

Laporan Pemrograman Web Lanjut

Jobsheet 8 : File Import dan Export ke PDF dan Excel pada Laravel

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SIB 2B

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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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
<input type="checkbox"/>	Edit Copy Delete	1	SKC	Skincare	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	PKN	Pakaian	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	ATK	Alat Tulis Kantor	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	AOR	Alat Olahraga	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	5	FNB	Food and Beverage	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	7	CML	Cemilan	2024-03-09 10:30:00	NULL
<input type="checkbox"/>	Edit Copy Delete	8	MNR	Minuman Ringan	2024-03-09 13:01:39	NULL

		barang_id	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	1	BNG001	Toner	150000	185000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	1	BNG002	Serum	250000	315000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	2	BNG003	Rok Plisket	50000	65000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	2	BNG004	Kemeja Bunga	65000	75000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	5	3	BNG005	Penggaris	2500	4000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	6	3	BNG006	Kalkulator	100000	115000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	7	4	BNG007	Matras Yoga	80000	120000	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	8	5	BNG008	Waffer Coklat	15000	18500	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	9	5	BNG009	Yogurt	10000	10500	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	10	5	BNG010	Kopi Susu	10000	15000	NULL	NULL

2. 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.

template_barang ☆ 📁 🔄 Menyimpan...					
File Edit Tampilan Sisipkan Format Data Alat ...					
↶ ↷ 🖨 📋 100% ▾ \$ % .0+ .00 123 Defaul... ▾ - 10 +					
fx					
A	B	C	D	E	
kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	
	1 SBK-003	Telur Omega (10 butir)	22000	25000	
	2 SNK-003	Sari Roti	11500	12500	
	3 MND-003	Shampo Pantene	17500	18500	
	4 BAY-003	Baju bayi 2th	89000	925000	
	5 MNM-003	cleo 600 ml	3750	4300	

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.

3. Selanjutnya kita modifikasi view pada barang/index.blade.php untuk bisa menambahkan tombol menambah form untuk upload untuk import data barang

```
Explorer (Ctrl+Shift+E) show_ajax.blade.php index.blade.php
Minggu 8 > 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('/barang/import') }}')" class="btn btn-
9 info">Import Barang</button>
10                 <a href="{{ url('/barang/create') }}" class="btn btn-primary">Tambah
11 Data</a>
12                 <button onclick="modalAction('{{ url('/barang/create_ajax') }}')" class="bt
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">
```

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

```
index.blade.php M import.blade.php X web.php M BarangController.php M BarangModel.php
Minggu 8 > PWL_POS > resources > views > barang > import.blade.php > form#form-import
1 <form action="{{ url('/barang/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 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('template_barang.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_barang" id="file_barang" class="form-control" required>
22                    <small id="error_file_barang" class="error-text form-text text-danger"></small>
23                </div>
```

5. Kemudian kita modifikasi route/web.php untuk mengakomodir proses upload file pada menu barang

```
Route::get('/{id}/show_ajax', [BarangController::class, 'show_ajax']);
Route::get('import', [BarangController::class, 'import']);
Route::post('import_ajax', [BarangController::class, 'import_ajax']); |
});
```

6. Untuk bisa membaca/menulis file excel, maka kita butuhkan library untuk membaca/menulis file excel. Jadi kita bisa memakai library phpooffice/phpspreadsheet. Kita ketikkan perintah di terminal/CMD


```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 8\PWL_POS> composer require phpooffice/phpspreadsheet
./composer.json has been updated
Running composer update phpooffice/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 phpooffice/phpspreadsheet (4.1.0)
```

7. Selanjutnya kita modifikasi file BarangController.php untuk memproses data

```
indexblade.php M importblade.php U web.php M BarangController.php M X BarangModel.php
Minggu 8 > PWL_POS > app > Http > Controllers > BarangController.php > BarangController > import_ajax
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 Yajra\DataTables\Facades\DataTables;
11 use PhpOffice\PhpSpreadsheet\IOFactory;
12 use Illuminate\Support\Facades\Validator;
13
14 class BarangController extends Controller
15 {
16     public function index()
17     {
18         $breadcrumb = (object) [
19             'title' => 'Daftar Barang',
20             'list' => ['Home', 'Barang']
21         ];
22
23         $page = (object) [
24             'title' => 'Daftar barang yang terdaftar dalam sistem'
25         ];
26
27         $activeMenu = 'barang';
28         $kategori = KategoriModel::all();
29
30         return view('barang.index', ['breadcrumb' => $breadcrumb, 'page' => $page, 'kategori' => $kategori, 'activeMenu' => $activeMenu]);
31     }
32     public function list(Request $request)
33     {
```

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

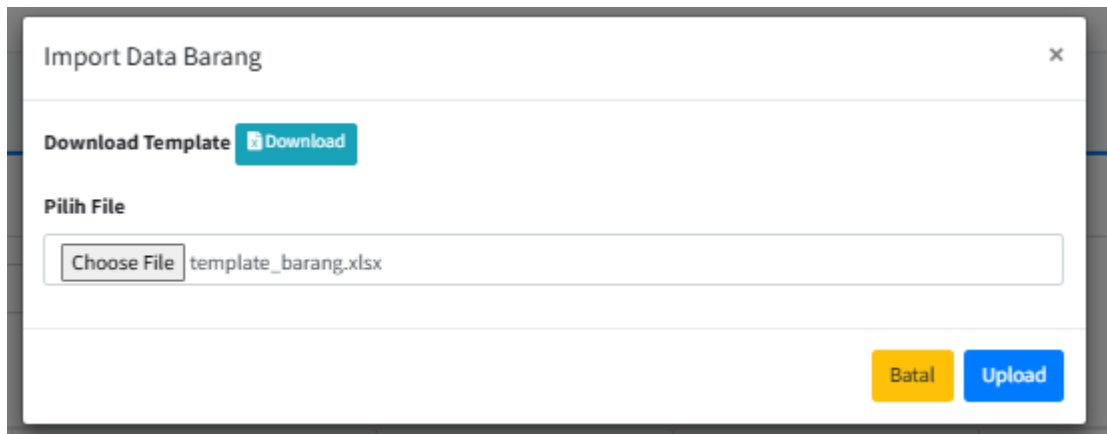
Import Data Barang

Download Template  Download

Pilih File No file chosen

Batal

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



10	BNG010	Kopi Susu	10000	15000	Food and Beverage	Detail	Edit	Hapus
14	SBK-003	Telur Omega (10 butir)	22000	25000	Skincare	Detail	Edit	Hapus
15	SNK-003	Sari Roti	11500	12500	Pakaian	Detail	Edit	Hapus
16	MND-003	Shampo Pantene	17500	18500	Alat Tulis Kantor	Detail	Edit	Hapus
17	BAY-003	Baju bayi 2th	89000	925000	Alat Olahraga	Detail	Edit	Hapus
18	MNM-003	cleo 600 ml	3750	4300	Food and Beverage	Detail	Edit	Hapus

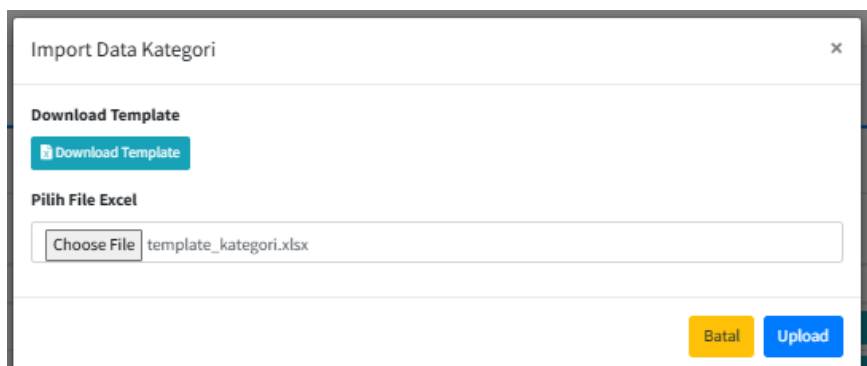
Showing 1 to 15 of 15 entries

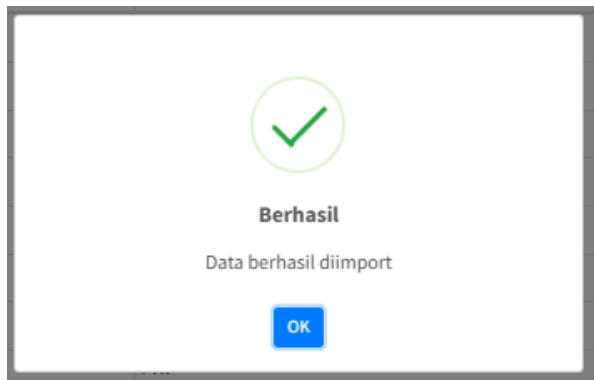
Activate Windows

Tugas 1 – Implementasi File Upload untuk Import Data:

1. Silahkan implementasikan praktikum 1 pada project kalian masing-masing untuk semua menu
2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
3. Submit kode untuk impementasi prakktikum 1 pada repository github kalian.

tabel kategori





7	MNR	Minuman Ringan	Detail	Edit	Hapus
8	FTR	Furniture	Detail	Edit	Hapus
9	BB	Baju Bayi	Detail	Edit	Hapus

```
Minggu 8 > PWL_POS > resources > views > kategori > import.blade.php > script
1  <form action="{{ url('/kategori/import_ajax') }}" method="POST" id="form-import-kategori" enctype="multipart/form-data">
2  @csrf
3  <div class="modal-dialog modal-lg" role="document">
4    <div class="modal-content">
5      <div class="modal-header">
6        <h5 class="modal-title">Import Data Kategori</h5>
7        <button type="button" class="close" data-dismiss="modal"><span>&times;</span></button>
8      </div>
9      <div class="modal-body">
10       <div class="form-group">
11         <label>Download Template</label><br>
12         <a href="{{ asset('template_kategori.xlsx') }}" class="btn btn-sm btn-info" download>
13           <i class="fa fa-file-excel"></i> Download Template
14         </a>
15       </div>
16       <div class="form-group">
17         <label>Pilih File Excel</label>
18         <input type="file" name="file_kategori" class="form-control" required>
19       </div>
20     </div>
21     <div class="modal-footer">
22       <button class="btn btn-warning" data-dismiss="modal">Batal</button>
23       <button type="submit" class="btn btn-primary">Upload</button>
24     </div>
25   </div>
26 </div>
27 </form>
28 <script>
29   $("#form-import-kategori").on("submit", function(e) {
30     e.preventDefault();
31     let form = this;
32     let formData = new FormData(form);
33   });
```

```

Minggu 8 > PWL_POS > app > Http > Controllers > KategoriController.php > KategoriController > import_ajax
12 class KategoriController extends Controller
282 public function show_ajax(string $id)
291 }
292
293 public function import()
294 {
295     return view('kategori.import');
296 }
297
298 }
299
300 public function import_ajax(Request $request)
301 {
302     if ($request->ajax() || $request->wantsJson()) {
303         $rules = [
304             // validasi file harus xls atauxlsx, max 1MB
305             'file_kategori' => ['required', 'mimes:xlsx', 'max:1024']
306         ];
307
308         $validator = Validator::make($request->all(), $rules);
309         if ($validator->fails()) {
310             return response()->json([
311                 'status' => false,
312                 'message' => 'Validasi Gagal',
313                 'msgField' => $validator->errors()
314             ]);
315         }
316         $file = $request->file('file_kategori');
317
318         $reader = IOFactory::createReader('Xlsx');
319         $reader->setReadDataOnly(true);
320         $spreadsheet = $reader->load($file->getRealPath());
321         $sheet = $spreadsheet->getActiveSheet();
322
323         $data = $sheet->toArray(null, false, true, true);
324
325         $insert = [];
326         if (count($data) > 1) {

```

```

Route::get('import', [KategoriController::class, 'import']);
Route::post('import_ajax', [KategoriController::class, 'import_ajax']);

```

```

iv class="card-tools">
<button onclick="modalAction('{{ url('/kategori/import') }}')" class="btn btn-warning btn-sm" style="margin-top: 2px;">Import Kategori</button>
<a class="btn btn-sm btn-primary mt-1" href="{{ url('/kategori/create') }}">Tambah</a>

```

tabel level

Import Data Level

Download Template

Download Template

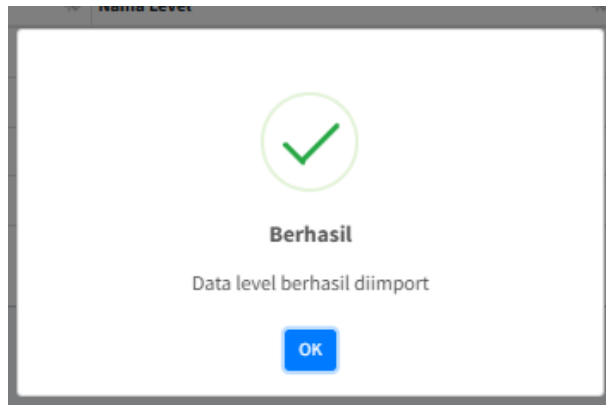
Pilih File

Choose File

template_level.xlsx

Batal

Upload



5	KSR	Kasir	Detail	Edit	Hapus
6	ADM 2	Admin 2	Detail	Edit	Hapus

Showing 1 to 6 of 6 entries

```
Minggu 8 > PWL_POS > resources > views > level > importblade.php > script > <function> > success
1  <form action="{{ url('/level/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2      @csrf
3      <div id="modal-master" class="modal-dialog modal-md" role="document">
4          <div class="modal-content">
5              <div class="modal-header">
6                  <h5 class="modal-title">Import Data Level</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><br>
14                     <a href="{{ asset('template_level.xlsx') }}" class="btn btn-info btn-sm" download>
15                         <i class="fa fa-file-excel"></i> Download Template
```

```
<button onclick="modalAction('{{ url('/level/import') }}')" class="btn btn-warning btn-sm" style="margin-top: 2px;">Import Level</button>
<a class="btn btn-sm btn-primary" href="{{ url('/level/create') }}">Tambah</a>
```

```
Route::get('import', [LevelController::class, 'import']);
Route::post('import_ajax', [LevelController::class, 'import_ajax']);
```

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

public function import_ajax(Request $request)
{
    if ($request->ajax() || $request->wantsJson()) {
        $rules = [
            'file_level' => ['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()
            ]);
        }
    }
}
```


tabel supplier

Import Data Supplier

Download Template

Download Template

Pilih File Excel

Choose File

template_supplier.xlsx

Batal

Upload

Berhasil

Data berhasil diimport

OK

5	SUP005	Supplier E	Jl Bunga Sakura No. 20	<div>DetailEditHapus</div>
6	SUP006	Supplier F	Jl Pahlawan No. 67	<div>DetailEditHapus</div>

Showing 1 to 6 of 6 entries

```
Minggu 8 > PWL_POS > resources > views > supplier > importblade.php > ...
1  <form action="{{ url('/supplier/import_ajax') }}" method="POST" id="form-import-supplier" enctype="multipart/form-data">
2  @csrf
3  <div class="modal-dialog modal-lg" role="document">
4      <div class="modal-content">
5          <div class="modal-header">
6              <h5 class="modal-title">Import Data Supplier</h5>
7              <button type="button" class="close" data-dismiss="modal"><span>&times;</span></button>
8          </div>
9          <div class="modal-body">
10             <div class="form-group">
11                 <label>Download Template</label><br>
12                 <a href="{{ asset('template_supplier.xlsx') }}" class="btn btn-sm btn-info" download>
13                     <i class="fa fa-file-excel"></i> Download Template
14                 </a>
15             </div>
```

```
Minggu 8 > PWL_POS > app > Http > Controllers > SupplierController.php > SupplierController > import_ajax
12  class SupplierController extends Controller
13  {
14      public function show_ajax($id)
15      {
16      }
17      public function import()
18      {
19          return view('supplier.import');
20      }
21      public function import_ajax(Request $request)
22      {
23          if ($request->ajax() || $request->wantsJson()) {
24              $rules = [
25                  'file_supplier' => ['required', 'mimes:xlsx', 'max:1024']
26              ];
27              $validator = Validator::make($request->all(), $rules);
```

```
Route::get('/{id}/show_ajax', [SupplierController::class, 'show_ajax'])->name('show_ajax');
Route::get('import', [SupplierController::class, 'import']);
Route::post('import_ajax', [SupplierController::class, 'import_ajax']);
```

```
<button onclick="modalAction('{{ url('/supplier/import') }}')" class="btn btn-warning btn-sm" style="margin-top: 2px;">Import Supplier</button>
```

Praktikum 2 - Export Data ke Excel :

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

```
<a href="{{ url('/barang/import') }}" class="btn btn-warning btn-sm" style="margin-top: 2px;">Import Supplier</a>
<a class="btn btn-sm btn-primary mt-1" href="{{ url('barang/create') }}">Tambah</a>
```

kita ubah dengan

```
<a href="{{ url('/barang/export_excel') }}" class="btn btn-primary"><i class="fa fa-file-excel"></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
3. Selanjutnya kita tambahkan fungsi export_excel() pada file BarangController.php

```
Route::get('export_excel', [BarangController::class, 'export_excel']);
```

4. Kita ambil data barang yang akan kita export ke excel (tentu dengan menyertakan relasi kategori barang)

```
public function export_excel()
{
    // 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

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

$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);
```

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

```

$no = 1;
$baris = 2;
foreach ($barang as $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);
    $baris++;
    $no++;
}

```

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

```

foreach (range('A', 'F') as $columnID) {
    $sheet->getColumnDimension($columnID)->setAutoSize(true);
}

```

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

```

$sheet->setTitle('Data Barang'); // Set title sheet

$writer = IOFactory::createWriter($spreadsheet, 'Xlsx');
$filename = 'Data Barang' . date('Y-m-d_H-i-s') . '.xlsx';

```

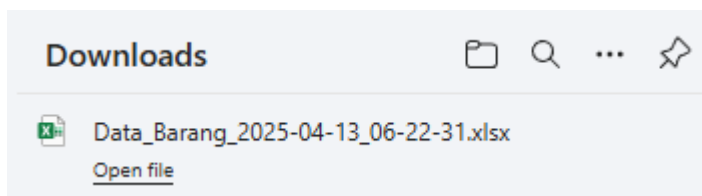
```

// Set header untuk download file
header('Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
header('Content-Disposition: attachment;filename="' . $filename . '"');
header('Cache-Control: max-age=0');
header('Cache-Control: max-age=1');
header('Expires: Mon, 26 Jul 1997 05:00:00 GMT');
header('Last-Modified: ' . gmdate('D, d M Y H:i:s') . ' GMT');
header('Cache-Control: cache, must-revalidate');
header('Pragma: public');

$writer->save('php://output');
exit;

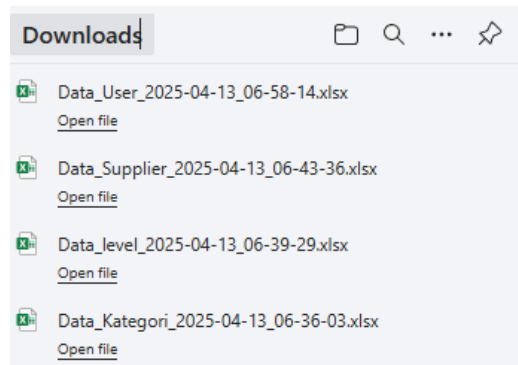
```

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



Tugas 2 - Implementasi File Export Excel:

1. Silahkan implementasikan praktikum 2 pada project kalian masing-masing untuk semua menu
2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
3. Submit kode untuk impementasi prakktikum 2 pada repository github kalian.



Tabel User

```
Route::get('export_excel', [UserController::class, 'export_excel']);
```

```
Minggu 8 > PWL_POS > app > Http > Controllers > UserController.php > UserController > export_excel
14 class UserController extends Controller
305 // Menampilkan form export user
306 public function export_excel()
307
308 // Ambil data user yang akan diekspor
309 $user = UserModel::select('username', 'nama', 'level_id', 'password')
310     ->orderBy('user_id')
311     ->with('level')
312     ->get();
313
314 // Load library PhpSpreadsheet
315 $spreadsheet = new Spreadsheet();
316 $sheet = $spreadsheet->getActiveSheet();
317
```

ID	Username	Nama	Level Pengguna	Password
1	Admin	Administrator		1 \$2y\$12\$b5AOa7/Lvs0Atqn3FoUQfugqCKcvIXwD0CD4dIb953JT3eF/luSCq
2	manager	Manager		2 \$2y\$12\$L0n3SRRVxqvrL8HkLi.4teLFAOvF1SiIfgzdC4GAWE9WLMsU9Y3oK
3	staff	Staff/Kasir		3 \$2y\$12\$v5365NjKLxaAjZrBLUBqH.yShSjbl81R.7rZ4vR5Acl.KFMAJl236
4	customer-1	Pelanggan Pertama		5 \$2y\$12\$VZBM8CerFzFW1eMgrH5CauVdJGZmrYpw09TPHgg6B3xjdWwO3Zmfu
5	manager_dua	Manager 2		2 \$2y\$12\$udbzy9sM8E2NICIQYTSI0u35MybgaKmkIq.bpD8LamjAFECBiGnRy
6	manager_tiga	Manager 3		2 \$2y\$12\$Yf.weiRnsYKqnkZRd0BjueNiJXZq1ikfDqwTKUKCBprky0JsU4X4S
7	manager22	Manager Dua Dua		2 \$2y\$12\$ZjoLdQMnxTcbQtaVIR53Eu0tW0wCzTvUye3SiXymy8j1TWUsMkZBC
8	manager33	Manager Tiga Tiga		2 \$2y\$12\$Y7B2SukZavR1xPLjQgYw.qTxECs9fm5o4NHltyh9UzX10suWxbRm
9	manager45	Manager45		2 \$2y\$12\$Sr46lhpXuAdZaZ5ueWzgxHO/fTOqeHI7u4BHPf5IdZPC7TzhyZat1i
10	manager44	Manager44		2 \$2y\$12\$J0QOIptmgS7KC0.PK6Si.z7OcuJ4MMKGq.BImVVBpRCd/ic4LV2G
11	manager56	Manager55		2 \$2y\$12\$KaqMG1va9hNIWek/HUGfOopBcomyLIDrZukPxniCskoNpmKYBZhC
12	manager12	Manager11		2 \$2y\$12\$CSFwFYv0pCbgl4ZrMauz4eBGEX6wG63u4zeMSJ0.OagqOXD7iftdy
13	Admin1	Dhynar		1 \$2y\$12\$qd4BJf9Zt7L8umfBB7BNQOG3ou1rOvA9qk8wbOZDi8DyyIfUWMMJS
14	Kasir	azarine		3 \$2y\$12\$YpFHJ4m/hYdeFk1HxxnSbuosuHMaVJrggJO1ZdHViy5VJySL3stz6
15	Staff1	DhynarAzarine1		3 \$2y\$12\$TzimSa493RkubsMALTcwouo3qHMUKNofFKZFXVuw0CRN2zeTVJg9e

Tabel Level

```
Route::get('export_excel', [LevelController::class, 'export_excel']);
```

```
Minggu 8 > PWL_POS > app > Http > Controllers > LevelController.php > LevelController > export_excel
12 class LevelController extends Controller
353 // Menampilkan form export level
354 public function export_excel()
355 {
356     // Ambil data level yang akan diekspor
357     $level = LevelModel::select('level_id', 'level_kode', 'level_nama')
358         ->orderBy('level_id')
359         ->get();
360
361     // Load library PhpSpreadsheet
362     $spreadsheet = new Spreadsheet();
363     $sheet = $spreadsheet->getActiveSheet();
364
365     // Set header kolom
366     $sheet->setCellValue('A1', 'No');
367     $sheet->setCellValue('B1', 'Kode Level');
368     $sheet->setCellValue('C1', 'Nama Level');
369 }
```

A	B	C
No	Kode Level	Nama Level
1	ADM	Administrator
2	MNG	Manager
3	STF	Staff/Kasir
4	CUS	Pelanggan
5	KSR	Kasir
6	ADM 2	Admin 2

Tabel Kategori

```
Route::get('export_excel', [KategoriController::class, 'export_excel']);
```

```
Minggu 8 > PWL_POS > app > Http > Controllers > KategoriController.php > KategoriController > export_excel
13 class KategoriController extends Controller
355 // Menampilkan form export kategori
356 public function export_excel()
357 {
358     // Ambil data kategori yang akan diekspor
359     $kategori = KategoriModel::select('kategori_id', 'kategori_kode', 'kategori_nama')
360         ->orderBy('kategori_id')
361         ->get();
362
363     // Load library PhpSpreadsheet
364     $spreadsheet = new Spreadsheet();
365     $sheet = $spreadsheet->getActiveSheet();
366
367     // Set header kolom
368     $sheet->setCellValue('A1', 'No');
369     $sheet->setCellValue('B1', 'Kode Kategori');
370 }
```

A	B	C
No	Kode Kategori	Nama Kategori
1	SKC	Skincare
2	PKN	Pakaian
3	ATK	Alat Tulis Kantor
4	AOR	Alat Olahraga
5	FNB	Food and Beverage
6	CML	Cemilan
7	MNR	Minuman Ringan
8	FTR	Furniture
9	BB	Baju Bayi

Tabel Supplier

```
Route::get('export_excel', [SupplierController::class, 'export_excel']);
```

```
Minggu 8 > PWL_POS > app > Http > Controllers > SupplierController.php > SupplierController > export_excel
13 class SupplierController extends Controller
344 // Menampilkan form export supplier
345 public function export_excel()
346 {
347     // Ambil data supplier yang akan diekspor
348     $supplier = SupplierModel::select('supplier_id', 'supplier_kode', 'supplier_nama', 'alamat_supplier')
349         ->orderBy('supplier_id')
350         ->get();
351
352     // Load library PhpSpreadsheet
353     $spreadsheet = new Spreadsheet();
354     $sheet = $spreadsheet->getActiveSheet();
355
356     // Set header kolom
```

A	B	C	D
No	Kode supplier	Nama supplier	Alamat supplier
1	SUP001	Supplier A	Jl.Raya No.123
2	SUP002	Supplier B	Jl.Bromo No.789
3	SUP003	Supplier C	Jl.Cokroaminoto No.34
4	SUP004	Supplier D	Jl.Soedirman No.56
5	SUP005	Supplier E	Jl Bunga Sakura No. 20
6	SUP006	Supplier F	Jl Pahlawan No. 67

Praktikum 3 - Implementasi Export PDF di Laravel dengan dompdf :

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

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 8\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)
```

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 btn-sm" <i class="fa fa-file-pdf"></i> Export File PDF Barang</a>
```

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

```
Route::get('export_pdf', [BarangController::class, 'export_pdf']);
```

- 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();

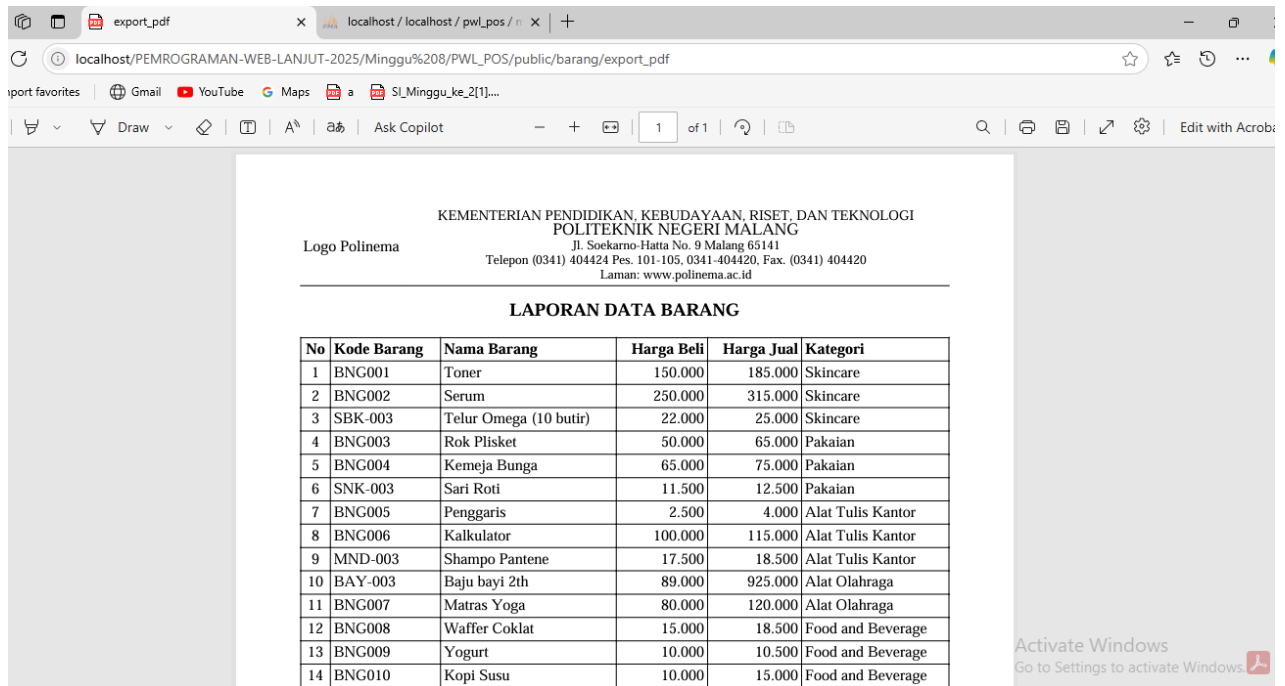
    // use Barryvdh\DomPDF\Facade\Pdf;
    $pdf = Pdf::loadView('barang.export_pdf', ['barang' => $barang]);
    $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
    $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
    $pdf->render();

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

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

```
Minggu 8 > PWL_POS > resources > views > barang > export_pdf.blade.php > html
1 <!DOCTYPE html>
2 <html lang="id">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <style>
7         body {
8             font-family: "Times New Roman", Times, serif;
9             margin: 6px 20px 5px 20px;
10            line-height: 15px;
11        }
12        table {
```

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



Tugas 3 – Implementasi Export PDF pada Laravel :

1. Silahkan implementasikan export pdf pada project kalian masing-masing untuk semua menu
2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
3. Submit kode untuk impementasi export pdf pada repository github kalian.

Tabel Level

```
<a href="{{ url('/level/export_excel') }}" class="btn btn-sm btn-primary mt-1"><i class="fa fa-file-excel"></i> Export File Excel Level</a>
<a href="{{ url('/level/export_pdf') }}" class="btn btn-warning btn-sm"><i class="fa fa-file-pdf"></i> Export File PDF Level</a>
```

```
Route::get('export_pdf', [LevelController::class, 'export_pdf']);
```

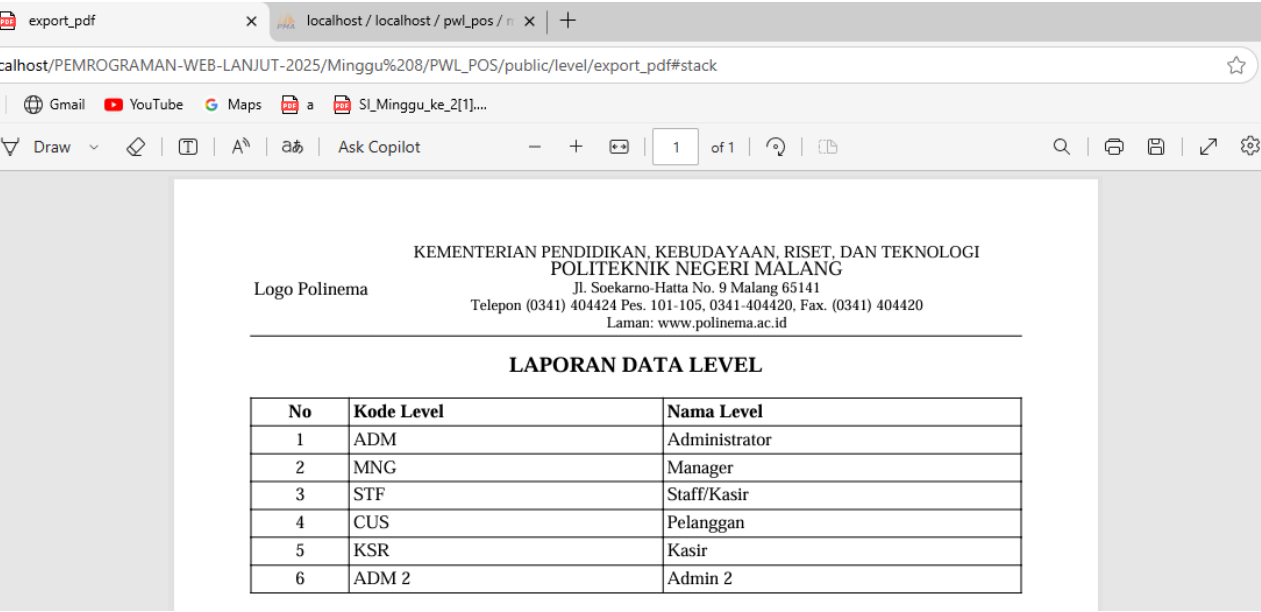
```
Minggu 8 > PWL_POS > resources > views > level > export_pdf.blade.php > html > body > table.border-all > tbody > tr > td
1 <!DOCTYPE html>
2 <html lang="id">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <style>
7     body {
8         font-family: "Times New Roman", Times, serif;
9         margin: 6px 20px 5px 20px;
10        line-height: 15px;
11    }
12    table {
13        width: 100%;
14        border-collapse: collapse;
15    }
```



```
public function export_pdf()
{
    $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('Y-m-d H:i:s').'.pdf');
}
```



Tabel User

```
<a href="{{ url('/user/export_excel') }}" class="btn btn-sm btn-primary mt-1"><i class="fa fa-file-excel"></i> Export File Excel User</a>
<a href="{{ url('/user/export_pdf') }}" class="btn btn-warning btn-sm"><i class="fa fa-file-pdf"></i> Export File PDF User</a>
```

```
Route::get('export_pdf', [UserController::class, 'export_pdf']);
```

```
Minggu 8 > PWL_POS > resources > views > user > export_pdf.blade.php > html > body > table.border-all > tbody > tr > td
1 <!DOCTYPE html>
2 <html lang="id">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <style>
7     body {
8         font-family: "Times New Roman", Times, serif;
9         margin: 6px 20px 5px 20px;
10        line-height: 15px;
11    }
12    table {
13        width: 100%;
14        border-collapse: collapse;
```

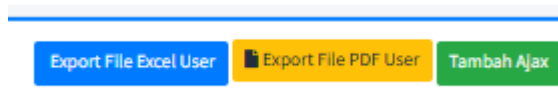
```

public function export_pdf()
{
    $user = UserModel::select('username','nama','level_id')
        ->orderBy('level_id')
        ->orderBy('user_id')
        ->with('level')
        ->get();

    // use Barryvdh\DomPDF\Facade\Pdf;
    $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('Y-m-d H:i:s').'.pdf');
}

```



export_pdf

localhost / localhost / pwl_pos / ...

localhost/PEMROGRAMAN-WEB-LANJUT-2025/Minggu%208/PWL_POS/public/user/export_pdf

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Laman: www.polinema.ac.id

LAPORAN DATA USER

No	Username	Nama	level_id
1	Admin	Administrator	Administrator
2	Admin1	Dhynar	Administrator
3	manager	Manager	Manager
4	manager_dua	Manager 2	Manager
5	manager_tiga	Manager 3	Manager
6	manager22	Manager Dua Dua	Manager
7	manager33	Manager Tiga Tiga	Manager
8	manager45	Manager45	Manager
9	manager44	Manager44	Manager
10	manager56	Manager55	Manager
11	manager12	Manager11	Manager
12	staff	Staff/Kasir	Staff/Kasir
13	Kasir	azarine	Staff/Kasir
14	Staff1	DhynarAzarine1	Staff/Kasir

Tabel Kategori

```

<a href="{{ url('/kategori/export_excel') }}" class="btn btn-sm btn-primary mt-1"><i class="fa fa-file-excel"></i> Export File Excel Kategori</a>
<a href="{{ url('/kategori/export_pdf') }}" class="btn btn-warning btn-sm"><i class="fa fa-file-pdf"></i> Export File PDF Kategori</a>

Route::get('export_pdf', [KategoriController::class, 'export_pdf']);

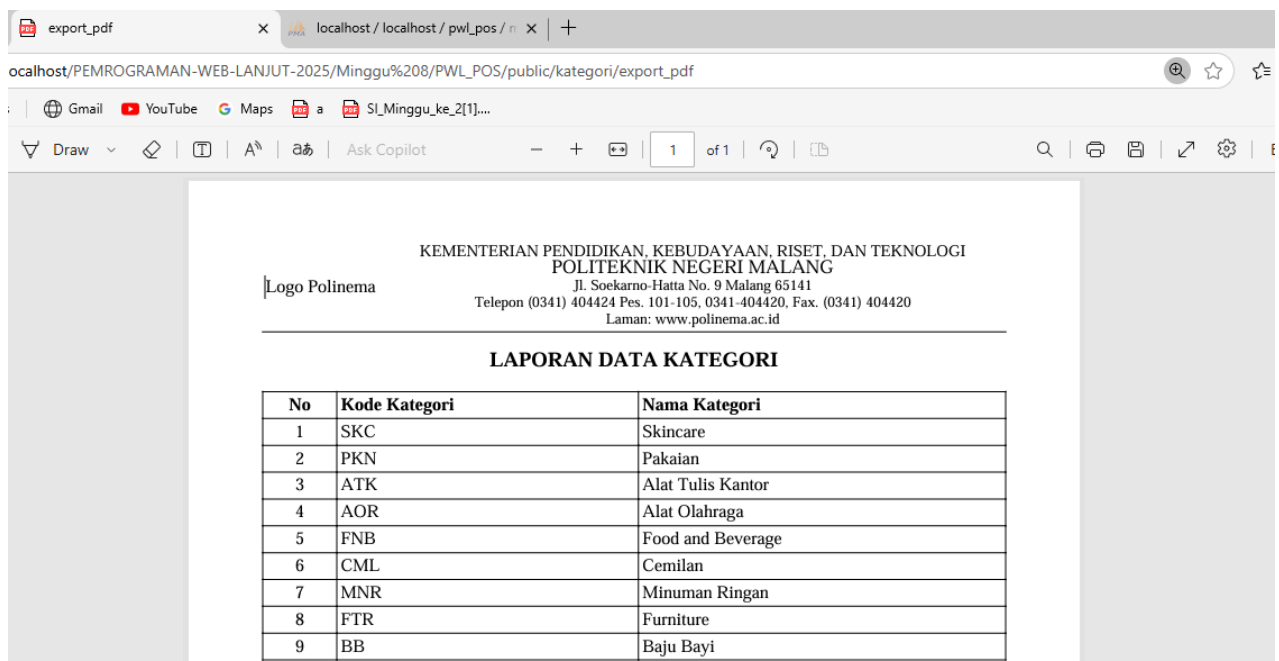
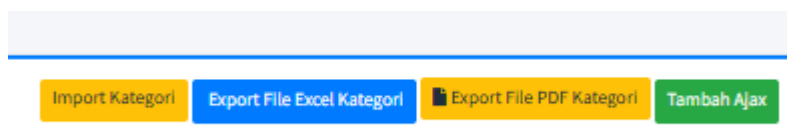
```

```
Minggu 8 > PWL_POS > resources > views > kategori > export_pdf.blade.php > html > body > table.border-bottom-header > tr > td
1 <!DOCTYPE html>
2 <html lang="id">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <style>
7 body {
8     font-family: "Times New Roman", Times, serif;
9     margin: 6px 20px 5px 20px;
10    line-height: 15px;
11 }
12 table {
13     width: 100%;
14     border-collapse: collapse;
```

```
public function export_pdf()
{
    $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('Y-m-d H:i:s').'.pdf');
```



Tabel Supplier

```
<a href="{{ url('/supplier/export_excel') }}" class="btn btn-sm btn-primary mt-1"><i class="fa fa-file-excel"></i> Export File Excel Supplier</a>
<a href="{{ url('/supplier/export_pdf') }}" class="btn btn-sm btn-primary mt-1"><i class="fa fa-file-pdf"></i> Export File PDF Supplier</a>

Route::get('export_pdf', [SupplierController::class, 'export_pdf']);
```

```
public function export_pdf()
{
    $supplier = SupplierModel::select('supplier_id','supplier_kode','alamat_supplier')
        ->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 $pdf->stream('Data supl$supplier '.date('Y-m-d H:i:s').'.pdf');
}
```

export_pdf

localhost/localhost/pwl_pos/ri x +

localhost/PEMROGRAMAN-WEB-LANJUT-2025/Minggu%208/PWL_POS/public/supplier/export_pdf

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Laman: www.polinema.ac.id

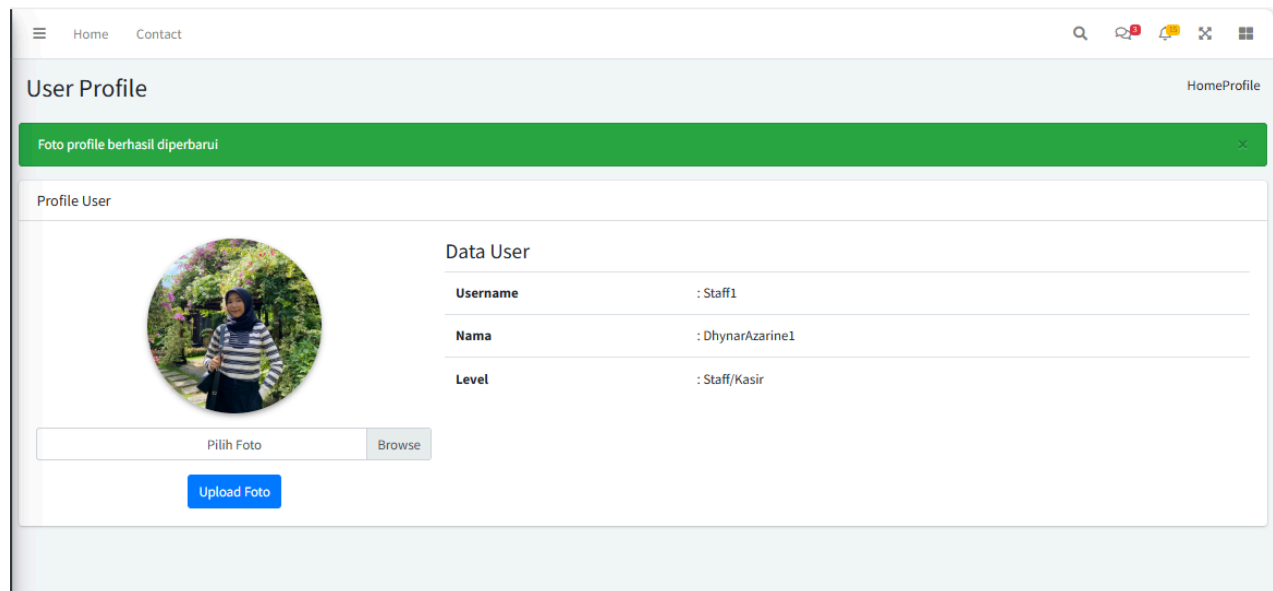
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LAPORAN DATA SUPPLIER

No	Kode Supplier	Nama Supplier	Alamat Supplier
1	SUP001		Jl.Raya No.123
2	SUP002		Jl.Bromo No.789
3	SUP003		Jl.Cokroaminoto No.34
4	SUP004		Jl.Soedirman No.56
5	SUP005		Jl Bunga Sakura No. 20
6	SUP006		Jl Pahlawan No. 67

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



langkah langkah

- menambahkan fielf pada tabel m_user

menggunakan perintah **php artisan make:migration add_user_profile_picture_to_m_user_table** dalam file migration

```
Minggu 8 > PWL_POS > database > migrations > 2025_04_13_082753_add_profile_picture_to_m_user_table.php > _
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      public function up():void
10     {
11         Schema::table('m_user', function (Blueprint $table) {
12             $table->string('user_profile_picture')->nullable()->after('password');
13         });
14     }
15
16     public function down(): void
17     {
18         Schema::table('m_user', function (Blueprint $table) {
19             $table->dropColumn('user_profile_picture');
20         });
21     }
22 };
```

lalu menjalankan **php artisan migrate**

- update usermodel

```
protected $fillable = ['level_id', 'username', 'nama', 'password', 'user_profile_picture'];
```

- membuat fungsi profile_page dan update picture

```
public function profile_page()
{
    $user = auth()->user();

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

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

    $activeMenu = 'profile';

    return view('user.profile', ['user' => $user, 'breadcrumb' => $breadcrumb, 'page' => $page, 'activeMenu' => $activeMenu]);
}

public function update_picture(Request $request)
{
    // Validasi file
    $request->validate([
        'user_profile_picture' => 'required|image|mimes:jpeg,png,jpg|max:5120',
    ]);

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

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

        $userId = $user->user_id;
```

- membuat profile.blade

```
Minggu 8 > PWL_POS > resources > views > user > profile.blade.php > script > <function>
1  @extends('layouts.template')
2
3  @section('content')
4  @if (session('success'))
5      <div class="alert alert-success alert-dismissible fade show" role="alert">
6          {{ session('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('error'))
14     <div class="alert alert-danger alert-dismissible fade show" role="alert">
15         {{ session('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                 <img src="{{ $user->user_profile_picture ? asset('storage/' . $user->user_profile_picture) : asset('img/default-profile.png') }}"
30                     class="img-circle elevation-2" alt="User Image" style="width: 100px; height: 100px; object-fit: cover;"
```

- menambahkan route

```
Route::get('/profile', [UserController::class, 'profile_page']);  
Route::post('/update_picture', [UserController::class, 'update_picture']);
```