	Ayam Sate	1.200.000	1.300.000	Makanan & Minuman	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
5	BRG005	Kopi Bubuk Arabika	50.000	75.000	Makanan & Minuman	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
6	BRG006	Mie Instan Goreng	2.500	3.300	Makanan & Minuman	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
7	BRG007	Selvit Cuci Piring 1L	15.000	20.000	Kebutuhan Rumah Tangga	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
8	BRG008	Sapu Lantai Pajero	25.000	33.000	Kebutuhan Rumah Tangga	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
9	BRG009	Sepatu Gunung Pelanggaran	3.000.000	4.000.000	Sport & Outdoor	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
10	BRG010	Matras Yoga Asim Sigi	100.000	130.000	Sport & Outdoor	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

Import Data Barang

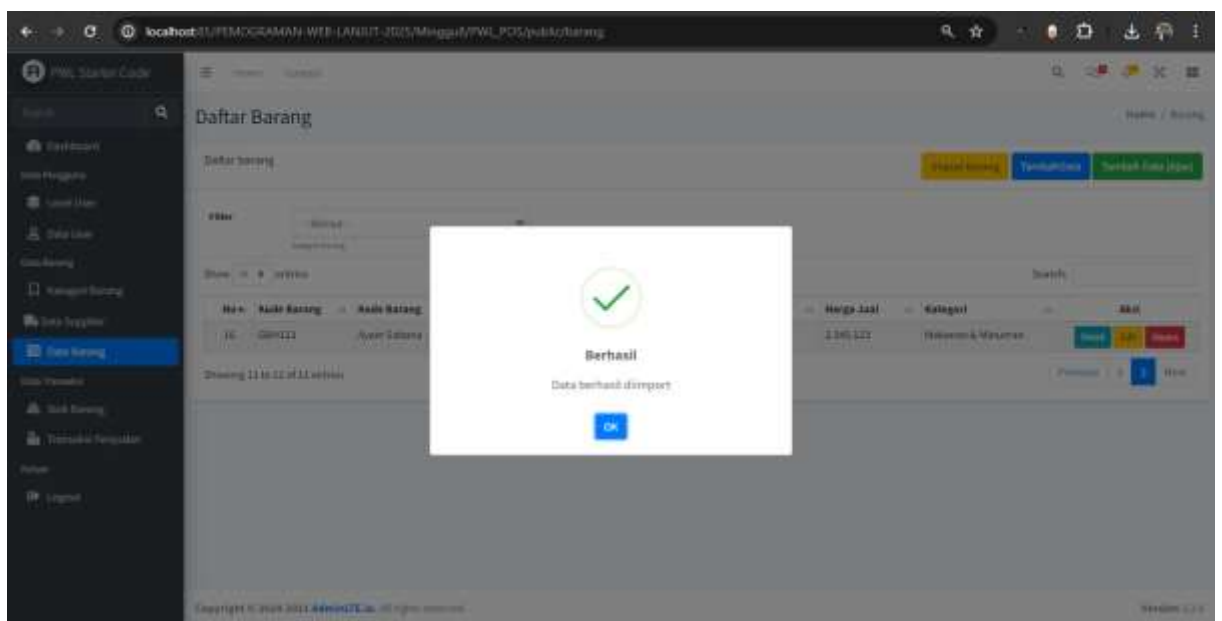
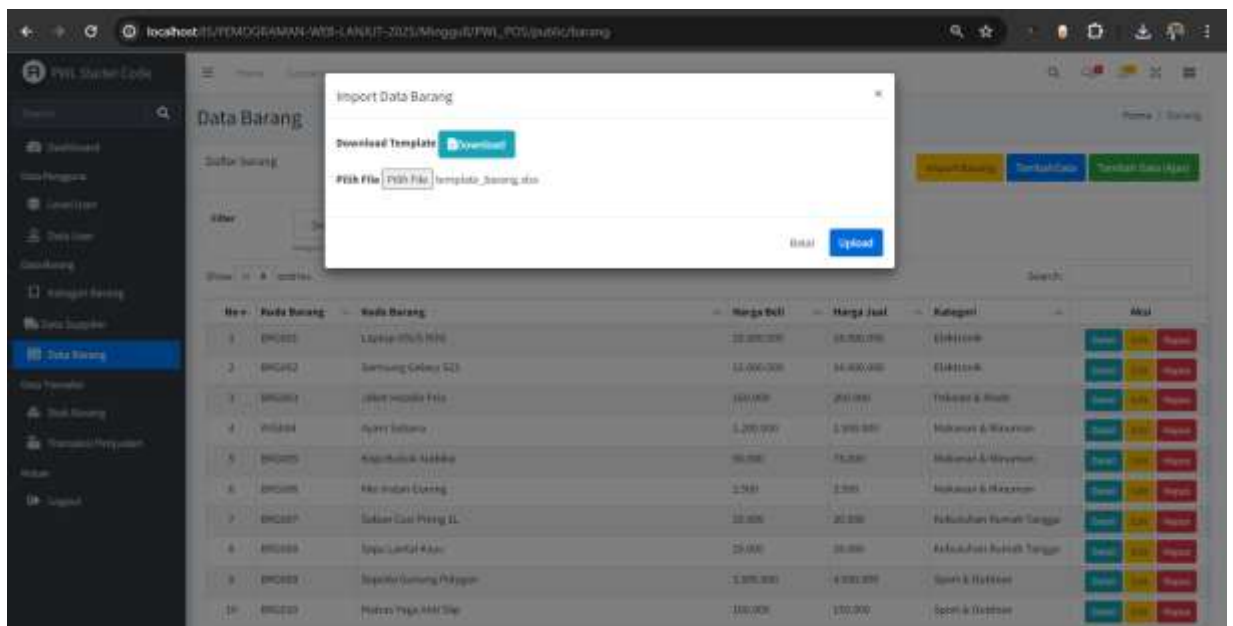
Download Template [Download](#)

Pilih File [Pilih File](#) Tidak ada file yang dipilih

[Batal](#) [Upload](#)



9. Kita upload template data yang sudah kita siapkan, dan amati apa yang terjadi.





ID	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori Barang	Aksi
37	SBR-003	Teksa Omega (10 butir)	22000	25000	Elektronik	Tambah, Edit, Hapus
38	SBR-003	Savi Babi	11500	12500	Pakaian & Mode	Tambah, Edit, Hapus
39	MILU-003	Shampoo Pantene	17500	18500	Makanan & Minuman	Tambah, Edit, Hapus
40	BAY-003	Baju Bayi 2th	89000	92500	Kebutuhan Rumah Tangga	Tambah, Edit, Hapus
41	MVM-003	Clas Wood	3750	4000	Sport & Outdoor	Tambah, Edit, Hapus

### Tugas 1 – Implementasi File Upload untuk Import Data:

1. Silahkan implementasikan praktikum 1 pada project kalian masing-masing untuk semua menu

**Tabel m\_user**

UserController.php

```
Minggu8 > PWL_POS > app > Http > Controllers > UserController.php > PHP Intelephense > UserController > import_ajax

1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\LevelModel;
6  use App\Models\UserModel;
7  use Illuminate\Http\Request;
8  use Yajra\DataTables\Facades\DataTables;
9  use Illuminate\Support\Facades\Validator;
10 use PhpOffice\PhpSpreadsheet\IOFactory;
11
```



```
public function import(): Factory|View
{
    return view(view: 'user.import');
}
1 reference | 0 overrides
public function import_ajax(Request $request): JsonResponse|mixed|Redirector|RedirectRes...
{
    if ($request->ajax() || $request->wantsJson()) {
        $rules = ['file_user' => ['required', 'mimes:xlsx', 'max:1024']];
        $validator = Validator::make($request->all(), $rules);

        if ($validator->fails()) {
            return response()->json([
                'status' => false,
                'message' => 'Validasi Gagal',
                'msgField' => $validator->errors()
            ]);
        }

        $file = $request->file('file_user');
        $reader = IOFactory::createReader('Xlsx');
        $reader->setReadDataOnly(true);
        $spreadsheet = $reader->load($file->getRealPath());
        $sheet = $spreadsheet->getActiveSheet();
        $data = $sheet->toArray(null, false, true, true);
        $insert = [];

        if (count($data) > 1) {
            foreach ($data as $baris => $value) {
                if ($baris > 1) {
                    $insert[] = [
                        'user_id' => $value['A'],
                        'level_id' => $value['B'],
                        'username' => $value['C'],
                        'nama' => $value['D'],
                        'password' => $value['E'],
                        'created_at' => now()
                    ];
                }
            }
        }
    }
}
```





### User/import.blade.php

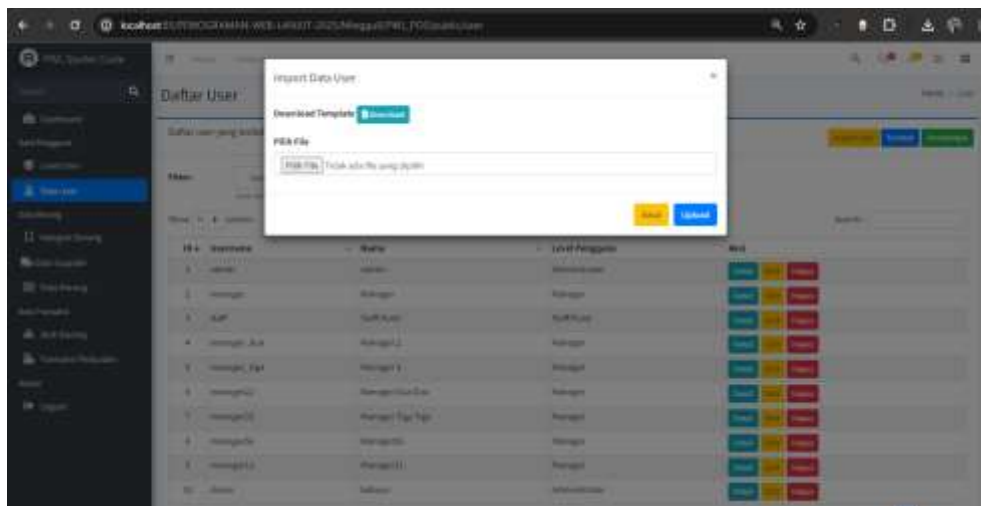
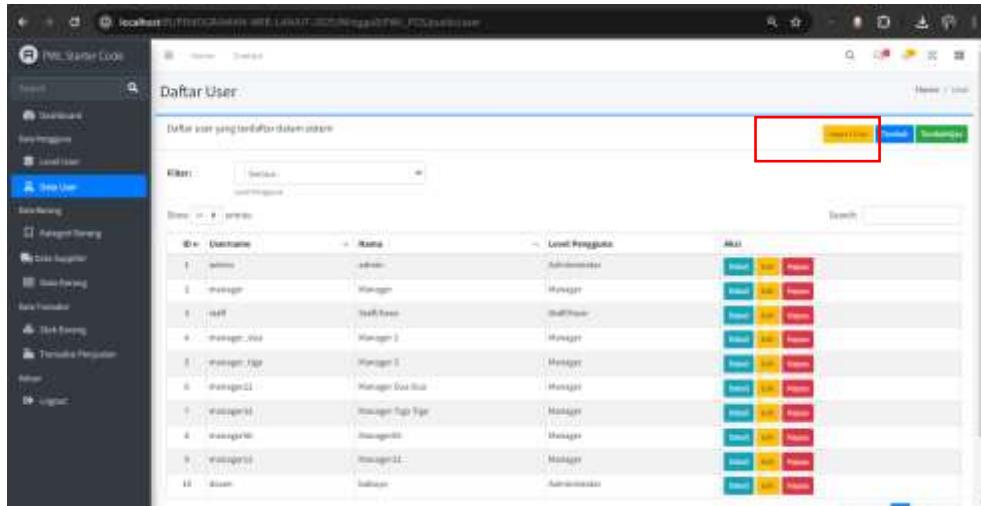
```
Minggu8 > PWL_POS > resources > views > user > import.blade.php > form#form-import > div#modal-master.modal-dialog.modal-lg > div.modal-content > d
1 <form action="{{ url(path: 'user/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2 @csrf
3 <div id="modal-master" class="modal-dialog modal-lg" role="document">
4 <div class="modal-content">
5 <div class="modal-header">
6 <h5 class="modal-title" id="exampleModallabel">Import Data User</h5>
7 <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8 <span aria-hidden="true">&times;</span>
9 </button>
10 </div>
11 <div class="modal-body">
12 <div class="form-group">
13 <label>Download Template</label>
14 <a href="{{ asset(path: 'template_user.xlsx') }}" class="btn btn-info btn-sm download">
15 <i class="fa fa-file-excel"></i> Download
16 </a>
17 <small id="error-user_id" class="error-text form-text text-danger"></small>
18 </div>
19 <div class="form-group">
20 <label>Pilih File</label>
21 <input type="file" name="file_user" id="file_user" class="form-control" required>
22 <small id="error-file_user" class="error-text form-text text-danger"></small>
23 </div>
24 </div>
25 <div class="modal-footer">
26 <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>
27 <button type="submit" class="btn btn-primary">Upload</button>
28 </div>
29 </div>
30 </div>
31 </form>
32 </script>
```

### User/index.blade.php

```
Minggu8 > PWL_POS > resources > views > user > index.blade.php > {} > {} > div.card.card-outline-primary > div.card-header > div.card-body > button.btn.btn-warning.btn-sm.py-1.px-2.mt-1.Import User</button>
1 @extends('layouts.template')
2 @section('content')
3 <div class="card card-outline card-primary">
4 <div class="card-header">
5 <h3 class="card-title">{{ $page->title }}</h3>
6 <div class="card-tools">
7 <button onclick="modalAction('{{ url(path: 'user/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import User</button>
8 <a class="btn btn-sm btn-primary mt-1" href="{{ url(path: 'user/create') }}">Tambah</a>
9 <button onclick="modalAction('{{ url(path: 'user/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahAjax</button>
10 </div>
11 </div>
```

### Route user

```
Route::middleware(['authorize:ADM,MWG,STF'])->group(function () { void {
Route::middleware(['auth'])->group(function () { void { // artinya semua route di dalam group ini harus login dulu
Route::get('/', [WelcomeController::class, 'index']);
Route::group(['prefix' => 'user'], function () { void {
Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
Route::get('/create_ajax', [UserController::class, 'create_ajax']); // Menampilkan halaman form tambah user Ajax
Route::post('/ajax', [UserController::class, 'store_ajax']); // Menyimpan data user baru Ajax
Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user
Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user
Route::get('/{id}/show_ajax', [UserController::class, 'show_ajax']); // Menampilkan detail user menggunakan AJAX
Route::get('/{id}/edit_ajax', [UserController::class, 'edit_ajax']); // Menampilkan halaman form edit user Ajax
Route::put('/{id}/update_ajax', [UserController::class, 'update_ajax']); // Menyimpan perubahan data user Ajax
Route::get('/{id}/delete_ajax', [UserController::class, 'confirm_ajax']); // Untuk tampilkan form confirm delete user Ajax
Route::delete('/{id}/delete_ajax', [UserController::class, 'delete_ajax']); // Untuk hapus data user Ajax
Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user
Route::get('/import', [UserController::class, 'import']); // ajax form upload excel
Route::post('/import_ajax', [UserController::class, 'import_ajax']); // ajax import excel
});
});
});
```



template\_user - Excel

template_user - Excel					
File Home Insert Page Layout Formulas Data Review View					
Clipboard Font Alignment					
I4					
	A	B	C	D	E
1	user_id	level_id	username	nama	password
2	4	4	shabrina	rina	shabrina123
3	5	5	sarah	sara	sarah123
4	6	6	salamah	salma	salamah123
5					




Import Data User

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Pilih File

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**Berhasil**

Data berhasil diimport

[OK](#)

Daftar User

Daftar user yang terdaftar dalam sistem

Filter:

Search:

ID	Username	Nama	Level Pengguna	Aksi
1	admin	admin	Administrator	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
2	manager	Manager	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
3	staff	Staff/Kasir	Staff/Kasir	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
4	ghabrina	dina	Human Resources	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
5	sarah	sara	Information Technology	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
6	salamah	salma	Finance	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
7	manager_dua	Manager 2	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
8	manager_tiga	Manager 3	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
9	manager22	Manager Dua Dua	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
10	manager33	Manager Tiga Tiga	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>



## Tabel m\_kategori

### KategoriController.php

```
Minggu8 > PWL_POS > app > http > Controllers > KategoriController.php > (PHP) > KategoriController > edit_ssd()
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\KategoriModel;
6 use Illuminate\Support\Facades\DB;
7 use Illuminate\Http\Request;
8 use Yajra\DataTables\Facades\DataTables;
9 use Illuminate\Support\Facades\Validator;
10 use PhpOffice\PhpSpreadsheet\IDFactory;
11
12
13 // References | Implementation
14 class KategoriController extends Controller
15 {
16     // References | Overrides
17     public function index(): Factory\View
18     {
19         $breadcrumb = (object) [
20             'title' => 'Daftar Kategori',
21             'list' => ['home', 'Kategori']
22         ];
23
24         $page = (object) [
25             'title' => 'Daftar kategori yang terdaftar dalam sistem'
26         ];
27
28         $activeMenu = 'kategori';
29
30         return view('kategori.index', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
31     }
32
33     // References | Overrides
34     public function list(Request $request): JsonResponse
35     {
36         $kategori = KategoriModel::select('kategori_id', 'kategori_kode', 'kategori_nama');
37
38         if ($request->kategori_id) {
39             $kategori->where('kategori_id', $request->kategori_id);
40         }
41     }
42 }
```

### Kategori/import.blade.php

```
Minggu8 > PWL_POS > resources > views > kategori > importblade.php > script > <function> > submitHandler > success
1 <form action="{{ url(path: 'kategori/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2     @csrf
3     <div id="modal-master" class="modal-dialog modal-lg role="document">
4         <div class="modal-content">
5             <div class="modal-header">
6                 <h5 class="modal-title" id="exampleModalLabel">Import Data Kategori Barang</h5>
7                 <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8                     <span aria-hidden="true">&times;</span>
9                 </button>
10            </div>
11            <div class="modal-body">
12                <div class="form-group">
13                    <label>Download Template</label>
14                    <a href="{{ asset(path: 'template_kategori.xlsx') }}" class="btn btn-info btn-sm download">
15                        <i class="fa fa-file-excel"></i> Download
16                    </a>
17                    <small id="error-kategori_id" class="error-text form-text text-danger"></small>
18                </div>
19                <div class="form-group">
20                    <label>Pilih File</label>
21                    <input type="file" name="file_kategori" id="file_kategori" class="form-control" required>
22                    <small id="error-file_kategori" class="error-text form-text text-danger"></small>
23                </div>
24            </div>
25            <div class="modal-footer">
26                <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>
27                <button type="submit" class="btn btn-primary">Upload</button>
28            </div>
29        </div>
30    </div>
31 </form>
32 <script>
33     $(document).ready(function() {
```



## Kategori/index.blad

```
Minggul > PWL_POS > resources > views > kategori > indexblade.php > {} T > @div.card.card-outline-card-primary > @div.card-body > @div.alert.alert-success  
1 extends('layouts.template')  
2  
3 @section('content')  
4 <div class="card card-outline card-primary">  
5 <div class="card-header">  
6 <h3 class="card-title">{{ $page->title }}</h3>  
7 <div class="card-tools">  
8 <button onclick="modalAction('{{ url(path: '/kategori/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Kategori</button>  
9 <button class="btn btn-sm btn-primary mt-1" href="{{ url(path: 'kategori/create') }}">Tambah</button>  
10 <button onclick="modalAction('{{ url(path: 'kategori/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">Tambah Ajax</button>  
11 </div>  
12 </div>
```

## Route kategori

```
Route::middleware(['authorize:ADM,MNG,STF'])->group(function (): void {  
    Route::group(['prefix' => 'kategori'], function (): void {  
        Route::get('/', [KategoriController::class, 'index']);  
        Route::post('/list', [KategoriController::class, 'list']);  
        Route::get('/create', [KategoriController::class, 'create']);  
        Route::post('/', [KategoriController::class, 'store']);  
        Route::get('/create_ajax', [KategoriController::class, 'create_ajax']);  
        Route::post('/ajax', [KategoriController::class, 'store_ajax']);  
        Route::get('/{id}', [KategoriController::class, 'show']);  
        Route::get('/{id}/edit', [KategoriController::class, 'edit']);  
        Route::put('/{id}', [KategoriController::class, 'update']);  
        Route::get('/{id}/edit_ajax', [KategoriController::class, 'edit_ajax']);  
        Route::put('/{id}/update_ajax', [KategoriController::class, 'update_ajax']);  
        Route::get('/{id}/delete_ajax', [KategoriController::class, 'confirm_ajax']);  
        Route::delete('/{id}/delete_ajax', [KategoriController::class, 'delete_ajax']);  
        Route::get('/{id}/show_ajax', [KategoriController::class, 'show_ajax']);  
        Route::delete('/{id}', [KategoriController::class, 'destroy']);  
        Route::get('/import', [KategoriController::class, 'import']); // ajax form upload excel  
        Route::post('/import_ajax', [KategoriController::class, 'import_ajax']); // ajax import excel  
    });  
});
```

Daftar Kategori

Daftar kategori yang terdaftar dalam sistem:

ID	Kode Kategori	Nama Kategori	Aksi
1	ELP001	Elektronik	Detail Edit Hapus
2	PMS002	Pakaian & Mode	Detail Edit Hapus
3	MEN003	Makanan & Minuman	Detail Edit Hapus
4	KDT004	Kebutuhan Rumah Tinggi	Detail Edit Hapus
5	SPT005	Sport & Outdoor	Detail Edit Hapus

Showing 1 to 5 of 5 entries

Previous 1 Next





Import Data Kategori Barang

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Pilih File

Tidak ada file yang dipilih

[Batal](#) [Upload](#)

Kecantikan & Perawatan					
	A	B	C	D	E
1	<b>kategori_id</b>	<b>kategori_kode</b>	<b>kategori_nama</b>		
2	6	BK001	Buku & Alat Tulis		
3	7	TRV002	Travel & Liburan		
4	8	KBR003	Kecantikan & Perawatan		
5	9	FNB004	Furniture & Dekorasi		
6	10	HTH005	Hobi & Kerajinan		
7					

Import Data Kategori Barang

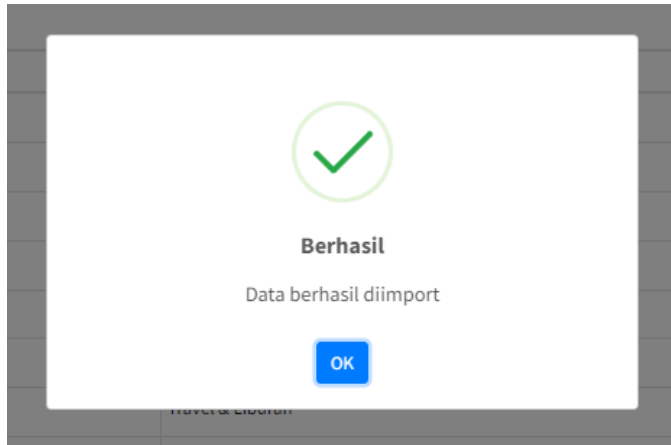
Download Template [Download](#)

Pilih File

template\_kategori.xlsx

[Batal](#) [Upload](#)





Daftar Kategori

Daftar kategori yang terdaftar dalam sistem

Show: 10 entries

ID	Kode Kategori	Nama Kategori	Aksi
1	ELK001	Elektronik	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
2	PMK002	Pakaian & Mode	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
3	MKN003	Makanan & Minuman	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
4	KBT004	Kebutuhan Rumah Tangga	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
5	SPT005	Sport & Outdoor	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
6	BH001	Buku & Alat Tulis	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
7	TRV002	Travel & Liburan	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
8	KBR003	Kecantikan & Perawatan	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
9	FTD004	Furniture & Dekorasi	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
10	HTH005	Hobi & Kerajinan	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

Showing 1 to 10 of 10 entries

Previous 1 Next

**Tabel m\_level**  
LevelController.php



```
Minggu8 > PWL_POS > app > Http > Controllers > LevelController.php > PHP IDE/Phpstorm > LevelController > Import  
1 <?php  
2  
3 namespace App\Http\Controllers;  
4  
5 use App\Models\LevelModel;  
6 use Illuminate\Http\Request;  
7 use Yajra\DataTables\Facades\DataTables;  
8 use Illuminate\Support\Facades\Validator;  
9 use PhpOffice\PhpSpreadsheet\IOFactory;  
10 use PhpOffice\PhpSpreadsheet\Writer\Xlsx;  
11  
12 class LevelController extends Controller  
13 {  
14     // references: 0 dependencies  
15     public function index() Factory\View  
16     {  
17         $breadcrumb = (object) [  
18             'title' => 'Daftar Level',  
19             'list' => ['Home', 'Level']  
20         ];  
21  
22         $page = (object) [  
23             'title' => 'Daftar level yang terdaftar dalam sistem'  
24         ];  
25  
26         $activeMenu = 'level';  
27  
28         return view('level.index', data: compact('var_name', 'breadcrumb', 'var_name', 'page', 'activeMenu'));  
29     }  
30  
31     // Ambil data level dalam bentuk json untuk datatables  
32     // references: 0 dependencies  
33     public function list(Request $request) JsonResponse  
34     {  
35         $levels = LevelModel::select('level_id', 'level_kode', 'level_nama');  
36  
37         if ($request->level_id) {  
38             $levels->where('level_id', $request->level_id);  
39         }  
40     }  
41 }
```

Level/import.blade.php

```
Minggu8 > PWL_POS > resources > views > level > import.blade.php > script > <function> > submitHandler > success  
1 <form action="{{ url(path: 'level/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-da  
2     @csrf  
3     <div id="modal-master" class="modal-dialog modal-lg" role="document">  
4         <div class="modal-content">  
5             <div class="modal-header">  
6                 <h5 class="modal-title" id="exampleModalLabel">Import Data Level</h5>  
7                 <button type="button" class="close" data-dismiss="modal" aria-label="Close">  
8                     <span aria-hidden="true">&times;</span></button>  
9             </div>  
10            <div class="modal-body">  
11                <div class="form-group">  
12                    <label>Download Template</label>  
13                    <a href="{{ asset(path: 'template_level.xlsx') }}" class="btn btn-info btn-sm" download>  
14                        <i class="fa fa-file-excel"></i> Download  
15                    </a>  
16                    <small id="error-level_id" class="error-text form-text text-danger"></small>  
17                </div>  
18                <div class="form-group">  
19                    <label>Pilih File</label>  
20                    <input type="file" name="file_level" id="file_level" class="form-control" required>  
21                    <small id="error-file_level" class="error-text form-text text-danger"></small>  
22                </div>  
23            </div>  
24            <div class="modal-footer">  
25                <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>  
26                <button type="submit" class="btn btn-primary">Upload</button>  
27            </div>  
28        </div>  
29    </div>  
30 </form>  
31 </script>
```

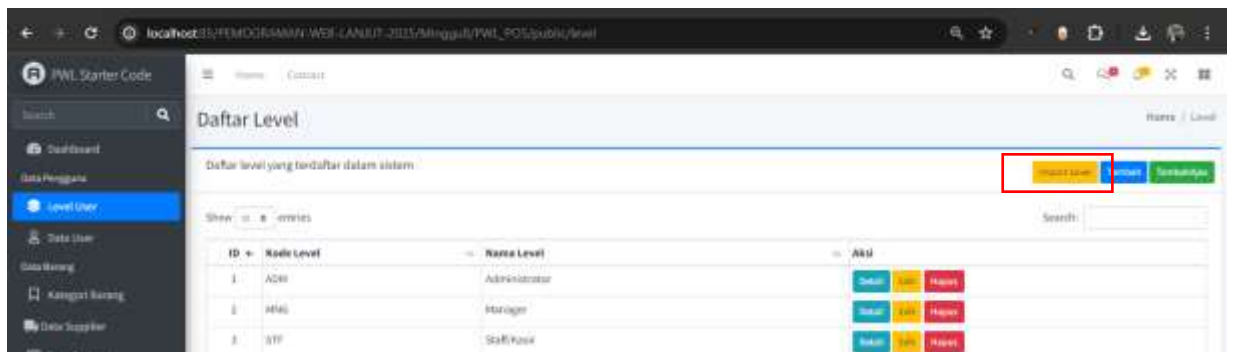


## Level/index.blade.php

```
Minggub > PWL_POS > resources > views > level > indexblade.php > {} > T > @script > @<function>
1 @extends('layouts.template')
2
3 @section('content')
4     <div class="card card-outline card-primary">
5         <div class="card-header">
6             <h3 class="card-title">{{ $page->title }}</h3>
7             <div class="card-tools">
8                 <button onclick="modalAction('{{ url(path: '/level/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Level</button>
9                 <button class="btn btn-sm btn-primary mt-1" href="{{ url(path: '/level/create') }}">Tambah</button>
10                 <button onclick="modalAction('{{ url(path: '/level/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahAjax</button>
11             </div>
12         </div>
13     </div>
```

## Route Level

```
Route::middleware(['authorize:ADM,MNG,STF'])->group(function (): void {
    Route::group(['prefix' => 'level'], function (): void {
        Route::get('/', [LevelController::class, 'index']);
        Route::post('/list', [LevelController::class, 'list']);
        Route::get('/create', [LevelController::class, 'create']);
        Route::get('/create_ajax', [LevelController::class, 'create_ajax']);
        Route::post('/ajax', [LevelController::class, 'store_ajax']);
        Route::post('/', [LevelController::class, 'store']);
        Route::get('/{id}', [LevelController::class, 'show']);
        Route::get('/{id}/edit', [LevelController::class, 'edit']);
        Route::get('/{id}/edit_ajax', [LevelController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [LevelController::class, 'update_ajax']);
        Route::get('/{id}/show_ajax', [LevelController::class, 'show_ajax']);
        Route::delete('/{id}', [LevelController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [LevelController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [LevelController::class, 'delete_ajax']);
        Route::get('/import', [LevelController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [LevelController::class, 'import_ajax']); // ajax import excel
    });
});
```





Import Data Level

Download Template

Download

Pilih File

Pilih File

Tidak ada file yang dipilih

Batal

Upload

C8	A	B	C	D
1	level_id	level_kode	level_nama	
2	4	HRD	Human Resources	
3	5	IT	Information Technology	
4	6	FIN	Finance	
5				

Import Data Level

Download Template

Download

Pilih File

Pilih File

template\_level.xlsx

Batal

Upload



Daftar Level

Daftar level yang terdaftar dalam sistem

Show 1 to 6 entries

ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
2	MNG	Manager	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
3	STF	Staff/Kasir	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
4	HRD	Human Resources	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
5	IT	Information Technology	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
6	FIN	Finance	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

Showing 1 to 6 of 6 entries

Previous 1 Next

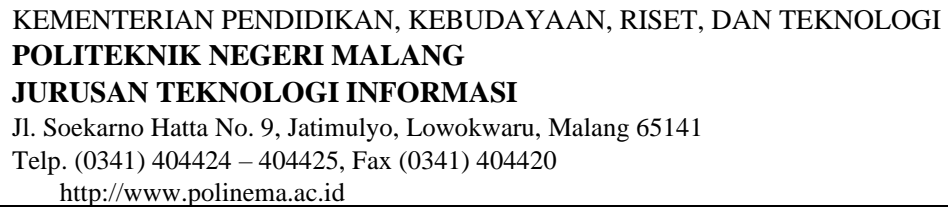
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## Tabel m\_supplier

### SupplierController.php

```
Minggu8 > PWL_POS > app > Http > Controllers > SupplierController.php > PHP Intelephense > SupplierController > import_ajax
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\SupplierModel;
6  use Illuminate\Http\Request;
7  use Yajra\DataTables\Facades\DataTables;
8  use Illuminate\Support\Facades\Validator;
9  use PhpOffice\PhpSpreadsheet\IOFactory;
10
11  121 references | 0 implementations
12  class SupplierController extends Controller
13  {
14      8 references | 0 overrides
15      public function index(): Factory|View
16      {
17          $breadcrumb = (object) [
18              'title' => 'Daftar Supplier',
19              'list' => ['Home', 'Supplier']
20          ];
21
22          $page = (object) [
23              'title' => 'Daftar supplier yang terdaftar dalam sistem'
24          ];
25
26          $activeMenu = 'supplier';
27
28          return view('supplier.index', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
29      }
30      8 references | 0 overrides
31      public function list(Request $request): JsonResponse
32      {
33          $suppliers = SupplierModel::select('supplier_id', 'supplier_kode', 'supplier_nama', 'supplier_alamat');
```





```

1  <form action="{{ url(path: 'supplier/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2      <csrf
3      <div id="modal-master" class="modal-dialog modal-lg role="document">
4          <div class="modal-content">
5              <div class="modal-header">
6                  <h5 class="modal-title" id="exampleModalLabel">Import Data Supplier</h5>
7                  <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8                      <span aria-hidden="true">&times;</span>
9                  </button>
10             </div>
11             <div class="modal-body">
12                 <div class="form-group">
13                     <label>Download Template</label>
14                     <a href="{{ asset(path: 'template_supplier.xlsx') }}" class="btn btn-info btn-sm">download<
15                         <i class="fa fa-file-excel"></i>
16                     </a>
17                     <small id="error-supplier_id" class="error-text form-text text-danger"></small>
18                 </div>
19                 <div class="form-group">
20                     <label>Pilih File</label>
21                     <input type="file" name="file_supplier" id="file_supplier" class="form-control" required>
22                     <small id="error-file_supplier" class="error-text form-text text-danger"></small>
23                 </div>
24             </div>
25             <div class="modal-footer">
26                 <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>
27                 <button type="submit" class="btn btn-primary">Upload</button>
28             </div>
29         </div>
30     </div>
31 </form>

```

```

1 extends('layouts.template')
2
3 Section('content')
4     <div class="card card-outline card-primary">
5         <div class="card-header">
6             <h3 class="card-title">{{ $page->title }}</h3>
7             <div class="card-tools">
8                 <button onclick="modalAction('{{ url(path: 'supplier/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Supplier</button>
9                 <button class="btn btn-sm btn-primary mt-1" href="{{ url(path: 'supplier/create') }}">Tambah</button>
10                 <button onclick="modalAction('{{ url(path: 'supplier/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">Tambah Ajax</button>
11             </div>
12         </div>

```

```
Route::middleware(['authorize:ADM,MNG,STF'])->group(function (): void {
    Route::group(['prefix' => 'supplier', function (): void {
        Route::get('/', [SupplierController::class, 'index']);
        Route::post('/list', [SupplierController::class, 'list']);
        Route::get('/create', [SupplierController::class, 'create']);
        Route::post('/', [SupplierController::class, 'store']);
        Route::get('/create_ajax', [SupplierController::class, 'create_ajax']);
        Route::post('/ajax', [SupplierController::class, 'store_ajax']);
        Route::get('/{id}', [SupplierController::class, 'show']);
        Route::get('/{id}/edit', [SupplierController::class, 'edit']);
        Route::put('/{id}', [SupplierController::class, 'update']);
        Route::get('/{id}/edit_ajax', [SupplierController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [SupplierController::class, 'update_ajax']);
        Route::delete('/{id}', [SupplierController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [SupplierController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [SupplierController::class, 'delete_ajax']);
        Route::get('/{id}/show_ajax', [SupplierController::class, 'show_ajax'])->name('supplier.show_ajax');
        Route::get('/import', [SupplierController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [SupplierController::class, 'import_ajax']); // ajax import excel
        Route::get('/export_excel', [SupplierController::class, 'export_excel']); // export excel
    });
});
```





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<http://www.polinema.ac.id>

localhost:8080/PEMOGBAMAN-WEB-LARUT-2023/Minggu/PWL\_POI/auth/supplier

PWL Starter Code

Daftar Supplier

Daftar supplier yang terdaftar dalam sistem

Import Supplier Tambah Tambah Lagi

Show 5 entries

ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SUP001	PT. Sumber Berkah	Jl. Merdeka No. 123, Jakarta	Detail Edit Hapus
2	SUP002	CV. Maju Jaya	Jl. Sudirman No. 45, Bandung	Detail Edit Hapus
3	SUP003	UD. Sukses Makmur	Jl. Diponegoro No. 78, Surabaya	Detail Edit Hapus
4	SUP004	Toko Gede Sejahtera	Jl. Ahmad Yani No. 56, Yogyakarta	Detail Edit Hapus
5	SUP005	PT. Cahaya Abadi	Jl. Gajah Mada No. 99, Semarang	Detail Edit Hapus

Showing 1 to 5 of 5 entries

Previous Next

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Import Data Supplier

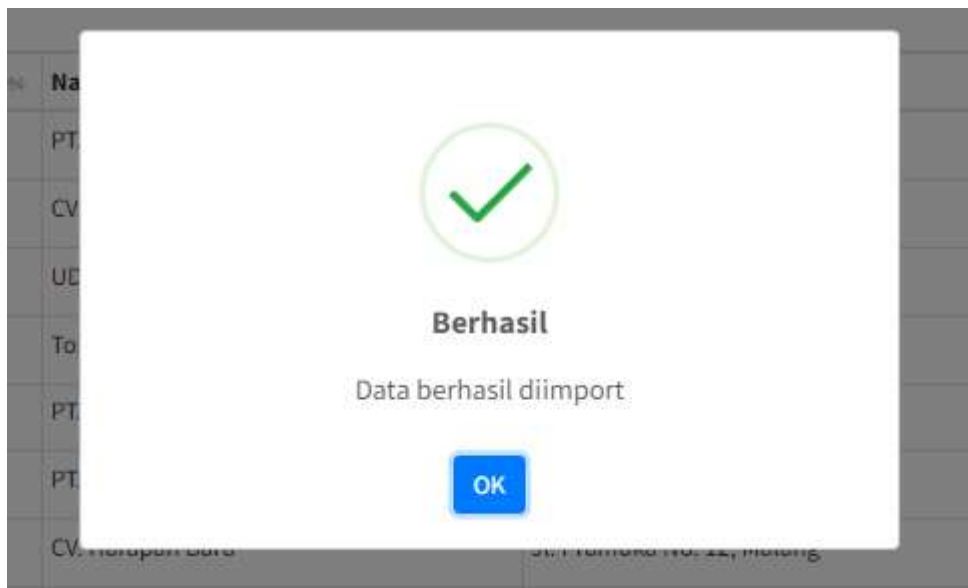
Download Template Download

Pilih File

Pilih File Tidak ada file yang dipilih

Batal Upload

	A	B	C	D
1	supplier_id	supplier_kode	supplier_nama	supplier_alamat
2	6	SUP006	PT. Global Sentosa	Jl. Raya No. 101, Medan
3	7	SUP007	CV. Harapan Baru	Jl. Pramuka No. 12, Malang
4	8	SUP008	UD. Sejahtera Abadi	Jl. Kemerdekaan No. 34, Bali
5	9	SUP009	Toko Mitra Jaya	Jl. Pahlawan No. 22, Surakarta
6	10	SUP010	PT. Lintas Sukses	Jl. Sudirman No. 10, Makassar
7				
8				
9				



ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SUP001	PT. Sumber Berkah	Jl. Merdeka No. 123, Jakarta	Detail Edit Hapus
2	SUP002	CV. Maja Jaya	Jl. Sudirman No. 45, Bandung	Detail Edit Hapus
3	SUP003	UD. Sukses Makmur	Jl. Diponegoro No. 78, Surabaya	Detail Edit Hapus
4	SUP004	Toko Grosir Sejahtera	Jl. Ahmad Yani No. 56, Yogyakarta	Detail Edit Hapus
5	SUP005	PT. Cahaya Abadi	Jl. Gajah Mada No. 89, Semarang	Detail Edit Hapus
6	SUP006	PT. Global Sentosa	Jl. Raya No. 101, Medan	Detail Edit Hapus
7	SUP007	CV. Harapan Baru	Jl. Pramuka No. 12, Malang	Detail Edit Hapus
8	SUP008	UD. Sejahtera Abadi	Jl. Karmadikuan No. 34, Bali	Detail Edit Hapus
9	SUP009	Toko Miko Jaya	Jl. Pahlawan No. 22, Surakarta	Detail Edit Hapus
10	SUP010	PT. Lintas Sukses	Jl. Sudirman No. 10, Makassar	Detail Edit Hapus

2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
3. Submit kode untuk impementasi prakktikum 1 pada repository github kalian.

## B. Export Excel di Laravel

Fitur export ke Excel pada Laravel merupakan alat yang sangat berguna dalam aplikasi web yang membutuhkan pengolahan dan penyajian data secara profesional. Fitur ini memungkinkan pengguna untuk mengeksport data dari database atau hasil pemrosesan lainnya



ke dalam format file Excel (.xlsx atau .xls) yang bisa diunduh dan digunakan untuk berbagai tujuan, seperti pelaporan, analisis data, atau penyimpanan arsip.

Fitur export ke Excel di Laravel memungkinkan Kita untuk menyediakan data dalam format yang lebih fleksibel dan mudah digunakan oleh pengguna akhir.

## Praktikum 2 – Export Data ke Excel

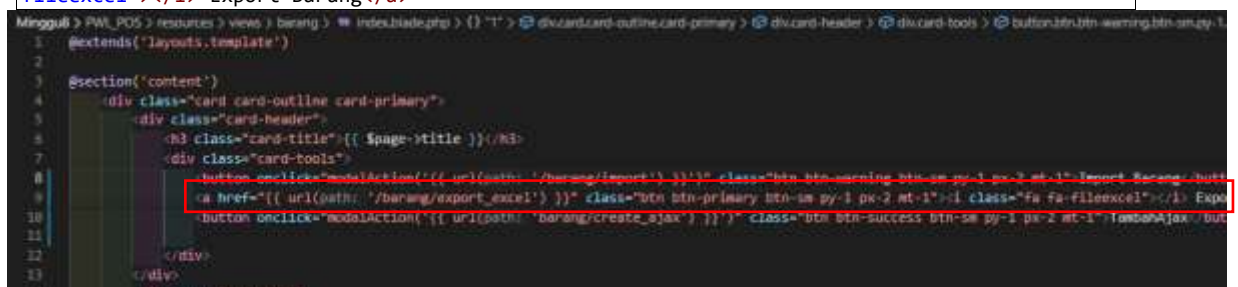
Kita akan menerapkan export data dari database ke file excel pada project Laravel dengan menggunakan library yang sama dengan praktikum 1. Langkah-langkah yang kita kerjakan sebagai berikut:

1. Kita modifikasi `barang/index.blade.php` dengan mengganti kode berikut

```
<a href="{{ url('/barang/create') }}" class="btn btn-primary">Tambah Data</a>
```

Kita ubah dengan

```
<a href="{{ url('/barang/export_excel') }}" class="btn btn-primary"><i class="fa fa-fileexcel"></i> Export Barang</a>
```



Hal ini kita lakukan karena tombol **Tambah Data** sudah tidak kita gunakan karena kita sudah menggunakan tombol **Tambah Data (Ajax)**.

2. Kemudian kita tambahkan route pada `route/web.php` untuk bisa memproses export excel

```
Route::get('/barang/import',[BarangController::class,'import']); // ajax form upload excel  
Route::post('/barang/import_ajax',[BarangController::class,'import_ajax']); // ajax import excel  
Route::get('/barang/export_excel',[BarangController::class,'export_excel']); // export excel
```



```
Route::middleware(['authorize:ADM,MNG,STF'])->group(function () { void {
    Route::group(['prefix' => 'barang'], function () { void {
        Route::get('/', [BarangController::class, 'index']);
        Route::post('/list', [BarangController::class, 'list']);
        Route::get('/create', [BarangController::class, 'create']);
        Route::post('/', [BarangController::class, 'store']);
        Route::get('/create_ajax', [BarangController::class, 'create_ajax']);
        Route::post('/ajax', [BarangController::class, 'store_ajax']);
        Route::get('/{id}', [BarangController::class, 'show']);
        Route::get('/{id}/edit', [BarangController::class, 'edit']);
        Route::put('/{id}', [BarangController::class, 'update']);
        Route::get('/{id}/edit_ajax', [BarangController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [BarangController::class, 'update_ajax']);
        Route::delete('/{id}', [BarangController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [BarangController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [BarangController::class, 'delete_ajax']);
        Route::get('/{id}/show_ajax', [BarangController::class, 'show_ajax']);
        Route::get('/import', [BarangController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [BarangController::class, 'import_ajax']); // ajax import excel
        Route::get('/export_excel', [BarangController::class, 'export_excel']); // export excel
    });
});
```

3. Selanjutnya kita tambahkan fungsi `export_excel()` pada file `BarangController.php`
4. Kita ambil data barang yang akan kita export ke excel (tentu dengan menyertakan relasi kategori barang)

```
232 public function export_excel()
233 {
234     // ambil data barang yang akan di export
235     $barang = BarangModel::select('kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual')
236         ->orderBy('kategori_id')
237         ->with('kategori')
238         ->get();
```

```
public function export_excel(): never
{
    // ambil data barang yang akan di export
    $barang = BarangModel::select('kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual')
        ->orderBy('kategori_id')
        ->with('kategori')
        ->get();
```

5. Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel

```
240 // load library excel
241 $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
242 $sheet = $spreadsheet->getActiveSheet(); // ambil sheet yang aktif
243
244 $sheet->setCellValue('A1', 'No');
245 $sheet->setCellValue('B1', 'Kode Barang');
246 $sheet->setCellValue('C1', 'Nama Barang');
247 $sheet->setCellValue('D1', 'Harga Beli');
248 $sheet->setCellValue('E1', 'Harga Jual');
249 $sheet->setCellValue('F1', 'Kategori');
250
251 $sheet->getStyle('A1:F1')->getFont()->setBold(true); // bold header
```



```
// load library excel
$spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
$sheet = $spreadsheet->getActiveSheet(); // ambil yang active

$sheet->setCellValue('A1', 'No');
$sheet->setCellValue('B1', 'Kode Barang');
$sheet->setCellValue('C1', 'Nama Barang');
$sheet->setCellValue('D1', 'Harga Beli');
$sheet->setCellValue('E1', 'Harga Jual');
$sheet->setCellValue('F1', 'Kategori');

$sheet->getStyle('A1:F1')->getFont()->setBold(true); // bold header
```

6. Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel

```
253 $no = 1; // nomor data dimulai dari 1
254 $baris = 2; // baris data dimulai dari baris ke 2
255 foreach ($barang as $key => $value) {
256     $sheet->setCellValue('A' . $baris, $no);
257     $sheet->setCellValue('B' . $baris, $value->barang_kode);
258     $sheet->setCellValue('C' . $baris, $value->barang_nama);
259     $sheet->setCellValue('D' . $baris, $value->harga_beli);
260     $sheet->setCellValue('E' . $baris, $value->harga_jual);
261     $sheet->setCellValue('F' . $baris, $value->kategori->kategori_nama); // ambil nama kategori
262     $baris++;
263     $no++;
264 }
```

```
$no = 1;
$baris = 2;
foreach ($barang as $key => $value) {
    $sheet->setCellValue('A' . $baris, $no);
    $sheet->setCellValue('B' . $baris, $value->barang_kode);
    $sheet->setCellValue('C' . $baris, $value->barang_nama);
    $sheet->setCellValue('D' . $baris, $value->harga_beli);
    $sheet->setCellValue('E' . $baris, $value->harga_jual);
    $sheet->setCellValue('F' . $baris, $value->kategori->kategori_nama); // ambil nama kategori
    $baris++;
    $no++;
}
```

7. Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom

```
266 foreach(range('A','F') as $columnID) {
267     $sheet->getColumnDimension($columnID)->setAutoSize(true); // set auto size untuk kolom
268 }
```

```
foreach (range(start: 'A', end: 'F') as $columnID) {
    $sheet->getColumnDimension($columnID)->setAutoSize(true); // set auto size kolom
}
```

8. Bagian akhir proses export excel adalah kita set nama sheet, dan proses untuk dapat di download oleh pengguna





```
270 $sheet->setTitle('Data Barang'); // set title sheet
271
272 $writer = IOFactory::createWriter($spreadsheet, 'Xlsx');
273 $filename = 'Data Barang '.date('Y-m-d H:i:s').'.xlsx';
274
275 header('Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
276 header('Content-Disposition: attachment;filename="'.$filename.'"');
277 header('Cache-Control: max-age=0');
278 header('Cache-Control: max-age=1');
279 header('Expires: Mon, 26 Jul 1997 05:00:00 GMT');
280 header('Last-Modified: ' . gmdate('D, d M Y H:i:s') . ' GMT');
281 header('Cache-Control: cache, must-revalidate');
282 header('Pragma: public');
283
284 $writer->save('php://output');
285 exit;
286 } // end function export_excel
```

```
$sheet->setTitle('Data Barang'); // set title sheet
$writer = IOFactory::createWriter($spreadsheet, 'Xlsx');
$filename = 'Data Barang '.date(format: 'Y-m-d H:i:s') . '.xlsx';
header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
header(header: 'Content-Disposition: attachment;filename="'.$filename.'"');
header(header: 'Cache-Control: max-age=0');
header(header: 'Cache-Control: max-age=1');
header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT');
header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT');
header(header: 'Cache-Control: cache, must-revalidate');
header(header: 'Pragma: public');

$writer->save('php://output');
exit;
} // end function export_excel
```

9. Jika sudah selesai diimplementasikan, kita coba untuk melakukan Download file Export tersebut.

No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori
1	SBK-001	Beras Cap Jago (5kg)	65000	68000	Sembako
2	SBK-002	Beras Bramo Cap Lela	80000	83000	Sembako
3	SBK-003	Telur Omega (10 butir)	22000	25000	Sembako
4	SNK-001	Happy Toss	10500	11000	Makanan Ringan
5	SNK-002	Oreo	7200	7800	Makanan Ringan
6	SNK-003	Sari Roti	11500	12500	Makanan Ringan
7	MND-001	Sabun Lifebouy	4250	5000	Peralatan Mandi
8	MND-002	Pasta Gigi Pepsoden	6750	7500	Peralatan Mandi
9	MND-003	Shampo Pantene	17500	18500	Peralatan Mandi
10	BAY-001	Susu SGM Coldat 900gr	92500	95000	Keperluan Bayi
11	BAY-002	Popok Mamy Poko	56000	58000	Keperluan Bayi
12	BAY-003	Baju Bayi 2th	89000	92500	Keperluan Bayi
13	MNM-001	Aqua 600ml	3700	4500	Minuman
14	MNM-002	Le Mineral	3500	4000	Minuman
15	MNM-003	Cleo 600ml	3750	4300	Minuman





Daftar barang yang terdaftar dalam sistem

Filter: Semua Kategori Barang

Show 10 entries

ID	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori Barang	Aksi
1	BKG001	Laptop ASUS ROG	15000000	18000000	Elektronik	Detail Edit Hapus
2	BKG002	Samsung Galaxy S21	12000000	14000000	Elektronik	Detail Edit Hapus
3	BKG003	Jaket Hoodie Pria	150000	200000	Pakaian & Moda	Detail Edit Hapus
4	ANG004	Nyany Sabana	1200000	1500000	Makanan & Minuman	Detail Edit Hapus
5	BKG005	Kopi Bubuk Arabika	50000	75000	Makanan & Minuman	Detail Edit Hapus
6	BKG006	Mie Instan Goreng	2500	3000	Makanan & Minuman	Detail Edit Hapus
7	BKG007	Selamun Cuci Piring 1L	10000	20000	Kebutuhan Rumah Tangga	Detail Edit Hapus
8	BKG008	Sapu Lantai Rayu	25000	30000	Kebutuhan Rumah Tangga	Detail Edit Hapus
9	BKG009	Sepeda Gunung Polygon	1500000	4000000	Sport & Outdoor	Detail Edit Hapus
10	BKG010	Matras Yoga Karet Slip	300000	150000	Sport & Outdoor	Detail Edit Hapus

Daftar barang yang terdaftar dalam sistem

Filter: Semua Kategori Barang

Show 10 entries

ID	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori Barang	Aksi
1	BKG001	Laptop ASUS ROG	15000000	18000000	Elektronik	Detail Edit Hapus
2	BKG002	Samsung Galaxy S21	12000000	14000000	Elektronik	Detail Edit Hapus
3	BKG003	Jaket Hoodie Pria	150000	200000	Pakaian & Moda	Detail Edit Hapus
4	ANG004	Nyany Sabana	1200000	1500000	Makanan & Minuman	Detail Edit Hapus
5	BKG005	Kopi Bubuk Arabika	50000	75000	Makanan & Minuman	Detail Edit Hapus
6	BKG006	Mie Instan Goreng	2500	3000	Makanan & Minuman	Detail Edit Hapus
7	BKG007	Selamun Cuci Piring 1L	10000	20000	Kebutuhan Rumah Tangga	Detail Edit Hapus
8	BKG008	Sapu Lantai Rayu	25000	30000	Kebutuhan Rumah Tangga	Detail Edit Hapus
9	BKG009	Sepeda Gunung Polygon	1500000	4000000	Sport & Outdoor	Detail Edit Hapus
10	BKG010	Matras Yoga Karet Slip	300000	150000	Sport & Outdoor	Detail Edit Hapus



	A	B	C	D	E	F
1	No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori
2	1	BRG001	Laptop ASUS ROG	15000000	18000000	Elektronik
3	2	BRG002	Samsung Galaxy S23	12000000	14000000	Elektronik
4	3	SBK-003	Telur Omega (10 butir)	22000	25000	Elektronik
5	4	BRG003	Jaket Hoodie Pria	150000	200000	Pakaian & Mode
6	5	SNK-003	Sari Roti	11500	12000	Pakaian & Mode
7	6	AYG004	Ayam Sabana	1200000	1500000	Makanan & Minuman
8	7	BRG005	Kopi Bubuk Arabika	50000	75000	Makanan & Minuman
9	8	BRG006	Mie Instan Goreng	2500	3500	Makanan & Minuman
10	9	MND-003	Shampo Pantene	17500	18500	Makanan & Minuman
11	10	BRG007	Sabun Cuci Piring 1L	15000	20000	Kebutuhan Rumah Tangga
12	11	BRG008	Sapu Lantai Kayu	25000	35000	Kebutuhan Rumah Tangga
13	12	BAY-003	Baju Bayi 3th	89000	92500	Kebutuhan Rumah Tangga
14	13	BRG009	Sepeda Gunung Polygon	3500000	4000000	Sport & Outdoor
15	14	BRG010	Matras Yoga Anti Slip	100000	150000	Sport & Outdoor
16	15	MNM-003	Cleo 600	3750	4300	Sport & Outdoor
17						

## Tugas 2 – Implementasi File Export Excel:

1. Silahkan implementasikan praktikum 2 pada project kalian masing-masing untuk semua menu

### Tabel m\_kategori

#### KategoriController.php

```
public function export_excel(): never
{
    // ambil data barang yang akan di export
    $kategori = KategoriModel::select('kategori_id', 'kategori_kode', 'kategori_nama')->orderBy('kategori_id')->get();

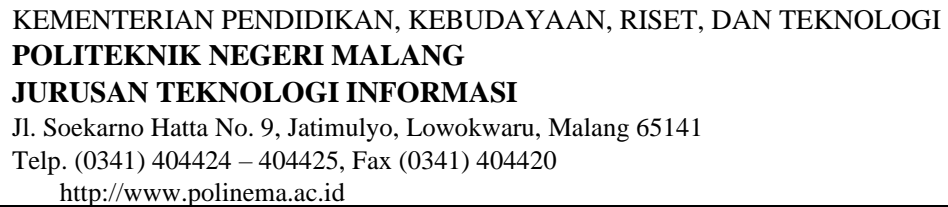
    // load library excel
    $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
    $sheet = $spreadsheet->getActiveSheet(); // ambil yang active

    $sheet->setCellValue('A1', 'No');
    $sheet->setCellValue('B1', 'kategori id');
    $sheet->setCellValue('C1', 'kategori kode');
    $sheet->setCellValue('D1', 'kategori nama');

    $sheet->getStyle('A1:D1')->getFont()->setBold(true); // bold header

    $no = 1;
    $baris = 2;
    foreach ($kategori as $key => $value) {
        $sheet->setCellValue('A' . $baris, $no);
        $sheet->setCellValue('B' . $baris, $value->kategori_id);
        $sheet->setCellValue('C' . $baris, $value->kategori_kode);
        $sheet->setCellValue('D' . $baris, $value->kategori_nama);
        $baris++;
        $no++;
    }

    foreach (range(start: 'A', end: 'D') as $columnID) {
        $sheet->getColumnDimension($columnID)->setAutoSize(true); // set auto size kolom
    }
}
```



```

1 youts.template')
2
3 ntent')
4 ss="card card-outline card-primary">
5   class="card-header">
6   <h3 class="card-title">{{ $page->title }}</h3>
7   <div class="card-tools">
8     <button onclick="makeAction({{ url(path: '/kategori/import') }})" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Kategori</button>
9     <a href="{{ url(path: '/kategori/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1"><i class="fa fa-file-excel"></i> Export Kategori
10    <button onclick="makeAction({{ url(path: '/kategori/create_ajax') }}" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahJax</button>
11  </div>
12  <div>
13    class="card-body">

```

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {
    Route::group(['prefix' => 'kategori', function (): void {
        Route::get('/', [KategoriController::class, 'index']);
        Route::post("/list", [KategoriController::class, 'list']);
        Route::get('/create', [KategoriController::class, 'create']);
        Route::post('/', [KategoriController::class, 'store']);
        Route::get('/create_ajax', [KategoriController::class, 'create_ajax']);
        Route::post('/ajax', [KategoriController::class, 'store_ajax']);
        Route::get('/{id}', [KategoriController::class, 'show']);
        Route::get('/{id}/edit', [KategoriController::class, 'edit']);
        Route::put('/{id}', [KategoriController::class, 'update']);
        Route::get('/{id}/edit_ajax', [KategoriController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [KategoriController::class, 'update_ajax']);
        Route::get('/{id}/delete_ajax', [KategoriController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [KategoriController::class, 'delete_ajax']);
        Route::get('/{id}/show_ajax', [KategoriController::class, 'show_ajax']);
        Route::delete('/{id}', [KategoriController::class, 'destroy']);
        Route::get('/import', [KategoriController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [KategoriController::class, 'import_ajax']); // ajax import excel
        Route::get('/export_excel', [KategoriController::class, 'export_excel']); // export excel
    });
});
```

The screenshot shows the 'Daftar Kategori' page in the PWL Starter Code application. The page has a sidebar on the left with the 'Kategori Barang' menu item selected. The main content area displays a table of 10 categories. The table has four columns: ID, Kode Kategori, Nama Kategori, and Aksi. The 'Aksi' column contains three buttons: 'Detail' (blue), 'Edit' (yellow), and 'Hapus' (red). The table lists various categories such as Elektronik, Makanan & Minuman, and Hobi & Hewan.

ID	Kode Kategori	Nama Kategori	Aksi
1	ELK001	Elektronik	Detail Edit Hapus
2	FM002	Pakaian & Mode	Detail Edit Hapus
3	MNM003	Makanan & Minuman	Detail Edit Hapus
4	HT004	Kepulauan Rumah Tinggi	Detail Edit Hapus
5	SPT005	Sport & Outdoor	Detail Edit Hapus
6	SK006	Buku & Komik	Detail Edit Hapus
7	TR007	Travel & Liburan	Detail Edit Hapus
8	RR008	Restoran & Perawatan	Detail Edit Hapus
9	HN009	Hewan & Perawatan	Detail Edit Hapus
10	HT010	Hobi & Hewan	Detail Edit Hapus

Showing 1 to 10 of 10 entries



A1	:	X	✓	f <sub>x</sub>	No
	A	B	C	D	E
1	No	kategori id	kategori kode	kategori nama	
2	1	1	ELK001	Elektronik	
3	2	2	PMS002	Pakaian & Mode	
4	3	3	MKN003	Makanan & Minuman	
5	4	4	KBT004	Kebutuhan Rumah Tangga	
6	5	5	SPT005	Sport & Outdoor	
7	6	6	BK001	Buku & Alat Tulis	
8	7	7	TRV002	Travel & Liburan	
9	8	8	KBR003	Kecantikan & Perawatan	
10	9	9	FNB004	Furniture & Dekorasi	
11	10	10	HTH005	Hobi & Kerajinan	
12					

### Tabel m\_user

#### UserController.php

```
public function export_excel(): never
{
    // ambil data barang yang akan di export
    // Kita ambil data barang yang akan kita export ke excel (tentu dengan menyertakan relasi user)
    $user = UserModel::select('user_id', 'level_id', 'username', 'nama', 'password')->orderBy('level_id')->with('level')->get();

    // load library excel
    // Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
    $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
    $sheet = $spreadsheet->getActiveSheet(); // ambil yang active

    $sheet->setCellValue('A1', 'No');
    $sheet->setCellValue('B1', 'User ID');
    $sheet->setCellValue('C1', 'Level ID');
    $sheet->setCellValue('D1', 'Username');
    $sheet->setCellValue('E1', 'Nama');
    $sheet->setCellValue('F1', 'Password');

    $sheet->getStyle('A1:F1')->getFont()->setBold(true); // bold header

    // Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel
    $no = 1;
    $baris = 2;
    foreach ($user as $key => $value) {
        $sheet->setCellValue('A' . $baris, $no);
        $sheet->setCellValue('B' . $baris, $value->user_id);
        $sheet->setCellValue('C' . $baris, $value->level->level_id);
        $sheet->setCellValue('D' . $baris, $value->username);
        $sheet->setCellValue('E' . $baris, $value->nama);
        $sheet->setCellValue('F' . $baris, $value->password);
        $baris++;
        $no++;
    }

    // Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom
    foreach (range(start: 'A', end: 'F') as $columnID) {
        $sheet->getColumnDimension($columnID)->setAutoSize(true); // set auto size kolom
    }
}
```



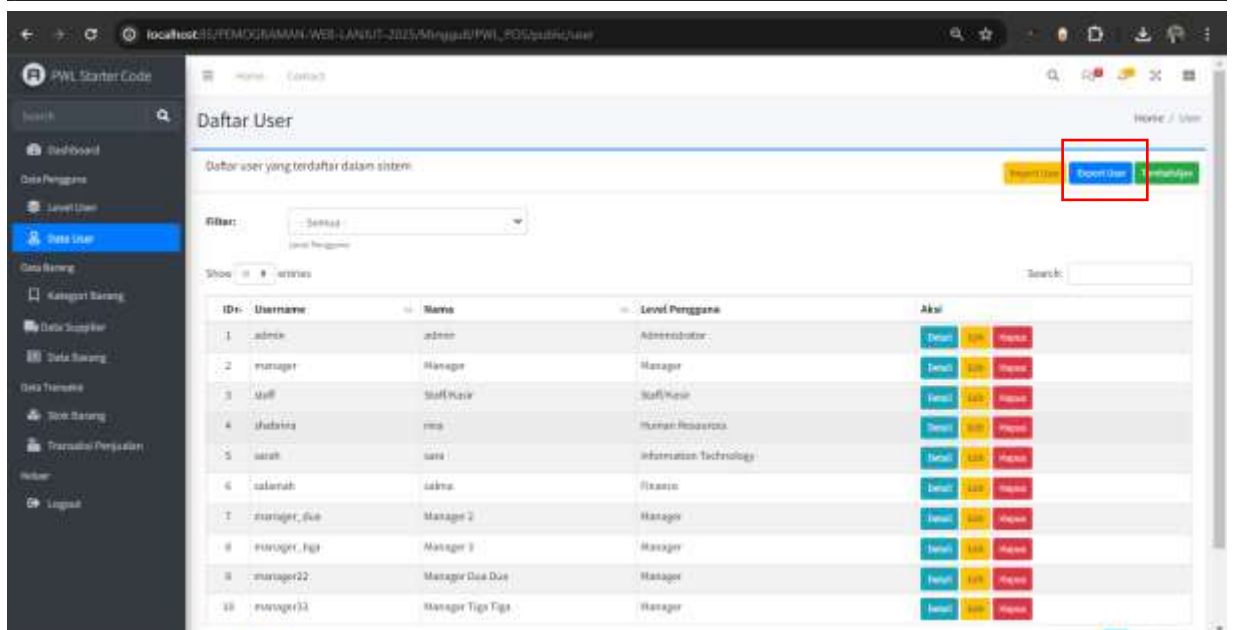


## User/index.blade.php

```
Minggu > PWL_POS > resources > views > user > index.blade.php > {} > <div class="card-outline card-primary"> @div card-body > @div row > @div col-md-12 > @div form-group row > @div  
1 layouts.template())  
2 content')  
3 <div class="card card-outline card-primary">  
4 <div class="card-header">  
5 <div class="card-title">{{ $page->title }}</div>  
6 <div class="card-tools">  
7 <button onclick="modalAction('{{ url(path: '/user/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import User</button>  
8 <a href="{{ url(path: '/user/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1" <i class="fa fa-file-excel"></i> Export User</a>  
9 <button onclick="modalAction('{{ url(path: '/user/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">Tambah Ajax</button>  
10 </div>  
11 </div>
```

## Route User

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {  
Route::middleware(['auth'])->group(function (): void { // artinya semua route di dalam group ini harus login dulu  
Route::get('/', [WelcomeController::class, 'index']);  
Route::group(['prefix' => 'user'], function (): void {  
Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user  
Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables  
Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user  
Route::post('/', [UserController::class, 'store']); // menyimpan data user baru  
Route::get('/create_ajax', [UserController::class, 'create_ajax']); // Menampilkan halaman form tambah user Ajax  
Route::post('/ajax', [UserController::class, 'store_ajax']); // Menyimpan data user baru Ajax  
Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user  
Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user  
Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user  
Route::get('/{id}/show_ajax', [UserController::class, 'show_ajax']); // Menampilkan detail user menggunakan AJAX  
Route::get('/{id}/edit_ajax', [UserController::class, 'edit_ajax']); // Menampilkan halaman form edit user Ajax  
Route::put('/{id}/update_ajax', [UserController::class, 'update_ajax']); // Menyimpan perubahan data user Ajax  
Route::get('/{id}/delete_ajax', [UserController::class, 'confirm_ajax']); // Untuk tampilan form confirm delete user Ajax  
Route::delete('/{id}/delete_ajax', [UserController::class, 'delete_ajax']); // Untuk hapus data user Ajax  
Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user  
Route::get('/import', [UserController::class, 'import']); // ajax form upload excel  
Route::post('/import_ajax', [UserController::class, 'import_ajax']); // ajax import excel  
Route::get('/export_excel', [UserController::class, 'export_excel']); // export excel  
});  
});
```





No	User ID	Level ID	Username	Nama	Password
1	1	1	admin	admin	\$2y\$12\$RtKPkDab2hCwqaKIno.xeQqgm0N7fdxQ8uD798dD7QYaPQgAKnO
2	47	1	dosen	baboyo	\$2y\$12\$CYPFaKiz0w86Un9OmjP5meNfYpDf/phl8TIDn3Vn12ygraZ33H8Pe
3	48	1	bebyyf	bebi findia	\$2y\$12\$UN3up7aA3fjdHyxoc/EDQ./QX2b.HZd8Dydvplg3/CH/Qag\$39Rl6u
4	49	1	dani	nur wahid ramdhani	\$2y\$12\$LylylMvAlCAf0w1Ev6ZXyOu5DhczVpB0Xgayn3ytrOVLZ1g/f5.j6
5	2	2	manager	Manager	\$2y\$12\$0.MYLgQuv0nkZD6HtCfa7enNXb6e8D64LOjCXkwL.3NHX48YRVcuC
6	8	2	manager_dua	Manager 2	\$2y\$12\$NzyjAWeyjmFciVTkTYeq9uZirAn.KeGCCPpLP.GEdLR61EtjGjbt2u
7	9	2	manager_tiga	Manager 3	\$2y\$12\$7DqLlsgnAYPrmQK0oJ0m..X6cQFAYVJUG9tTkeoYDkhHkMAEHxui
8	11	2	manager22	Manager Dua Dua	\$2y\$12\$CviAh1vavuf4iHaWYlKq9O1F8t0V4vMgUjoLlzyyPX0BDti2kXI.
9	16	2	manager33	Manager Tiga Tiga	\$2y\$12\$hfui1SwNc9jZrwkijko/vceQUc4MbEDFzHkq5b2pWjcQeKbj1YIV.
10	22	2	manager56	Manager55	\$2y\$12\$z9DjopdyIYK/HLWC.IVF6OsQO01gg2Voh105agLH4Yu9MUH2DefGC
11	29	2	manager12	Manager11	\$2y\$12\$/rVvZX58hp15BFVZ9GESy.Qs6CIYXwsHzEudUnCN88/Utxb1EIVS

Tabel m\_level

LevelController.php

```
public function export_excel(): never
{
    // ambil data barang yang akan di export
    $level = LevelModel::select('level_id', 'level_kode', 'level_nama')->orderBy('level_id')->get();

    // load library excel
    // Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
    $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
    $sheet = $spreadsheet->getActiveSheet(); // ambil yang active

    $sheet->setCellValue('A1', 'No');
    $sheet->setCellValue('B1', 'Level id');
    $sheet->setCellValue('C1', 'Level kode');
    $sheet->setCellValue('D1', 'Level nama');

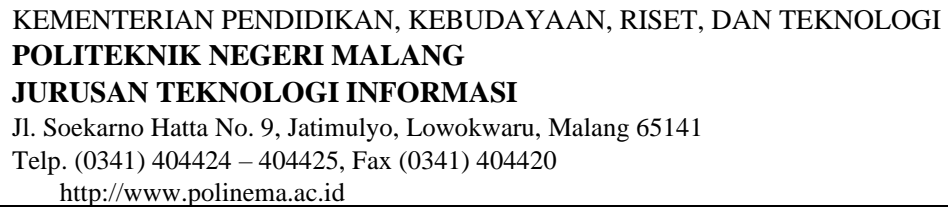
    $sheet->getStyle('A1:D1')->getFont()->setBold(true); // bold header

    // Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel
    $no = 1;
    $baris = 2;
    foreach ($level as $key => $value) {
        $sheet->setCellValue('A' . $baris, $no);
        $sheet->setCellValue('B' . $baris, $value->level_id);
        $sheet->setCellValue('C' . $baris, $value->level_kode);
        $sheet->setCellValue('D' . $baris, $value->level_nama);
        $baris++;
        $no++;
    }

    // Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom
    foreach (range('A', 'D') as $columnID) {
        $sheet->getColumnDimension($columnID)->setAutoSize(true); // set auto size kolom
    }

    // Bagian akhir proses export excel adalah kita set nama sheet, dan proses untuk dapat di download oleh pengguna
    $sheet->setTitle('Data Level User'); // set title sheet
}
```





Level/index.blade.php

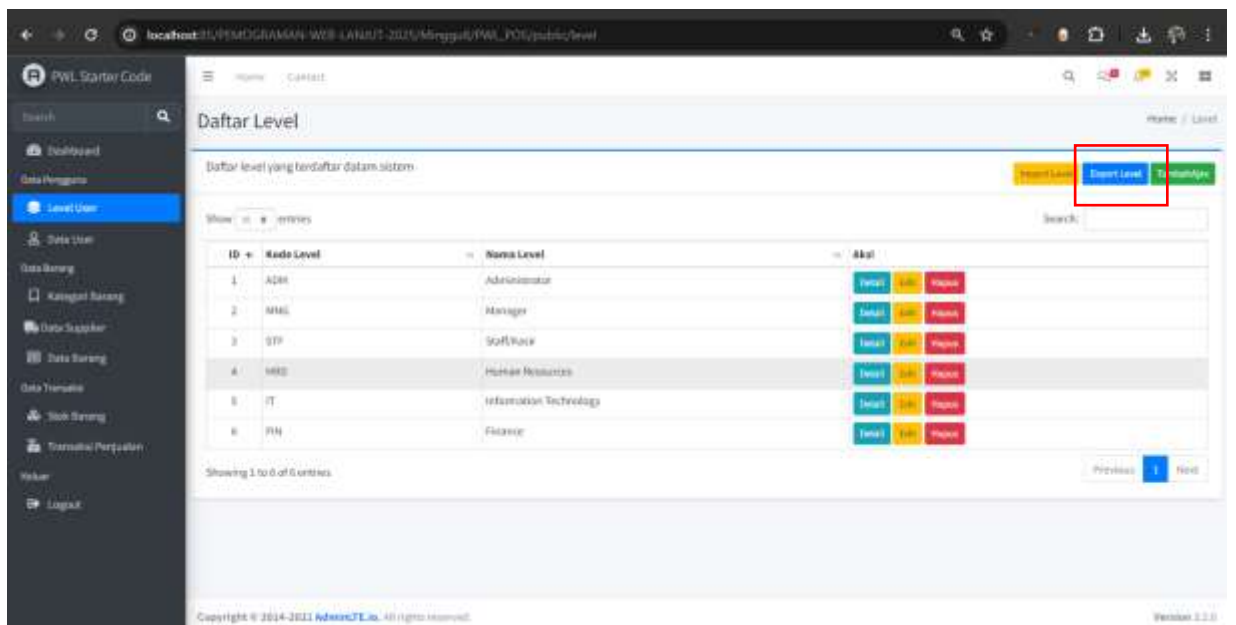
```

1  'layouts.template')
2
3  'content')
4  class="card card-outline card-primary">
5  div class="card-header">
6      <th class="card-title">{{ $page->title }}</th>
7      <div class="card-tools">
8          <button onclick="modalAction('{{ url(path: '/level/import') }})" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Level</button>
9          <a href="{{ url(path: '/level/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1"><div class="fa fa-file-excel"></div> Export Level</a>
10         <button onclick="modalAction('{{ url(path: '/level/create_ajax') }})" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahJarak</button>
11     </div>

```

Route Level

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {
    Route::group(['prefix' => 'level'], function (): void {
        Route::get('/', [LevelController::class, 'index']);
        Route::post('/list', [LevelController::class, 'list']);
        Route::get('/create', [LevelController::class, 'create']);
        Route::get('/create_ajax', [LevelController::class, 'create_ajax']);
        Route::post('/ajax', [LevelController::class, 'store_ajax']);
        Route::post('/', [LevelController::class, 'store']);
        Route::get('/{id}', [LevelController::class, 'show']);
        Route::get('/{id}/edit', [LevelController::class, 'edit']);
        Route::get('/{id}/edit_ajax', [LevelController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [LevelController::class, 'update_ajax']);
        Route::get('/{id}/show_ajax', [LevelController::class, 'show_ajax']);
        Route::delete('/{id}', [LevelController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [LevelController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [LevelController::class, 'delete_ajax']);
        Route::get('/import', [LevelController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [LevelController::class, 'import_ajax']); // ajax-import excel
        Route::get('/export_excel', [LevelController::class, 'export_excel']); // export excel
    });
});
```





No	A	B	C	D	E
1	No	Level id	Level kode	Level nama	
2	1	1	ADM	Administrator	
3	2	2	MNG	Manager	
4	3	3	STF	Staff/Kasir	
5	4	4	HRD	Human Resources	
6	5	5	IT	Information Technology	
7	6	6	FIN	Finance	
8					

## Tabel m\_supplier

### SupplierController.php

```
public function export_excel(): never
{
    // ambil data barang yang akan di export
    $supplier = SupplierModel::select('supplier_id', 'supplier_kode', 'supplier_nama', 'supplier_alamat')->orderBy('supplier_id')->get();

    // load library excel
    // Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
    $spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet();
    $sheet = $spreadsheet->getActiveSheet(); // ambil yang active

    $sheet->setCellValue('A1', 'No');
    $sheet->setCellValue('B1', 'Supplier id');
    $sheet->setCellValue('C1', 'Supplier kode');
    $sheet->setCellValue('D1', 'Supplier nama');
    $sheet->setCellValue('E1', 'Supplier alamat');

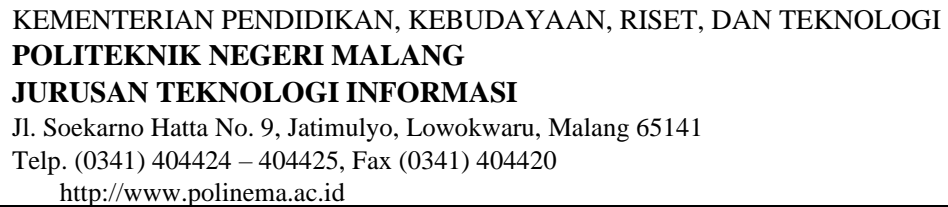
    $sheet->getStyle('A1:E1')->getFont()->setBold(true); // bold header

    // Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel
    $no = 1;
    $baris = 2;
    foreach ($supplier as $key => $value) {
        $sheet->setCellValue('A' . $baris, $no);
        $sheet->setCellValue('B' . $baris, $value->supplier_id);
        $sheet->setCellValue('C' . $baris, $value->supplier_kode);
        $sheet->setCellValue('D' . $baris, $value->supplier_nama);
        $sheet->setCellValue('E' . $baris, $value->supplier_alamat);
        $baris++;
        $no++;
    }

    // Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom
    foreach (range('A', 'E') as $columnID) {
        $sheet->getColumnDimension($columnID)->setAutoSize(true); // set auto size kolom
    }
}
```

### Supplier/index.blade.php

```
Minggu > PwL_POS > resources > views > supplier > index.blade.php > {{ $page->title }} </div>
1 <div class="card card-outline card-primary">
2 <div class="card-header">
3 <h3 class="card-title">{{ $page->title }} </h3>
4 <div class="card-tools">
5 <button onclick="modalAction('{{ url(path: '/supplier/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Supplier </button>
6 <a href="{{ url(path: '/supplier/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1">Export Supplier </a>
7 <button onclick="modalAction('{{ url(path: '/supplier/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahAjax </button>
8 </div>
9 </div>
```



```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {
    Route::group(['prefix' => 'supplier'], function (): void {
        Route::get('/', [SupplierController::class, 'index']);
        Route::post('/list', [SupplierController::class, 'list']);
        Route::get('/create', [SupplierController::class, 'create']);
        Route::post('/', [SupplierController::class, 'store']);
        Route::get('/create_ajax', [SupplierController::class, 'create_ajax']);
        Route::post('/ajax', [SupplierController::class, 'store_ajax']);
        Route::get('/{id}', [SupplierController::class, 'show']);
        Route::get('/{id}/edit', [SupplierController::class, 'edit']);
        Route::put('/{id}', [SupplierController::class, 'update']);
        Route::get('/{id}/edit_ajax', [SupplierController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [SupplierController::class, 'update_ajax']);
        Route::delete('/{id}', [SupplierController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [SupplierController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [SupplierController::class, 'delete_ajax']);
        Route::get('/{id}/show_ajax', [SupplierController::class, 'show_ajax'])->name('supplier.show_ajax');
        Route::get('/import', [SupplierController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [SupplierController::class, 'import_ajax']); // ajax import excel
        Route::get('/export_excel', [SupplierController::class, 'export_excel']); // export excel
    });
});
```

The screenshot displays a web application for 'PWL Starter Code'. The main content area is titled 'Daftar Supplier' (Supplier List). It features a table with 10 entries of suppliers. The table columns are: ID, Kode Supplier, Nama Supplier, Alamat Supplier, and Aksi. The 'Aksi' column contains three buttons: 'Detail', 'Edit', and 'Hapus'. The 'Edit' button for the first entry (ID 1, Kode Supplier SUP001) is highlighted with a red box. The interface also includes a sidebar with navigation links like 'Dashboard', 'Data Pengguna', 'User User', 'Data User', 'Data Barang', 'Kategori Barang', 'Data Supplier', 'Data Barang', 'Data Transaksi', 'Stok Barang', and 'Transaksi Pengiriman'. The top navigation bar shows 'Home' and 'Supplier' links. The bottom of the page indicates 'Showing 1 to 10 of 10 entries' and has 'Previous' and 'Next' buttons.

ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SUP001	PT. Sumber Berkah	Jl. Merdeka No. 123, Jakarta	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
2	SUP002	CV. Maju Jaya	Jl. Sudirman No. 45, Bandung	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
3	SUP003	UD. Sukses Makmur	Jl. Diponegoro No. 78, Surabaya	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
4	SUP004	Toko Grosir Sejahtera	Jl. Ahmad Yani No. 56, Yogyakarta	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
5	SUP005	PT. Cahaya Abadi	Jl. Gajah Mada No. 89, Semarang	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
6	SUP006	PT. Global Sukses	Jl. Rengas No. 101, Medan	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
7	SUP007	CV. Harapan Baru	Jl. Pramuka No. 12, Malang	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
8	SUP008	UD. Sejahtera Abadi	Jl. Kemerdekaan No. 34, Balikpapan	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
9	SUP009	Toko Mitra Jaya	Jl. Pahlawan No. 22, Sukakarta	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
10	SUP010	PT. Lintas Sejahtera	Jl. Sudirman No. 10, Makassar	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>



A1				No	
	A	B	C	D	E
1	No	Supplier id	Supplier kode	Supplier nama	Supplier alamat
2	1	1	SUP001	PT. Sumber Berkah	Jl. Merdeka No. 123, Jakarta
3	2	2	SUP002	CV. Maju Jaya	Jl. Sudirman No. 45, Bandung
4	3	3	SUP003	UD. Sukses Makmur	Jl. Diponegoro No. 78, Surabaya
5	4	4	SUP004	Toko Grosir Sejahtera	Jl. Ahmad Yani No. 56, Yogyakarta
6	5	5	SUP005	PT. Cahaya Abadi	Jl. Gajah Mada No. 89, Semarang
7	6	6	SUP006	PT. Global Sentosa	Jl. Raya No. 101, Medan
8	7	7	SUP007	CV. Harapan Baru	Jl. Pramuka No. 12, Malang
9	8	8	SUP008	UD. Sejahtera Abadi	Jl. Kemerdekaan No. 34, Bali
10	9	9	SUP009	Toko Mitra Jaya	Jl. Pahlawan No. 22, Surakarta
11	10	10	SUP010	PT. Lintas Sukses	Jl. Sudirman No. 10, Makassar
12					

2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
3. Submit kode untuk impementasi prakktikum 2 pada repository github kalian.

### C. Export PDF di Laravel

Fitur **export ke PDF** pada Laravel sangat berguna dalam situasi di mana Kita perlu menghasilkan dokumen yang terstruktur, terformat dengan baik, dan mudah dibagikan. Dokumen PDF (Portable Document Format) adalah salah satu format yang paling sering digunakan untuk laporan, faktur, tiket, dan berbagai dokumen resmi lainnya karena stabilitasnya dan kemampuan untuk mempertahankan tata letak yang konsisten di berbagai perangkat.

Untuk mengimplementasikan export ke PDF di Laravel, salah satu paket yang paling populer adalah **dompdf**. Dengan menggunakan paket **dompdf**, Kita dapat dengan mudah mengubah tampilan HTML menjadi PDF yang dapat disesuaikan sesuai kebutuhan. Fitur ini sangat bermanfaat dalam berbagai konteks, seperti pembuatan faktur, laporan, sertifikat, dan dokumen-dokumen penting lainnya.

#### Praktikum 3 – Implementasi Export PDF di Laravel dengan **dompdf**

Kita akan menerapkan export data ke file pdf pada project Laravel dengan menggunakan library **dompdf**. Langkah-langkah yang kita kerjakan sebagai berikut:

1. Kita lakukan proses instalasi library dompdf terlebih dahulu dengan mengetikkan perintah pada terminal/CMD

```
composer require barryvdh/laravel-dompdf
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS E:\laragon\www\PEMOGRAMAN-WEB-LANJUT-2025\Minggu8\PWL_POS> composer require barryvdh/laravel-dompdf
./composer.json has been updated
Running composer update barryvdh/laravel-dompdf
Loading composer repositories with package information
Updating dependencies
Lock file operations: 6 installs, 0 updates, 0 removals
- Locking barryvdh/laravel-dompdf (v3.1.1)
- Locking dompdf/dompdf (v3.1.0)
- Locking dompdf/php-font-lib (1.0.1)
- Locking dompdf/php-svg-lib (1.0.0)
- Locking masterminds/html5 (2.9.0)
- Locking sabberworm/php-css-parser (v8.8.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 6 installs, 0 updates, 0 removals
- Downloading masterminds/html5 (2.9.0)
- Downloading sabberworm/php-css-parser (v8.8.0)
- Downloading dompdf/php-svg-lib (1.0.0)
- Downloading dompdf/php-font-lib (1.0.1)
- Downloading dompdf/dompdf (v3.1.0)
- Downloading barryvdh/laravel-dompdf (v3.1.1)
- Installing masterminds/html5 (2.9.0): Extracting archive
```

2. Setelah proses instalasi `dompdf` berhasil, selanjutnya Kita tambahkan kode berikut untuk menambahkan tombol export ke pdf pada `barang/index.blade.php`

```
<a href="{{ url('/barang/export_pdf') }}" class="btn btn-warning"><i class="fa fa-file-pdf"></i> Export Barang</a>
```

```
youits.template')
ntant')
ss="card card-outline card-primary">
  class="card-header">
<h3 class="card-title">{{ $page->title }}</h3>
<div class="card-tools">
  <button onclick="modalAction('{{ url(path: '/barang/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Barang</button>
  <a href="{{ url(path: '/barang/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1"><i class="fa fa-file-excel"></i> Export Barang Excel</a>
  <a href="{{ url(path: '/barang/export_pdf') }}" class="btn btn-danger btn-sm py-1 px-2 mt-1"><i class="fa fa-file-pdf"></i> Export Barang (pdf)</a>
  <button onclick="modalAction('{{ url(path: '/barang/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahAjax</button>
```

3. Setelah itu tinggal kita perbaiki route/web.php untuk proses export pdf

```
Route::get('/barang/import',[BarangController::class,'import']); // ajax form upload excel
Route::post('/barang/import_ajax',[BarangController::class,'import_ajax']); // ajax import excel
Route::get('/barang/export_excel',[BarangController::class,'export_excel']); // export excel
Route::get('/barang/export_pdf',[BarangController::class,'export_pdf']); // export pdf
```

```
Route::post('/import_ajax', [BarangController::class, 'import_ajax']); // ajax import excel
Route::get('/export_excel', [BarangController::class, 'export_excel']); // export excel
Route::get('/export_pdf', [BarangController::class, 'export_pdf']); // export pdf
```

4. Selanjutnya, kita buat fungsi `export_pdf()` pada `BarangController.php`





```
public function export_pdf()
{
    $barang = BarangModel::select('kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual')
        ->orderBy('kategori_id')
        ->orderBy('barang_kode')
        ->with('kategori')
        ->get();

    // use Barryvdh\DomPDF\Facade\Pdf;
    $pdf = Pdf::loadView('barang.export_pdf', ['barang' => $barang]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

    return $pdf->stream('Data Barang '.date('Y-m-d H:i:s').'.pdf');
}
```

```
public function export_pdf(): Response
{
    $barang = BarangModel::select('kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual')
        ->orderBy('kategori_id')
        ->orderBy('barang_kode')
        ->with('kategori')
        ->get();

    // use Barryvdh\DomPDF\Facade\Pdf;
    $pdf = Pdf::loadView('barang.export_pdf', ['barang' => $barang]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

    return $pdf->stream('Data Barang '.date(format: 'Y-m-d H:i:s') . '.pdf');
}
```

5. Selanjutnya, kita buat view untuk dijadikan pdf dari layout html. File bisa kita buat dengan nama `barang/export_pdf.blade.php`

#### INFO

Perlu diingat, pada `export_pdf`, kita gunakan style CSS secara manual, dan tidak menggunakan framework CSS seperti bootstrap. Karena library dompdf tidak support semua fitur styling yang ada di framework CSS.

6. Selanjutnya kita buat view untuk me-generate html untuk tampilan pdf yang akan kita sajikan. View berada di `barang/export_pdf.blade.php`





```
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
  <style>
body{
  font-family: "Times New Roman", Times, serif;
margin: 6px 20px 5px 20px;      line-height: 15px;
  }
table
{
width:100%;
border-collapse: collapse;
}
td, th {
padding: 4px 3px;
}
th{
text-align: left;
}
.d-block{
display: block;
}
img.image{
width: auto;
height: 80px;
width: 150px;
height: 150px;
}
.text-right {
text-align: right;
}
}
```



```
.text-center {
text-align: center;
}
.p-1{
padding: 5px 1px 5px 1px;
}
.font-10{
font-size: 10pt;
}
.font-11{
font-size: 11pt;
}
.font-12{
font-size: 12pt;
}
.font-13{
font-size: 13pt;
}
.border-bottom-header{
border-bottom: 1px solid;
}
.border-all, .border-all th, .border-all td{
border: 1px solid;
}
</style>
</head>
<body>
<table class="border-bottom-header">
<tr>
<td width="15%" class="text-center"></td>
<td width="85%">
<span class="text-center d-block font-11 font-bold mb-1">KEMENTERIAN
PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI</span>
<span class="text-center d-block font-13 font-bold mb-1">POLITEKNIK NEGERI
MALANG</span>
<span class="text-center d-block font-10">Jl. Soekarno-Hatta No. 9 Malang
65141</span>
<span class="text-center d-block font-10">Telepon (0341) 404424 Pes. 101105,
0341-404420, Fax. (0341) 404420</span>
<span class="text-center d-block font-10">Laman: www.polinema.ac.id</span>
</td>
</tr>
</table>

<h3 class="text-center">LAPORAN DATA BARANG</h4>
<table class="border-all">
<thead>
<tr>
<th class="text-center">No</th>
<th>Kode Barang</th>
<th>Nama Barang</th>
<th class="text-right">Harga Beli</th>
<th class="text-right">Harga Jual</th>
<th>Kategori</th>
</tr>
</thead>
<tbody>
@foreach($barang as $b)
<tr>
<td class="text-center">{{ $loop->iteration }}</td>
```



```
<td>{{ $b->barang_kode }}</td>
<td>{{ $b->barang_nama }}</td>
<td class="text-right">{{ number_format($b->harga_beli, 0, ',', '.') }}</td>
<td class="text-right">{{ number_format($b->harga_jual, 0, ',', '.') }}</td>
<td>{{ $b->kategori->kategori_nama }}</td>
</tr>
```



```
@endforeach
</tbody>
</table>
</body>
</html>
```

```
Minggu8 > PWL_POS > resources > views > barang > export_pdf.blade.php > html > head > style > .p-1
1 <html>
2
3 <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5   <style>
6     body {
7       font-family: "Times New Roman", Times, serif;
8       margin: 6px 20px 5px 20px;
9       line-height: 15px;
10    }
11
12    table {
13      width: 100%;
14      border-collapse: collapse;
15    }
16    td,
17    th {
18      padding: 4px 3px;
19    }
20    th {
21      text-align: left;
22    }
23    .d-block {
24      display: block;
25    }
26    img.image {
27      width: auto;
28      height: 80px;
29      max-width: 150px;
30      max-height: 150px;
31    }
32    .text-right {
33      text-align: right;
34    }
35    .text-center {
36      text-align: center;
37    }
38    .p-1 {
39      padding: 5px 1px 5px 1px;
40    }
```

7. Selanjutnya, Kita coba untuk melakukan proses download export pdf. Amati dan pelajari....!!!



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Daftar Barang

Daftar barang yang terdaftar dalam sistem

Filter:

Show:

No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori Barang	Aksi
1	BRG001	Laptop ASUS ROG	15000000	18000000	Elektronik	Detail Edit Hapus
2	BRG002	Samsung Galaxy S23	12000000	14000000	Elektronik	Detail Edit Hapus
3	BRG003	Jaket Hoodie Pria	150000	200000	Pakaian & Mode	Detail Edit Hapus
4	BRG004	Ayam Sabana	1200000	1500000	Makanan & Minuman	Detail Edit Hapus
5	BRG005	Kopi Bubuk Arabika	50000	75000	Makanan & Minuman	Detail Edit Hapus
6	BRG006	Mie Instan Goreng	2500	3500	Makanan & Minuman	Detail Edit Hapus
7	BRG007	Sabun Cuci Piring 1L	15000	20000	Kebutuhan Rumah Tangga	Detail Edit Hapus
8	BRG008	Sapu Lantai Kayu	25000	35000	Kebutuhan Rumah Tangga	Detail Edit Hapus
9	BRG009	Sepeda Gunung Polygon	3500000	4000000	Sport & Outdoor	Detail Edit Hapus
10	BRG010	Matras Yoga Anti Slip	100000	150000	Sport & Outdoor	Detail Edit Hapus

export\_pdf

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Laman: www.polinema.ac.id

**LAPORAN DATA BARANG**

No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori
1	BRG001	Laptop ASUS ROG	15.000.000	18.000.000	Elektronik
2	BRG002	Samsung Galaxy S23	12.000.000	14.000.000	Elektronik
3	BRG-003	Telur Omega (10 butir)	22.000	25.000	Elektronik
4	BRG003	Jaket Hoodie Pria	150.000	200.000	Pakaian & Mode
5	SNK-003	Sari Roti	11.500	12.000	Pakaian & Mode
6	AYG004	Ayam Sabana	1.200.000	1.500.000	Makanan & Minuman
7	BRG005	Kopi Bubuk Arabika	50.000	75.000	Makanan & Minuman
8	BRG006	Mie Instan Goreng	2.500	3.500	Makanan & Minuman
9	MND-003	Shampo Pantene	17.500	18.500	Makanan & Minuman
10	BAY-003	Baju Bayi 3th	89.000	92.500	Kebutuhan Rumah Tangga
11	BRG007	Sabun Cuci Piring 1L	15.000	20.000	Kebutuhan Rumah Tangga
12	BRG008	Sapu Lantai Kayu	25.000	35.000	Kebutuhan Rumah Tangga
13	BRG009	Sepeda Gunung Polygon	3.500.000	4.000.000	Sport & Outdoor
14	BRG010	Matras Yoga Anti Slip	100.000	150.000	Sport & Outdoor
15	MNM-003	Cleo 600	3.750	4.300	Sport & Outdoor

### Tugas 3 – Implementasi Export PDF pada Laravel :

1. Silahkan implementasikan export pdf pada project kalian masing-masing untuk semua menu



## Tabel m-Level

### LevelController.php

```
0 references | 0 overrides
public function export_pdf(): Response
{
    $level = LevelModel::select('level_id', 'level_kode', 'level_nama')->orderBy('level_id')->get();

    // use Barryvdh\DomPDF\Facade\Pdf;
    $pdf = Pdf::loadView('level.export_pdf', ['level' => $level]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

    return $pdf->stream('Data Level ' . date(format: 'Y-m-d H:i:s') . '.pdf');
}
```

### Level/index.blade.php

```
<button onclick="modalAction('{{ url(path: '/level/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Level</button>
<a href="{{ url(path: '/level/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1"><i class="fa fa-fileexcel"></i> Export Level Excel</a>
<a href="{{ url(path: '/level/export_pdf') }}" class="btn btn-danger btn-sm py-1 px-2 mt-1"><i class="fa fa-filepdf"></i> Export Level (pdf)</a>
<button onclick="modalAction('{{ url(path: '/level/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahAjax</button>
```

### Level/export\_pdf.blade.php

```
Minggu8 > PWL_POS > resources > views > level > export_pdf.blade.php > html > body > table.border-all > thead > tr > th
1 <html>
2
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <style>
6     body {
7         font-family: "Times New Roman", Times, serif;
8         margin: 6px 20px 5px 20px;
9         line-height: 15px;
10    }
11
12    table {
13        width: 100%;
14        border-collapse: collapse;
15    }
16
17    td,
18    th {
19        padding: 4px 3px;
20    }
21
22    th {
23        text-align: left;
24    }
25
26    .d-block {
27        display: block;
28    }
29
30    img.image {
31        width: auto;
32        height: 80px;
33        max-width: 150px;
34        max-height: 150px;
35    }
36
37    .text-right {
38        text-align: right;
39    }
40
```





## Route Level

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {  
    Route::group(['prefix' => 'level'], function (): void {  
        Route::get('/', [LevelController::class, 'index']);  
        Route::post('/list', [LevelController::class, 'list']);  
        Route::get('/create', [LevelController::class, 'create']);  
        Route::get('/create_ajax', [LevelController::class, 'create_ajax']);  
        Route::post('/ajax', [LevelController::class, 'store_ajax']);  
        Route::post('/', [LevelController::class, 'store']);  
        Route::get('/{id}', [LevelController::class, 'show']);  
        Route::get('/{id}/edit', [LevelController::class, 'edit']);  
        Route::get('/{id}/edit_ajax', [LevelController::class, 'edit_ajax']);  
        Route::put('/{id}/update_ajax', [LevelController::class, 'update_ajax']);  
        Route::get('/{id}/show_ajax', [LevelController::class, 'show_ajax']);  
        Route::delete('/{id}', [LevelController::class, 'destroy']);  
        Route::get('/{id}/delete_ajax', [LevelController::class, 'confirm_ajax']);  
        Route::delete('/{id}/delete_ajax', [LevelController::class, 'delete_ajax']);  
        Route::get('/import', [LevelController::class, 'import']); // ajax form upload excel  
        Route::post('/import_ajax', [LevelController::class, 'import_ajax']); // ajax import excel  
        Route::get('/export_excel', [LevelController::class, 'export_excel']); // export excel  
        Route::get('/export_pdf', [LevelController::class, 'export_pdf']); // export pdf  
    });  
});
```

Daftar Level

Daftar level yang terdaftar dalam sistem

Show 6 entries

ID	Nama Level	Nama Level	Aksi
1	ADM	Administrator	Detail Edit Hapus
2	MNG	Manager	Detail Edit Hapus
3	STF	Staff/Karyawan	Detail Edit Hapus
4	HRD	Human Resources	Detail Edit Hapus
5	IT	Information Technology	Detail Edit Hapus
6	FIN	Finance	Detail Edit Hapus

Showing 1 to 6 of 6 entries

Previous 1 Next

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No	Level ID	Kode Level	Nama Level
1	1	ADM	Administrator
2	2	MNG	Manager
3	3	STF	Staff Kasir
4	4	HRD	Human Resources
5	5	IT	Information Technology
6	6	FIN	Finance

## Tabel m\_kategori

### KategoriController.php

```
0 references | 0 overrides
public function export_pdf(): Response
{
    $kategori = KategoriModel::select('kategori_id', 'kategori_kode', 'kategori_nama')->orderBy('kategori_id')->get();

    // use Barryvdh\DomPDF\Facade\Pdf;
    $pdf = Pdf::loadView('kategori.export_pdf', ['kategori' => $kategori]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

    return $pdf->stream('Data Kategori ' . date(format: 'Y-m-d H:i:s') . '.pdf');
}
```

### Kategori/index.blade.php

```
<button onclick="modelAction('{{ url(path: '/kategori/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Kategori</button>
<a href="{{ url(path: '/kategori/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1"><i class="fa fa-file-excel"></i> Export Kategori Excel</a>
<a href="{{ url(path: '/kategori/export_pdf') }}" class="btn btn-danger btn-sm py-1 px-2 mt-1"><i class="fa fa-file-pdf"></i> Export Kategori (pdf)</a>
<button onclick="modelAction('{{ url(path: '/kategori/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">Tambah Ajax</button>
```



### Kategori/export\_pdf.blade.php

```
Minggu8 > PWL_POS > resources > views > kategori > export_pdf.blade.php > html > body > table.border-all
1  <html>
2
3  <head>
4      <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5      <style>
6          body {
7              font-family: "Times New Roman", Times, serif;
8              margin: 6px 20px 5px 20px;
9              line-height: 15px;
10         }
11
12         table {
13             width: 100%;
14             border-collapse: collapse;
15         }
16
17         td,
18         th {
19             padding: 4px 3px;
20         }
21
22         th {
23             text-align: left;
24         }
25
26         .d-block {
27             display: block;
28         }
29
30         img.image {
31             width: auto;
32             height: 80px;
33             max-width: 150px;
34             max-height: 150px;
35         }
36
37         .text-right {
38             text-align: right;
39         }
```



## Route Kategori

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {  
    Route::group(['prefix' => 'kategori', function (): void {  
        Route::get('/', [KategoriController::class, 'index']);  
        Route::post('/list', [KategoriController::class, 'list']);  
        Route::get('/create', [KategoriController::class, 'create']);  
        Route::post('/', [KategoriController::class, 'store']);  
        Route::get('/create_ajax', [KategoriController::class, 'create_ajax']);  
        Route::post('/ajax', [KategoriController::class, 'store_ajax']);  
        Route::get('/{id}', [KategoriController::class, 'show']);  
        Route::get('/{id}/edit', [KategoriController::class, 'edit']);  
        Route::put('/{id}', [KategoriController::class, 'update']);  
        Route::get('/{id}/edit_ajax', [KategoriController::class, 'edit_ajax']);  
        Route::put('/{id}/update_ajax', [KategoriController::class, 'update_ajax']);  
        Route::get('/{id}/delete_ajax', [KategoriController::class, 'confirm_ajax']);  
        Route::delete('/{id}/delete_ajax', [KategoriController::class, 'delete_ajax']);  
        Route::get('/{id}/show_ajax', [KategoriController::class, 'show_ajax']);  
        Route::delete('/{id}', [KategoriController::class, 'destroy']);  
        Route::get('/import', [KategoriController::class, 'import']); // ajax form upload excel  
        Route::post('/import_ajax', [KategoriController::class, 'import_ajax']); // ajax import excel  
        Route::get('/export_excel', [KategoriController::class, 'export_excel']); // export excel  
        Route::get('/export_pdf', [KategoriController::class, 'export_pdf']); // export pdf  
    });  
});
```

Daftar Kategori

Daftar kategori yang terdaftar dalam sistem

Show: 10 entries

ID	Kode Kategori	Nama Kategori	Aksi
1	ELK001	Elektronik	Detail 1000 Hapus
2	PM002	Pakaian & Mode	Detail 1000 Hapus
3	MH003	Makanan & Minuman	Detail 1000 Hapus
4	KST004	Kebutuhan Rumah Tangga	Detail 1000 Hapus
5	SP005	Sport & Outdoor	Detail 1000 Hapus
6	BK006	Buku & Alat Tulis	Detail 1000 Hapus
7	TR007	Travel & Liburan	Detail 1000 Hapus
8	KSR008	Kesehatan & Perawatan	Detail 1000 Hapus
9	FN009	Furniture & Dekorasi	Detail 1000 Hapus
10	HT010	Hobi & Hewan	Detail 1000 Hapus

Showing 1 to 10 of 10 entries

Prosesus Read



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<http://www.polinema.ac.id>

No	ID	Kode Kategori	Nama Kategori
1	1	ELK001	Elektronik
2	2	PMS002	Pakaian & Mode
3	3	MKN003	Makanan & Minuman
4	4	KBT004	Kebunihan Rumah Tangga
5	5	SPT005	Sport & Outdoor
6	6	BK001	Buku & Alat Tulis
7	7	TRV002	Travel & Liburan
8	8	KBR003	Kecantikan & Peralatan
9	9	FNB004	Furniture & Dekorasi
10	10	HTH005	Hobi & Kerajinan

## Tabel m\_user

### UserController.php

```
0 references | 0 overrides
public function export_pdf(): Response
{
    $user = UserModel::select('user_id', 'level_id', 'username', 'nama', 'password')->orderBy('level_id')->with('level')->get();

    $pdf = Pdf::loadView('user.export_pdf', ['user' => $user]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

    return $pdf->stream('Data User ' . date(format: 'Y-m-d H:i:s') . '.pdf');
}
```

### User/index.blade.php

```
<button onclick="modalAction('{{ url(path: '/user/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import User</button>
<a href="{{ url(path: '/user/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1"><i class="fa fa-fileexcel"></i> Export User Excel</a>
<a href="{{ url(path: '/user/export_pdf') }}" class="btn btn-danger btn-sm py-1 px-2 mt-1"><i class="fa fa-filepdf"></i> Export User (pdf)</a>
<button onclick="modalAction('{{ url(path: 'user/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">TambahAjax</button>
div>
```





User/export\_pdf.blade.php

```
Minggu8 > PWL_POS > resources > views > user > export_pdf.blade.php > html > body > table.border-all > thead > tr > th
```

```
1 <html>
2
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <style>
6     body {
7         font-family: "Times New Roman", Times, serif;
8         margin: 6px 20px 5px 20px;
9         line-height: 15px;
10    }
11
12    table {
13        width: 100%;
14        border-collapse: collapse;
15    }
16
17    td,
18    th {
19        padding: 4px 3px;
20    }
21
22    th {
23        text-align: left;
24    }
25
26    .d-block {
27        display: block;
28    }
29
30    img.image {
31        width: auto;
32        height: 80px;
33        max-width: 150px;
34        max-height: 150px;
35    }
36
37    .text-right {
38        text-align: right;
39    }
```

Route User

```
Route::middleware(['authorize:ADM,MWG,STF,HRD,IT,FIN'])->group(function (): void {
    Route::middleware(['auth'])->group(function (): void { // artinya semua route di dalam group ini harus login dulu
        Route::get('/', [WelcomeController::class, 'index']);
        Route::group(['prefix' => 'user'], function (): void {
            Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
            Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
            Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
            Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
            Route::get('/create_ajax', [UserController::class, 'create_ajax']); // Menampilkan halaman form tambah user Ajax
            Route::post('/ajax', [UserController::class, 'store_ajax']); // Menyimpan data user baru Ajax
            Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user
            Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
            Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user
            Route::get('/{id}/show_ajax', [UserController::class, 'show_ajax']); // Menampilkan detail user menggunakan AJAX
            Route::get('/{id}/edit_ajax', [UserController::class, 'edit_ajax']); // Menampilkan halaman form edit user Ajax
            Route::put('/{id}/update_ajax', [UserController::class, 'update_ajax']); // Menyimpan perubahan data user Ajax
            Route::get('/{id}/delete_ajax', [UserController::class, 'confirm_ajax']); // Untuk tampilkan form confirm delete user Ajax
            Route::delete('/{id}/delete_ajax', [UserController::class, 'delete_ajax']); // Untuk hapus data user Ajax
            Route::get('/import', [UserController::class, 'import']); // ajax form upload excel
            Route::post('/import_ajax', [UserController::class, 'import_ajax']); // ajax import excel
            Route::get('/export_excel', [UserController::class, 'export_excel']); // export excel
            Route::get('/export_pdf', [UserController::class, 'export_pdf']); // export pdf
        });
    });
});
```



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localhost:8080/PEMOGEAMAN-WEB-LANJUT-2023/Minggu6/PWL\_PO/pubs/see

PWL Starter Code

Daftar User

Daftar user yang terdaftar dalam sistem:

Filter: Semua

Level Pengguna

10 records

ID	Username	Nama	Level Pengguna	Aksi
1	admin	admin	Administrator	Detail Edit Hapus
2	manager	Manager	Manager	Detail Edit Hapus
3	staff	Staff/Kasir	Staff/Kasir	Detail Edit Hapus
4	shabrina	nina	Human Resources	Detail Edit Hapus
5	sarah	sara	Information Technology	Detail Edit Hapus
6	salimah	salma	Finance	Detail Edit Hapus
7	manager_dua	Manager 2	Manager	Detail Edit Hapus
8	manager_tiga	Manager 3	Manager	Detail Edit Hapus
9	manager22	Manager Dua Dua	Manager	Detail Edit Hapus
10	manager33	Manager Tiga Tiga	Manager	Detail Edit Hapus

localhost:8080/PEMOGEAMAN-WEB-LANJUT-2023/Minggu6/PWL\_PO/pubs/see/report\_pdf

export\_pdf

1 / 1 100%

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Laman: www.polinema.ac.id

LAPORAN DATA USER

No	ID	Username	Nama	Level Pengguna
1	1	admin	admin	Administrator
2	47	desen	hubayu	Administrator
3	48	bebyyf	bebi findia	Administrator
4	49	dani	sur wahid ramdhani	Administrator
5	2	manager	Manager	Manager
6	8	manager_dua	Manager 2	Manager
7	9	manager_tiga	Manager 3	Manager
8	11	manager22	Manager Dua Dua	Manager
9	16	manager33	Manager Tiga Tiga	Manager
10	22	manager56	Manager55	Manager
11	29	manager32	Manager11	Manager
12	3	staff	Staff/Kasir	Staff/Kasir
13	4	shabrina	nina	Human Resources
14	5	sarah	sara	Information Technology
15	6	salimah	salma	Finance
16	50	marwah	wahid	Finance
17	51	halo	bebii	Finance



## Tabel m\_supplier

### SupplierController.php

```
0 references | 0 overrides
public function export_pdf(): Response
{
    $supplier = SupplierModel::select('supplier_id', 'supplier_kode', 'supplier_nama', 'supplier_alamat')->orderBy('supplier_id')->get();

    // use Barryvdh\DomPDF\Facade\Pdf;
    $pdf = Pdf::loadView('supplier.export_pdf', ['supplier' => $supplier]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

    return $pdf->stream('Data Supplier ' . date(format: 'Y-m-d H:i:s') . '.pdf');
}
}
```

### Supplier/index.blade.php

```
button onclick="modalAction('{{ url(path: '/supplier/import') }}')" class="btn btn-warning btn-sm py-1 px-2 mt-1">Import Supplier</button>
href="{{ url(path: '/supplier/export_excel') }}" class="btn btn-primary btn-sm py-1 px-2 mt-1" <i class="fa fa-file-excel"></i> Export Supplier Excel
href="{{ url(path: '/supplier/export_pdf') }}" class="btn btn-danger btn-sm py-1 px-2 mt-1" <i class="fa fa-file-pdf"></i> Export Supplier (pdf)</a>
button onclick="modalAction('{{ url(path: '/supplier/create_ajax') }}')" class="btn btn-success btn-sm py-1 px-2 mt-1">Tambah Ajax</button>
```

### Supplier/export\_pdf.blade.php

```
Minggu8 > PWL_POS > resources > views > supplier > export_pdf.blade.php > html > body > table.border-all > thead
1 <html>
2
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <style>
6     body {
7         font-family: "Times New Roman", Times, serif;
8         margin: 6px 20px 5px 20px;
9         line-height: 15px;
10    }
11
12    table {
13        width: 100%;
14        border-collapse: collapse;
15    }
16
17    td,
18    th {
19        padding: 4px 3px;
20    }
21
22    th {
23        text-align: left;
24    }
25
26    .d-block {
27        display: block;
28    }
29
30    img.image {
31        width: auto;
32        height: 80px;
33        max-width: 150px;
34        max-height: 150px;
35    }
36
37    .text-right {
38        text-align: right;
39    }
```



## Route Supplier

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function () { void {
    Route::group(['prefix' => 'supplier'], function () { void {
        Route::get('/', [SupplierController::class, 'index']);
        Route::post('/list', [SupplierController::class, 'list']);
        Route::get('/create', [SupplierController::class, 'create']);
        Route::post('/', [SupplierController::class, 'store']);
        Route::get('/create_ajax', [SupplierController::class, 'create_ajax']);
        Route::post('/ajax', [SupplierController::class, 'store_ajax']);
        Route::get('/{id}', [SupplierController::class, 'show']);
        Route::get('/{id}/edit', [SupplierController::class, 'edit']);
        Route::put('/{id}', [SupplierController::class, 'update']);
        Route::get('/{id}/edit_ajax', [SupplierController::class, 'edit_ajax']);
        Route::put('/{id}/update_ajax', [SupplierController::class, 'update_ajax']);
        Route::delete('/{id}', [SupplierController::class, 'destroy']);
        Route::get('/{id}/delete_ajax', [SupplierController::class, 'confirm_ajax']);
        Route::delete('/{id}/delete_ajax', [SupplierController::class, 'delete_ajax']);
        Route::get('/{id}/show_ajax', [SupplierController::class, 'show_ajax']->name('supplier.show_ajax'));
        Route::get('/import', [SupplierController::class, 'import']); // ajax form upload excel
        Route::post('/import_ajax', [SupplierController::class, 'import_ajax']); // ajax import excel
        Route::get('/export_excel', [SupplierController::class, 'export_excel']); // export excel
        Route::get('/export_pdf', [SupplierController::class, 'export_pdf']); // export pdf
    });
});
```

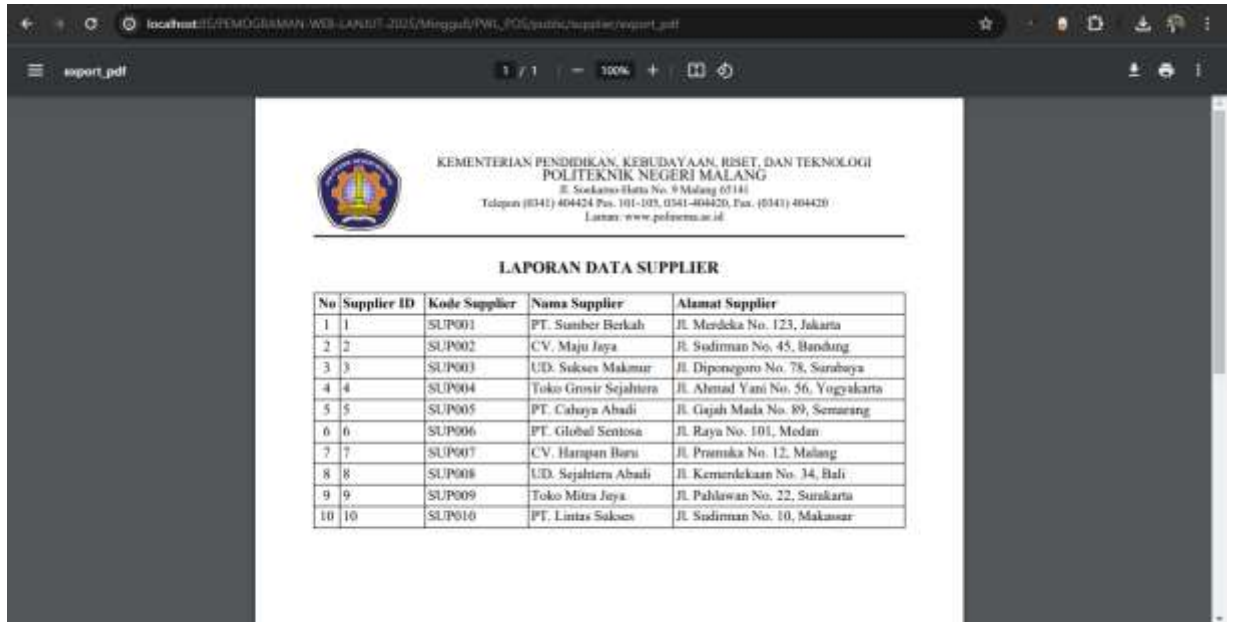
Daftar Supplier yang terdaftar dalam sistem

ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SUP001	PT Sumber Berkah	Jl. Merdeka No. 123, Jakarta	Detail Edit Hapus
2	SUP002	CV. Maju Jaya	Jl. Sudirman No. 45, Bandung	Detail Edit Hapus
3	SUP003	UD. Sukses Makmur	Jl. Diponegoro No. 78, Surabaya	Detail Edit Hapus
4	SUP004	Ruko Griya Segitama	Jl. Ahmad Yani No. 90, Yogyakarta	Detail Edit Hapus
5	SUP005	PT Cahaya Abadi	Jl. Gajah Mada No. 88, Semarang	Detail Edit Hapus
6	SUP006	PT Global Sentosa	Jl. Raya No. 101, Medan	Detail Edit Hapus
7	SUP007	CV. Manunggal Bero	Jl. Pahlawan No. 12, Malang	Detail Edit Hapus
8	SUP008	UD. Segitama Rianti	Jl. Kemerdekaan No. 34, Bali	Detail Edit Hapus
9	SUP009	Ruko Mitra Jaya	Jl. Mahadewa No. 22, Sukakarta	Detail Edit Hapus
10	SUP010	PT. Lintas Sukses	Jl. Sudirman No. 10, Makassar	Detail Edit Hapus

Showing 1 to 10 of 10 entries



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2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
3. Submit kode untuk implementasi export pdf pada repository github kalian.

#### Tugas 4 – Implementasi Upload File Gambar :

1. Silahkan implementasikan fitur **upload file** untuk mengubah **foto profile** di project web kalian
2. Jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan

UserController.php





```
1 reference | 0 overrides
public function profile_page(): Factory|View
{
    $user = auth()->user();

    $breadcrumb = (object) [
        'title' => 'User Profile',
        'list' => ['Home', 'Profile']
    ];

    $page = (object) [
        'title' => 'User Profile'
    ];

    $activeMenu = 'profile';

    return view('user.profile', data: ['user' => $user, 'breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
}
1 reference | 0 overrides
public function update_picture(Request $request): mixed|RedirectResponse
{
    // Validasi file
    $request->validate([
        'user_profile_picture' => 'required|image|mimes:jpeg,png,jpg|max:2048',
    ]);

    try {
        $user = auth()->user();

        if (!$user) {
            return redirect(to: '/login')->with('error', 'Silahkan login terlebih dahulu');
        }

        $userId = $user->user_id;

        $userModel = UserModel::find($userId);

        if (!$userModel) {
```

### UserModel.php

```
103 references | 0 implementations
class UserModel extends Authenticatable
{
    use HasFactory;

    0 references
    protected $table = 'm_user';
    0 references
    protected $primaryKey = 'user_id';
    0 references
    protected $fillable = ['username', 'password', 'nama', 'level_id', 'user_profile_picture'];
    0 references
    protected $hidden = ['password']; // jangan di tampilkan saat select
    0 references
    protected $casts = ['password' => 'hashed']; // casting password agar otomatis di hash

    /**
     * Relasi ke tabel level
     */
}
```

### Migration m\_user



```
Minggu8 > PWL_POS > database > migrations > 2025_04_13_045605_update_m_user_table.php > class > down
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  return new class extends Migration
8  {
9      /**
10       * Run the migrations.
11       */
12     public function up(): void
13     {
14         Schema::table('m_user', function (Blueprint $table): void {
15             $table->string('user_profile_picture')->nullable()->after('password');
16         });
17     }
18
19     /**
20      * Reverse the migrations.
21      */
22     public function down(): void
23     {
24         Schema::table('m_user', function (Blueprint $table): void {
25             $table->dropColumn('user_profile_picture');
26         });
27     }
28 };
29
```

Sidebar.blade.php

```
<li class="nav-item fixed-bottom mx-2">
    <a href="{{ url(path: '/user/profile') }}" class="nav-link {{ ($activeMenu == 'profile')? 'active' : '' }}">
        <i class="nav-icon fas fa-user-circle"></i>
        <p> User Profile</p>
    </a>
</li>
<li class="nav-header">Kolom</li>
```

Profile.blade.php



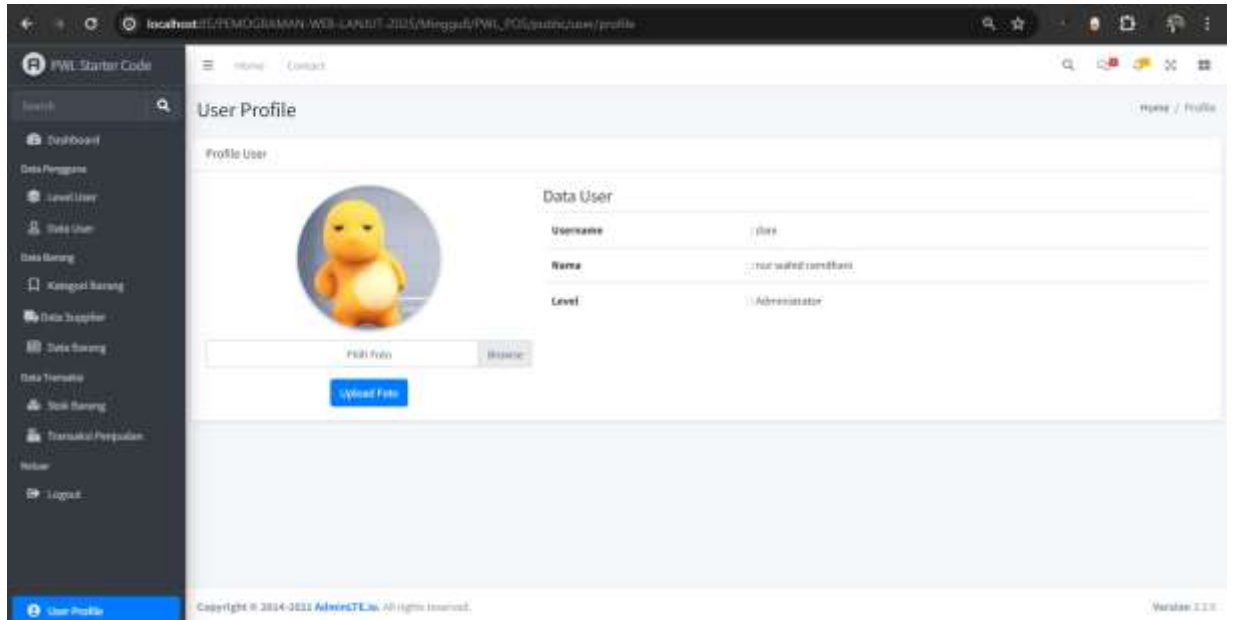
```
Minggu6 > PWL_P03 > resources > views > user > * profile.blade.php > ...
1 @extends('layouts.template')
2
3 @section('content')
4     @if (session(key: 'success'))
5         <div class="alert alert-success alert-dismissible fade show" role="alert">
6             {{ session(key: 'success') }}
7             <button type="button" class="close" data-dismiss="alert" aria-label="Close">
8                 <span aria-hidden="true">&times;</span>
9             </button>
10        </div>
11    @endif
12
13    @if (session(key: 'error'))
14        <div class="alert alert-danger alert-dismissible fade show" role="alert">
15            {{ session(key: 'error') }}
16            <button type="button" class="close" data-dismiss="alert" aria-label="Close">
17                <span aria-hidden="true">&times;</span>
18            </button>
19        </div>
20    @endif
21
22    <div class="card">
23        <div class="card-header">
24            <h3 class="card-title">Profile User</h3>
25        </div>
26        <div class="card-body">
27            <div class="row">
28                <div class="col-md-4 text-center">
29                    
33                <div class="col">
34                    <form action="{{ ( url(path: '/user/update_picture') }}" method="POST" enctype="multipart/form-data"
35                        class="mt-3">
36                        @csrf
37                        <div class="form-group">
38                            <div class="input-group">
39                                <div class="custom-file">
40                                    <input type="file" class="custom-file-input" id="user_profile_picture">
```

## Route

```
Route::middleware(['authorize:ADM,MNG,STF,HRD,IT,FIN'])->group(function (): void {
    Route::middleware(['auth'])->group(function (): void { // artinya semua route di dalam group ini harus login dulu
        Route::get('/', [WelcomeController::class, 'index']);
        Route::group(['prefix' => 'user'], function (): void {
            Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
            Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
            Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
            Route::post('/', [UserController::class, 'store']); // menyimpan data user baru
            Route::get('/create_ajax', [UserController::class, 'create_ajax']); // Menampilkan halaman form tambah user Ajax
            Route::post('/ajax', [UserController::class, 'store_ajax']); // Menyimpan data user baru Ajax
            Route::get('/{id}', [UserController::class, 'show']); // menampilkan detail user
            Route::get('/{id}/edit', [UserController::class, 'edit']); // menampilkan halaman form edit user
            Route::put('/{id}', [UserController::class, 'update']); // menyimpan perubahan data user
            Route::get('/{id}/show_ajax', [UserController::class, 'show_ajax']); // Menampilkan detail user menggunakan AJAX
            Route::get('/{id}/edit_ajax', [UserController::class, 'edit_ajax']); // Menampilkan halaman form edit user Ajax
            Route::put('/{id}/update_ajax', [UserController::class, 'update_ajax']); // Menyimpan perubahan data user Ajax
            Route::get('/{id}/delete_ajax', [UserController::class, 'confirm_ajax']); // Untuk tampilkan form confirm delete user Ajax
            Route::delete('/{id}/delete_ajax', [UserController::class, 'delete_ajax']); // Untuk hapus data user Ajax
            Route::delete('/{id}', [UserController::class, 'destroy']); // menghapus data user
            Route::get('/import', [UserController::class, 'import']); // ajax form upload excel
            Route::post('/import_ajax', [UserController::class, 'import_ajax']); // ajax import excel
            Route::get('/export_excel', [UserController::class, 'export_excel']); // export excel
            Route::get('/export_pdf', [UserController::class, 'export_pdf']); // export pdf
            Route::get('/profile', [UserController::class, 'profile_page']);
            Route::post('/update_picture', [UserController::class, 'update_picture']);
        });
    });
});
```



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3. Submit kode untuk impementasi export pdf pada repository github kalian.