

LAPORAN PRAKTIKUM

JOBSCHEET VIII: FILE IMPORT DAN EXPORT

MATA KULIAH PEMROGRAMAN WEB LANJUT

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JURUSAN TEKNOLOGI INFORMASI
PROGRAM STUDI D-IV SISTEM INFORMASI BISNIS
POLITEKNIK NEGERI MALANG

2025



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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
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	ELT	Elektronik	NULL	2025-03-28 15:37:30
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	PKN	Pakaian	NULL	2025-03-28 15:37:45
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	MKN	Makanan	NULL	2025-03-28 15:37:55
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	MNM	Minuman	NULL	2025-03-28 15:38:05
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	OBT	Obat-obatan	NULL	2025-03-28 15:38:16
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	SKC	Skincare	2025-03-15 14:59:45	2025-03-28 15:38:29

	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	ELT-001	Samsung Smart TV	3000000	3500000	NULL	2025-03-28 15:49:06
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	1	ELT-002	Air Conditioner Sharp	4000000	4200000	NULL	2025-03-28 15:50:42
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	1	ELT-003	Hair Dryer Dyson	4000000	4500000	NULL	2025-03-28 15:51:03
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	2	PKN-001	Candidan Rajut	120000	125000	NULL	2025-03-28 15:51:13
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	2	PKN-002	Jaket Polos	150000	165000	NULL	2025-03-28 15:51:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	2	PKN-003	Veal	400000	550000	NULL	2025-03-28 15:57:03
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	3	MKN-001	Sarden	15000	20000	NULL	2025-03-28 15:57:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	8	3	MKN-002	Selai Strawberry	15000	17000	NULL	2025-03-28 15:57:29
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	9	3	MKN-003	Mie Instan	3500	5000	NULL	2025-03-28 15:57:40
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	4	MNM-001	Air Mineral 1L	5000	8000	NULL	2025-03-28 15:57:51
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	4	MNM-002	Kopi Aren	12000	18000	NULL	2025-03-28 15:58:07
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	4	MNM-003	Jasmine Tea	15000	20000	NULL	2025-03-28 15:58:17
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13	5	OBT-001	Paracetamol 500mg	2500	5000	NULL	2025-03-28 15:58:28
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14	5	OBT-002	Vitamin C 1000mg	10000	15000	NULL	2025-03-28 15:58:39
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	5	OBT-003	Antiseptik Cair 100ml	18000	25000	NULL	2025-03-28 15:58:49
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	16	7	SKC-001	Azarine Sunscreen Calm My Acne 20g	22000	35000	2025-03-28 16:01:08	2025-03-28 16:01:08
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	17	7	SKC-002	Something CERAMIC SKIN Saviour Moisturizer Gel 25m...	188000	205000	2025-03-28 16:01:49	2025-03-28 16:01:49
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	18	7	SKC-003	Emina Water Bright Glow Gel	37000	45000	2025-03-28 16:03:24	2025-03-28 16:03:24

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.

A	B	C	D	E
1	kategori_id	barang_kode	barang_nama	harga_beli
2	1	ELT-004	Samsung Microwave Solo 20L	890000
3	2	PKN-004	Uniqlo Rayon Blus Skipper	230000
4	3	MKN-004	Super Bubur	7000
5	4	MNM-004	Energen Sachet Rasa Kurma	2500
6	5	OBT-004	Degirol Tablet Hisap 0,25mg	7000
7	7	SKC-004	Wardah Instaperfect Cushion	185000
8				200000
9				



Contoh kita ingin mengimport 6 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

```
Minggu8 > PWL_POS > resources > views > barang > importblade.php
1  <form action="{{ url(path: '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;
```



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](#) data barang

```
Minggu8 PWL_POS > resources > views > barang > import.blade.php
1  <form action="{{ url(path: '/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(path: '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>
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
33  <script>
34  $(document).ready(function() {
35    $('#form-import').validate([
36      rules: {
37        file_barang: {
38          required: true,
39          extension: "xlsx"
40        },
41      },
42      submitHandler: function(form) {
43        var formData = new FormData(form); // Jadikan form ke FormData untuk menghandle file
44
45        $.ajax({
46          url: form.action,
47          type: form.method,
48          data: formData, // Data yang dikirim berupa FormData
49          processData: false, // setting processData dan contentType ke false, untuk menghandle file
50          contentType: false,
51          success: function(response) {
52            if(response.status) { // jika sukses
53              $('#myModal').modal('hide');
54              Swal.fire({
55                icon: 'success',
56                title: 'Berhasil',
57                text: response.message
58              });
59              tableBarang.ajax.reload(); // reload datatable
60            } else { // jika error
61              $('.error-text').text('');
62              $.each(response.msgField, function(prefix, val) {
63                $('#error-' + prefix).text(val[0]);
64              });
65              Swal.fire({
66                icon: 'error',
67                title: 'Terjadi Kesalahan',
68                text: response.message
69              });
70            }
71          }
72        });
73        return false;
74      },
75      errorElement: 'span',
76      errorPlacement: function(error, element) {
77        error.addClass('invalid-feedback');
78        element.closest('.form-group').append(error);
79      },
80      highlight: function(element, errorClass, validClass) {
81        $(element).addClass('is-invalid');
82      },
83      unhighlight: function(element, errorClass, validClass) {
84        $(element).removeClass('is-invalid');
85      }
86    });
87  </script>
```



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

```
133 // Route Data Barang (Admin & Manajer)
134 Route::middleware(['auth:ADM,MNG'])->group(function(): void{
135     Route::get('/barang', [BarangController::class, 'index']);
136     Route::post('/barang/list', [BarangController::class, 'list']);
137     Route::get('/barang/create_ajax', [BarangController::class, 'create_ajax']); // ajax form create
138     Route::post('/barang_ajax', [BarangController::class, 'store_ajax']); // ajax store
139     Route::get('/barang/{id}/edit_ajax', [BarangController::class, 'edit_ajax']); // ajax form edit
140     Route::put('/barang/{id}/update_ajax', [BarangController::class, 'update_ajax']); // ajax update
141     Route::get('/barang/{id}/delete_ajax', [BarangController::class, 'confirm_ajax']); // ajax form confirm
142     Route::delete('/barang/{id}/delete_ajax', [BarangController::class, 'delete_ajax']); // ajax delete
143
144     Route::get('/barang/import', [BarangController::class, 'import']); // ajax form upload excel
145     Route::post('/barang/import_ajax', [BarangController::class, 'import_ajax']); // ajax import excel
146 });
147 };
```

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

```
composer require phoffice/phpspreadsheet
```

```
PS F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Minggu8\PWL_POS> composer require phoffice/phpspreadsheet
./composer.json has been updated
Running composer update phoffice/phpspreadsheet
Loading composer repositories with package information
Updating dependencies
Lock file operations: 5 installs, 0 updates, 0 removals
```

```
> Illuminate\Foundation\ComposerScripts::postAutoLoadDump
> @php artisan package:discover --ansi

  INFO  Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE
yajra/laravel-datables-buttons ..... DONE
yajra/laravel-datables-editor ..... DONE
yajra/laravel-datables-fractal ..... DONE
yajra/laravel-datables-html ..... DONE
yajra/laravel-datables-oracle ..... DONE

nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE
yajra/laravel-datables-buttons ..... DONE
yajra/laravel-datables-editor ..... DONE
yajra/laravel-datables-fractal ..... DONE
yajra/laravel-datables-html ..... DONE
yajra/laravel-datables-oracle ..... DONE

88 packages you are using are looking for funding.
Use the "composer fund" command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force
```



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

```
Minggu8 PWL_POS > app > Http > Controllers > BarangController.php > PHP > barangController > update_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 Illuminate\Support\Facades\Validator;
11 use PhpOffice\PhpSpreadsheet\IOFactory;
12 use Yajra\DataTables\Facades\DataTables;
13
14
15 //Menampilkan halaman utama barang
16 class BarangController extends Controller
17 {
18     public function index(): Factory|View
19     {
20         $activeMenu = 'barang';
21         $breadcrumb = (object) [
22             'title' => 'Data Barang',
23             'list' => ['Home', 'Barang']
24         ];
25
26         $kategori = KategoriModel::select('kategori_id', 'kategori_nama')->get();
27
28         return view('barang.index', [
29             'activeMenu' => $activeMenu,
30             'breadcrumb' => $breadcrumb,
31             'kategori' => $kategori
32         ]);
33     }
34
35     //Mengambil data barang untuk DataTables
36     //references|0 overrides
37     public function list(Request $request): JsonResponse
38     {
39         $barang = BarangModel::select('barang_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual', 'kategori_id')->with('kategori');
40
41         $kategori_id = $request->input('filter_kategori');
42         if (!empty($kategori_id)) {
43             $barang->where('kategori_id', $kategori_id);
44         }
45
46         return DataTables::of($barang)
47             ->addIndexColumn()
48             ->addColumn('aksi', function ($barang) {
49                 $string = '<a href="" url="/barang/' . $barang->barang_id . '" class="btn btn-info btn-sm">Detail</a> ';
50                 $string .= '<a href="" url="/barang/' . $barang->barang_id . '/edit" class="btn btn-warning btn-sm">Edit</a> ';
51                 $string .= '<form class="d-inline-block" method="POST" action="" url="/barang/' . $barang->barang_id . '">';
52                 $string .= 'csrf_field(); method="DELETE" class="btn btn-danger">Hapus</button>';
53                 $string .= '<button onclick="modalAction()" url="' . $barang->barang_id . '/show_ajax" class="btn btn-warning btn-sm">Detail</button> ';
54                 $string .= '<button onclick="modalAction()" url="' . $barang->barang_id . '/edit_ajax" class="btn btn-warning btn-sm">Edit</button> ';
55                 $string .= '<button onclick="modalAction()" url="' . $barang->barang_id . '/delete_ajax" class="btn btn-danger btn-sm">Hapus</button> ';
56             });
57
58         $barang->rawColumns(['aksi']);
59         $barang->make(true);
60     }
61
62     //Menampilkan halaman form dengan Ajax
63     //references|0 overrides
64     public function create_ajax(): mixed|View
65     {
66         $kategori = KategoriModel::select('kategori_id', 'kategori_nama')->get();
67
68         return view('barang.create_ajax')->with('kategori', $kategori);
69     }
70
71     // Menyimpan data barang baru dengan Ajax
72     //references|0 overrides
73     public function store_ajax(Request $request): JsonResponse|mixed\Redirector|RedirectResponse
74     {
75         if ($request->ajax() || $request->wantsJson()) {
76             $rules = [
77                 'kategori_id' => ['required', 'integer', 'exists:m_kategori,kategori_id'],
78                 'barang_kode' => ['required', 'min:3', 'max:20', 'unique:m_barang,barang_kode'],
79                 'barang_nama' => ['required', 'string', 'max:100'],
80                 'harga_beli' => ['required', 'numeric'],
81                 'harga_jual' => ['required', 'numeric'],
82             ];
83
84             $validator = Validator::make($request->all(), $rules);
85
86             if ($validator->fails()) {
87                 return response()->json([
88                     'status' => false,
89                     'message' => 'Validasi Gagal',
90                     'msgField' => $validator->errors(),
91                 ]);
92             }
93         }
94     }
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8. Sekarang kita coba jalankan browser dan klik tombol import pada menu Barang

Import Data Barang

Download Template [Download](#)

Pilih File

Choose File template_barang.xlsx

Batal Upload

Berhasil

Data berhasil diimport

OK

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

- Data berhasil ditambahkan, semula data barang hanya 18 sekarang menjadi 24 (18+6 data baru hasil import excel)

ID	Kode	Nama	Harga Beli	Harga Jual	Kategori	Detail	Edit	Hapus
19	ELT-004	Samsung Microwave Solo 20L	890.000	950.000	Elektronik	Detail	Edit	Hapus
20	PKN-004	Uniqlo Rayon Blus Skipper	230.000	250.000	Pakaian	Detail	Edit	Hapus
21	MKN-004	Super Bubur	7.000	10.000	Makanan	Detail	Edit	Hapus
22	MNM-004	Energen Sachet Rasa Kurma	2.500	4.000	Minuman	Detail	Edit	Hapus
23	OBT-004	Degirol Tablet Hisap 0,25mg	7.000	15.000	Obat-obatan	Detail	Edit	Hapus
24	SKC-004	Wardah Instaperfect Cushion	185.000	200.000	Skincare	Detail	Edit	Hapus

Showing 1 to 24 of 24 entries

Activate Windows

- Tampilan localhost/phpmyadmin tabel m_barang

ID	Kode	Nama	Harga Beli	Harga Jual	Tanggal Input	Waktu Input	NULL
21	1 ELT-004	Samsung Microwave Solo 20L	890000	950000	2025-03-28	18:37:38	NULL
22	2 PKN-004	Uniqlo Rayon Blus Skipper	230000	250000	2025-03-28	18:37:38	NULL
23	3 MKN-004	Super Bubur	7000	10000	2025-03-28	18:37:38	NULL
24	4 MNM-004	Energen Sachet Rasa Kurma	2500	4000	2025-03-28	18:37:38	NULL
25	5 OBT-004	Degirol Tablet Hisap 0,25mg	7000	15000	2025-03-28	18:37:38	NULL
26	7 SKC-004	Wardah Instaperfect Cushion	185000	200000	2025-03-28	18:37:38	NULL

Tugas 1 – Implementasi File Upload untuk Import Data:

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

a. Menu Level User

➤ Tampilan halaman utama

Daftar Level

Daftar level yang terdapat dalam sistem

Import Level | Tambah Data | Tambah Data (Ajax)

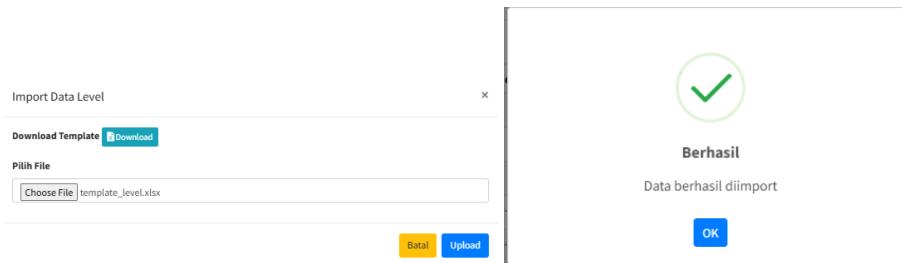
ID	Level Code	Level Name	Aksi
1	ADM	Administrator	Detail Edit Hapus
2	MNG	Manager	Detail Edit Hapus
3	STF	Staf Kasir	Detail Edit Hapus

Activate Windows

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- Button import data excel



- Data berhasil ditambahkan dalam localhost/phpMyAdmin tabel m_level dan ditampilkan ke user

<input type="checkbox"/>	Edit	Copy	Delete	4 SPV	Supervisor	2025-03-29 13:03:38	NULL
<input type="checkbox"/>	Edit	Copy	Delete	5 FIN	Keuangan/Finance	2025-03-29 13:03:38	NULL
<input type="checkbox"/>	Edit	Copy	Delete	6 MKT	Marketing	2025-03-29 13:03:38	NULL
<input type="checkbox"/>	Edit	Copy	Delete	7 ITS	IT Support Staff	2025-03-29 13:03:38	NULL

Daftar Level						
Daftar level yang terdaftar dalam sistem						
Import Level Tambah Data Tambah Level (Ajax)						
Filter: <input type="text" value="Semua -"/> Level Pengguna						
Show: <input type="button" value="10"/> entries					Search: <input type="text"/>	
ID	Level Kode	Level Name	Aksi			
1	ADM	Administrator	Detail Edit Hapus			
2	MNG	Manager	Detail Edit Hapus			
3	STF	Staf/Kasir	Detail Edit Hapus			
4	SPV	Supervisor	Detail Edit Hapus			
5	FIN	Keuangan/Finance	Detail Edit Hapus			
6	MKT	Marketing	Detail Edit Hapus			
7	ITS	IT Support Staff	Detail Edit Hapus			

b. Menu Data User

- Tampilan halaman utama

No	ID Pengguna	Username	Nama	Level	Aksi
1	1	admin	Administrator	Admin	Detail Edit Hapus
2	2	manager	Manager	Manager	Detail Edit Hapus
3	3	staff	Staf/Kasir	Staff	Detail Edit Hapus
4	4	customer1	Customer1	Customer	Detail Edit Hapus
5	16	customer2	Pelanggan Kedua	Customer	Detail Edit Hapus
6	18	manager_dua	Manager 2	Manager	Detail Edit Hapus
7	22	manager33	Manager Tiga Tiga	Manager	Detail Edit Hapus
8	23	manager56	Manager55	Manager	Detail Edit Hapus
9	24	manager12	Manager11	Manager	Detail Edit Hapus
10	28	manager99	Vita Eka S	Manager	Detail Edit Hapus



- Button import data excel

The screenshot shows a modal window titled "Import Data Pengguna". It contains a "Download Template" button and a "Pilih File" input field containing "template_user.xlsx". Below the input field are "Batal" and "Upload" buttons. To the right of the modal is a success message: "Berhasil" with a green checkmark icon, followed by "Data berhasil diimport" and an "OK" button.

- Data berhasil ditambahkan dalam localhost/phpMyAdmin dan ditampilkan ke user

The screenshot shows a table with 14 rows of data. The columns are labeled: No, ID, Kode Pengguna, Nama Pengguna, Level, Password, Status, and Tanggal Input. The data includes entries for users like kasir01, kasir02, staff01, and staff02, along with their respective details and timestamps.

11	29	kasir01	Noviana	Staff	\$2y\$12\$ikIVC2jhGLeChnhBYuOAFKDbcykrSzOEU14ZTN8...	2025-03-29 06:56:32	NULL
12	30	kasir02	Kayla	Staff	\$2y\$12\$CYMi8NFNAFH/G5m66jmGulaZnnEopVUHcr9sg0id...	2025-03-29 06:56:33	NULL
13	31	staff01	Vita	Staff	\$2y\$12\$00D2luUMwkHRbVShVV5UOlXGsjgPLVM/8El5DBZJv...	2025-03-29 06:56:33	NULL
14	32	staff02	Shinta	Staff	\$2y\$12\$PSieDEeNEAst7ybSvtdyluVgFsPzdjjpN0vW1GEY71f...	2025-03-29 06:56:34	NULL

c. Menu Kategori Barang

- Tampilan halaman utama

The screenshot shows a dashboard with a sidebar menu. The menu items include: Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang (which is highlighted), Data Barang, Data Supplier, Data Supplier, Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area is titled "Daftar Kategori" and displays a table of categories. The table has columns: No, Kode Kategori, Nama Kategori, and Aksi. The categories listed are: ELT (Elektronik), PKN (Pakaian), MKN (Makanan), MNM (Minuman), OBT (Obat-obatan), and SKC (Skincare). Each category row has "Detail", "Edit", "Copy", and "Hapus" buttons.

- Button import data excel

The screenshot shows a modal window titled "Import Data Kategori". It contains a "Download Template" button and a "Pilih File" input field containing "template_kategori.xlsx". Below the input field are "Batal" and "Upload" buttons. To the right of the modal is a success message: "Berhasil" with a green checkmark icon, followed by "Data berhasil diimport" and an "OK" button.



- Data berhasil ditambahkan dalam localhost/phpMyAdmin tabel m_kategori dan ditampilkan ke user

	kategori_id	kategori_kode	kategori_nama	created_at	updated_at
Edit Copy Delete	1	ELT	Elektronik	NULL	2025-03-28 15:37:30
Edit Copy Delete	2	PKN	Pakaian	NULL	2025-03-28 15:37:45
Edit Copy Delete	3	MKN	Makanan	NULL	2025-03-28 15:37:55
Edit Copy Delete	4	MNM	Minuman	NULL	2025-03-28 15:38:05
Edit Copy Delete	5	OBT	Obat-obatan	NULL	2025-03-28 15:38:15
Edit Copy Delete	7	SKC	Skincare	2025-03-15 14:59:45	2025-03-28 15:38:29
Edit Copy Delete	11	BDC	Body Care	2025-03-29 17:12:13	NULL
Edit Copy Delete	12	ATK	Alat Tulis Kantor	2025-03-29 17:12:13	NULL
Edit Copy Delete	13	PRT	Peralatan Rumah Tangga	2025-03-29 17:12:13	NULL
Edit Copy Delete	14	SBK	Sembako	2025-03-29 17:12:13	NULL

7	BDC	Body Care	Detail Edit Hapus
8	ATK	Alat Tulis Kantor	Detail Edit Hapus
9	PRT	Peralatan Rumah Tangga	Detail Edit Hapus
10	SBK	Sembako	Detail Edit Hapus

d. Menu Data Supplier

- Tampilan halaman utama

Activate Windows
Go to Settings to activate Windows
Version 3.2.0

- Button import data excel

Import Data Supplier

Download Template [Download](#)

Pilih File

template_supplier.xlsx

OK

Berhasil

Data berhasil diimport



- Data berhasil ditambahkan dalam localhost/phpMyAdmin tabel m_supplier dan ditampilkan ke user

	Edit Copy Delete	6 SP04	PT Gemilang Abadi	Jl. Sudirman No. 20, Jakarta	2025-03-29 18:15:53	NULL
	Edit Copy Delete	7 SP05	PT Mitra Jaya	Jl. Basuki Rahmat No. 12, Malang	2025-03-29 18:15:53	NULL
	Edit Copy Delete	8 SP06	PT Sinar Mulia	Jl. Kartini No. 5, Semarang	2025-03-29 18:15:53	NULL
	Edit Copy Delete	9 SP07	PT Cahaya Nusantara	Jl. Asia Afrika No. 15, Bandung	2025-03-29 18:15:53	NULL
	Edit Copy Delete	10 SP08	PT Mega Persada	Jl. Merdeka No. 25, Bandung	2025-03-29 18:15:53	NULL
	Edit Copy Delete	11 SP09	PT Gunung Emas	Jl. Ahmad Dahlan No. 9, Balikpapan	2025-03-29 18:15:53	NULL
	Edit Copy Delete	12 SP10	PT Andalas Persada	Jl. Hasanuddin No. 6, Makassar	2025-03-29 18:15:53	NULL

Showing 1 to 10 of 10 entries

Activate Windows

Previous Next

2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan

a. Menu Level Level

- Cek isi tabel m_level

		level_id	level_kode	level_nama	created_at	updated_at
	Edit Copy Delete	1 ADM	Administrator	NULL	NULL	
	Edit Copy Delete	2 MNG	Manager	NULL	NULL	
	Edit Copy Delete	3 STF	Staf/Kasir	NULL	NULL	

- Buat file excel template_level

1	level_id	level_kode	level_nama
2	4	SPV	Supervisor
3	5	FIN	Keuangan/Finance
4	6	MKT	Marketing
5	7	ITS	IT Support Staff
6			

- Modifikasi views level/index.blade.php

```
Minggu8 > PWL_POS > resources > views > level > index.blade.php
 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') }}')>Import Level</button>
 9                  <a href="{{ url(path: '/level/create') }}">Tambah Data</a>
10                  <button onclick="modalAction('{{ url(path: '/level/create_ajax') }}')>Tambah Data \(Ajax\)</button>
11              </div>
12          </div>
13          <div class="card-body">
14              <table>
15                  <thead>
16                      <tr>
17                          <th>No</th>
18                          <th>level_id</th>
19                          <th>level_kode</th>
20                          <th>level_nama</th>
21                      </tr>
22                  </thead>
23                  <tbody>
24                      @foreach($levels as $level)
25                          <tr>
26                              <td>{{ $loop->index + 1 }}</td>
27                              <td>{{ $level->level_id }}</td>
28                              <td>{{ $level->level_kode }}</td>
29                              <td>{{ $level->level_nama }}</td>
30                          </tr>
31                      @endforeach
32                  </tbody>
33              </table>
34          </div>
35      </div>
36  </div>
37  <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" data-keyboard="false" data-width="75%" aria-hidden="true"></div>
38
39  @endsection
```



```
53 @push('js')
54     <script>
55         function modalAction(url = ''){
56             $('#myModal').load(url, function(){
57                 $('#myModal').modal('show');
58             });
59         }
60
61     $(document).ready(function() {
62
63         $('#level_id').on('change', function() {
64             d.level_id = $('#level_id').val();
65
66             $('#tbl_level').DataTable({
67                 columns: [
68                     { data: "level_id", className: "text-center", orderable: false, searchable: false },
69                     { data: "level_node", className: "", orderable: true, searchable: true },
70                     { data: "level_name", className: "text-center", orderable: true, searchable: true },
71                     { data: "aksi", className: "", orderable: false, searchable: false }
72                 ]
73             });
74         });
75     });
76
77     $('#tbl_level').DataTable({
78         columns: [
79             { data: "level_id", className: "text-center", orderable: false, searchable: false },
80             { data: "level_node", className: "", orderable: true, searchable: true },
81             { data: "level_name", className: "text-center", orderable: true, searchable: true },
82             { data: "aksi", className: "", orderable: false, searchable: false }
83         ]
84     });
85
86     $('#tbl_level').on('click', 'tbody tr', function(e) {
87         e.preventDefault();
88         var id = $(this).find('td:first-child').text();
89         var node = $(this).find('td:nth-child(2)').text();
90         var name = $(this).find('td:nth-child(3)').text();
91         var aksi = $(this).find('td:last-child').text();
92
93         $('#level_id').val(id);
94         $('#level_node').text(node);
95         $('#level_name').text(name);
96         $('#aksi').text(aksi);
97     });
98 });
99 Chat (CTRL + I) / Edit (CTRL + L)
$('#level_id').on("change", function() {

```

- Buat file views dengan nama `level/import.blade.php`

```
Minggu8 > PWL_POS > resources > views > level > Import.blade.php
1  <form action="{{ url(path: 'level/import_ajax') }}" method="POST" id="form-import-level" 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">Import Data Level</h5>
7                  <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8                      <span aria-hidden="true">X</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_level.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_level" id="file_level" class="form-control" required>
22                     <small id="error-file_level" 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>

```

*Selengkapnya :

https://github.com/vitasaraswati/PWL25/blob/6a42207338854cda681830603878ee2c8f930372/Minggu8/PWL_POS/resources/views/level/import.blade.php

- Modifikasi `route/web.php` untuk mengakomodir proses upload file pada menu data level

```
68 // Route Data Level User (Admin)
69 Route::middleware(['auth:admin'])->group(function(): void{
70     Route::group(['prefix' => 'level'], function (): void {
71         Route::get('/', [LevelController::class, 'index']); // Halaman utama level
72         Route::post('/list', [LevelController::class, 'list']); // Data untuk datatables
73         Route::get('/create', [LevelController::class, 'create']); // Form tambah level
74         Route::post('/store', [LevelController::class, 'store']); // Simpan level baru
75         Route::get('/create_ajax', [LevelController::class, 'create_ajax']); // Form tambah via Ajax
76         Route::post('/ajax', [LevelController::class, 'store_ajax']); // Simpan via Ajax
77         Route::get('/edit/{id}', [LevelController::class, 'edit']); // Form edit via Ajax
78         Route::put('/{id}/update_ajax', [LevelController::class, 'update_ajax']); // Update via Ajax
79         Route::get('/{id}', [LevelController::class, 'show']); // Detail level
80         Route::put('/{id}/edit', [LevelController::class, 'edit']); // Form edit level
81         Route::put('/{id}', [LevelController::class, 'update']); // Update level
82         Route::get('/{id}/delete_ajax', [LevelController::class, 'confirm_ajax']); // Konfirmasi hapus Ajax
83         Route::delete('{id}', [LevelController::class, 'delete_ajax']); // Hapus via Ajax
84         Route::delete('{id}', [LevelController::class, 'destroy']); // Hapus level
85     });
86     Route::get('import', [LevelController::class, 'import']); // - ajax Form-upload-excel
87     Route::post('import_ajax', [LevelController::class, 'import_ajax']); // - ajax import-excel
88 });
89 
```



➤ Modifikasi file **LevelController.php** untuk memproses data

```
10 | use PhpOffice\PhpSpreadsheet\IOFactory;
```

```
32 // Ambil data level dari berkas json untuk database
33
34 public function listRequest(Request $request): JsonResponse
35 {
36     $levels = LevelModel::select('level_id', 'level_kode', 'level_nama')
37     ->where('level_id', $request->level_id)
38     ->get();
39
40     return Datatables::of($levels)
41         ->addColumn('action', function ($levels) {
42             $levels->action = 'Edit Copy Delete' . $levels->level_id;
43         })
44         ->rawColumns(['action']);
45 }
46
47 
```

Tambah function import_ajax

```
268     /**
269      * @param Request $request
270     */
271    public function import_ajax(Request $request): JsonResponse|mixed|Redirector|RedirectResponse
272    {
273        if ($request->ajax() || $request->wantsJson()) {
274            $rules = [
275                'file_level' => ['required', 'mimes:xlsx', 'max:1024']
276            ];
277
278            $validator = Validator::make($request->all(), $rules);
279            if ($validator->fails()) {
280                return response()->json([
281                    'status' => false,
282                    'message' => 'Validasi Gagal',
283                    'msgField' => $validator->errors()
284                ]);
285            }
286
287            $file = $request->file('file_level');
288            $reader = IOFactory::createReader('Xlsx');
289            $reader->setReadDataOnly(true);
290            $spreadsheet = $reader->load($file->getRealPath());
291            $sheet = $spreadsheet->getActiveSheet();
292            $data = $sheet->toArray(null, false, true, true);
293
294            $insert = [];
295            if (count($value = $data) > 1) {
296                foreach ($data as $baris => $value) {
297                    if ($baris > 1) { // baris ke 1 adalah header
298                        $insert[] = [
299                            'level_id' => $value['A'],
300                            'level_kode' => $value['B'],
301                            'level_nama' => $value['C'],
302                            'created_at' => now(),
303                        ];
304
305                        if (count($value = $insert) > 0) {
306                            LevelModel::insertOrIgnore($insert);
307                            return response()->json([
308                                'status' => true,
309                                'message' => 'Data berhasil diimport'
310                            ]);
311                        }
312
313                        return response()->json([
314                            'status' => false,
315                            'message' => 'Tidak ada data yang diimport'
316                        ]);
317                    }
318
319                }
320            }
321        }
322    }
```

b. Menu Data User

➤ Cek isi tabel m_user dan m_level

		user_id	level_id	username	name	password	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	1 admin	Administrator	\$2y\$12\$Hh.yEKQJ4dUb0.v7Hc1edwvBvERGHPuPQywKLJ...	NULL	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	2 manager	Manager	\$2y\$12\$VnDthqFqM2yjxdB5CBNk8zCafPeVh7qfJNT...	NULL	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	3 staff	StafKasir	\$2y\$12\$7uKHG2s9GaPcvxwXlBbH.mTs2HfJ3pXYg65OCoqR...	NULL	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	4 customer-1	Customer 1	\$2y\$12\$2UmD0OkusStXlgPwvH.vgxxQWxxEevcZbmh.y...	NULL	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	16	4 customer-2	Pelanggan Kedua	\$2y\$12\$6kaXsOn/leemsxEdqg2gPlaOrzleBhjd3agq...	NULL	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	18	2 manager_dua	Manager 2	\$2y\$12\$XjxDGihnmz4ZfJy2efHezeoIBk/zgoA4EaGZ/WkAe...	2025-03-08 05:09:32	2025-03-08 05:09:32	05:09:32
<input type="checkbox"/>	Edit Copy Delete	22	2 manager33	Manager Tiga Tiga	\$2y\$12\$sv15hVNSEefUx.Li.sAin9.DyEDMTpGSQ6dpNobA3NE...	2025-03-08 10:21:14	2025-03-08 10:21:14	10:21:14
<input type="checkbox"/>	Edit Copy Delete	23	2 manager56	Manager56	\$2y\$12\$E.gJIZqmhqfjnAYdddeugMs3SDz6HtmpRU9XZ8sYO...	2025-03-08 12:44:38	2025-03-08 12:44:38	12:44:38
<input type="checkbox"/>	Edit Copy Delete	24	2 manager12	Manager12	\$2y\$12\$VxSL1b1dpDfiajuzk007XhOIC2RzL7jposNFg...	2025-03-27 13:20:09	2025-03-27 13:20:09	13:20:09
<input type="checkbox"/>	Edit Copy Delete	28	2 manager99	Vita Eka S	\$2y\$12\$ohXpYfIoYESw@RyFvYeymhsgWpHyWk3B5hvQ4...	19:52:47	19:52:47	19:52:47



	<input type="checkbox"/> Edit Copy Delete	level_id	level_kode	level_nama	created_at	updated_at
1	ADM	Administrator	NULL	NULL	NULL	
2	MNG	Manager	NULL	NULL	NULL	
3	STF	Staf/Kasir	NULL	NULL	NULL	
4	CUS	Pelanggan	2025-03-05 16:24:48	NULL	NULL	

➤ Buat file excel template_user

1	user_id	username	nama	level_id
2	29	kasir01	Noviana	3
3	30	kasir02	Kayla	3
4	31	staff01	Vita	3
5	32	staff02	Shinta	3

➤ Modifikasi views user/index.blade.php

```
Minggu > PWL_POS > resources > views > user > index.blade.php
1 @extends('layouts.template')
2  @section('content')
3  <div class="card">
4    <div class="card-header">
5      <h3>Daftar Pengguna yang terdaftar dalam sistem</h3>
6      <div><button>Import Pengguna</button>
7      <button>Tambah Data</button>
8      <a href="{{ url('user/create') }}">Tambah Data</a>
9      <button>Tambah Data (Ajax)</button>
10     </div>
11   </div>
12
13   <div id="filter" class="form-horizontal filter-date p-2 border-bottom mb-2">
14     <div class="row">
15       <div class="col-md-12">
16         <div class="form-group form-group-sm row text-sm mb-0">
17           <label for="filter_level" class="col-md-1 col-form-label">Filter</label>
18           <div class="col-md-3">
19             <select name="filter_level" class="form-control form-control-sm filter_level">
20               <option value=""> Semua </option>
21               @foreach($level as $l)
22                 <option value="{{ $l->level_id }}>{{ $l->level_nama }}</option>
23               @endforeach
24             </select>
25             <small class="form-text text-muted">Level Pengguna</small>
26           </div>
27         </div>
28       </div>
29     </div>
30   </div>
31
32
33   @if(session('success'))
34     <div class="alert alert-success">{{ session('success') }}</div>
35   @endif
36
37   @if(session('error'))
38     <div class="alert alert-danger">{{ session('error') }}</div>
39   @endif
40
41   <!-- User Table -->
42   <table class="table table-bordered table-sm table-striped table-hover" id="table-user">
43     <thead>
44       <tr>
45         <th>No</th>
46         <th>ID Pengguna</th>
47         <th>Username</th>
48         <th>Nama</th>
49         <th>Level</th>
50         <th>Aksi</th>
51       </tr>
52     </thead>
53     <tbody></tbody>
54   </table>
55
56   </div>
57   <div id="myModal" class="modal fade animate shake" tabindex="-1" data-backdrop="static" data-keyboard="false" data-width="75%"></div>
58
59
60   @push('js')
61   <script>
```



```
60 @push('js')
61 <script>
62     function modalAction(url = '') {
63         $('#myModal').load(url, function() {
64             $('#myModal').modal('show');
65         });
66     }
67
68     var tableUser;
69     $(document).ready(function() {
70         tableUser = $('#table-user').DataTable({
71             processing: true,
72             serverSide: true,
73             ajax: {
74                 "url": "{{ url(path: 'user/list') }}",
75                 "dataType": "json",
76                 "type": "POST",
77                 "data": function (d) { Chat (CTRL + I) / Edit (CTRL + L)
78                     d.filter_level = $('.filter_level').val();
79                 }
80             },
81         });
82     });
83 
```

*Selengkapnya :

<https://github.com/vitasaraswati/PWL25/commit/e7ebf2ac69d90c7518bbb8c517e36e3af674c8bd#iff-7c9e22e5e4f1e1beb4c818424d96d050ff755927f7601e95ec82874795d4d653>

- Buat file views dengan nama `user/import.blade.php`

```
Minggu6 > PWL_POS > resources > views > user >  confirm_ajax.blade.php
1 @empty($user)
2     <div id="modal-master" class="modal-dialog modal-lg" role="document">
3         <div class="modal-content">
4             <div class="modal-header">
5                 <h5 class="modal-title" id="exampleModalLabel">Kesalahan</h5>
6                 <button type="button" class="close" data-dismiss="modal" aria-label="Close">
7                     <span aria-hidden="true">&times;</span>
8                 </button>
9             </div>
10            <div class="modal-body">
11                <div class="alert alert-danger">
12                    <h5> Kesalahan!!!</h5>
13                    Data yang anda cari tidak ditemukan
14                </div>
15                <a href="{{ url(path: '/user') }}" class="btn btn-warning">Kembali</a>
16            </div>
17        </div>
18    </div>
19 @else
20     <form action="{{ url(path: '/user' . $user->user_id.'/delete_ajax') }}" method="POST" id="form-delete">
21         @csrf
22         @method('DELETE')
23     <div id="modal-master" class="modal-dialog modal-lg" role="document">
24         <div class="modal-content">
25             <div class="modal-header">
26                 <h5 class="modal-title" id="exampleModalLabel">Hapus Data User</h5>
27                 <button type="button" class="close" data-dismiss="modal" aria-label="Close">
28                     <span aria-hidden="true">&times;</span>
29                 </button>
30             </div>
```

*Selengkapnya :

https://github.com/vitasaraswati/PWL25/blob/master/Minggu8/PWL_POS/resources/views/user/confir_m_ajax.blade.php

- Modifikasi `route/web.php` untuk mengakomodir proses upload file pada menu data user

```
63 //import data user via upload file excel
64 Route::get('import', [UserController::class, 'import']); // ajax form upload excel
65 Route::post('import_ajax', [UserController::class, 'import_ajax']); // ajax import excel
66 });
67 });
68 };
```



➤ Modifikasi file **UserController.php** untuk memproses data

```
66 // Ambil data user dalam bentuk JSON untuk DataTables
67 // 4 references | 0 overrides
68 public function list(Request $request): JsonResponse{
69     $users = UserModel::select('user_id', 'username', 'nama', 'level_id')
70     ->with('level');
71
72     if ($request->level_id) {
73         $users->where('level_id', $request->level_id);
74     }
75
76     return DataTables::of($users)
77     ->addIndexColumn() // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
78     ->addColumn('aksi', function ($user): string {
79         $btn = '<button onclick="modalAction(`/user` . `/user_id` . `/show_ajax`,'`)' class="btn btn-info btn-sm">Detail</button>';
80         $btn .= '<button onclick="modalAction(`/user` . `/user_id` . `/edit_ajax`,'`)' class="btn btn-warning btn-sm">Edit</button>';
81         $btn .= '<button onclick="modalAction(`/user` . `/user_id` . `/delete_ajax`,'`)' class="btn btn-danger btn-sm">Hapus</button>';
82
83         return $btn;
84     })
85     ->rawColumns(['aksi']) // Memberitahu bahwa kolom aksi adalah HTML
86     ->make(true);
87 }
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
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387
388
389
390
391
392
393
394
395
396
397
398
399 }
```

*Selengkapnya :

https://github.com/vitasaraswati/PWL25/blob/e7ebf2ac69d90c7518bbb8c517e36e3af674c8bd/Minggu8/PWL_POS/app/Http/Controllers/UserController.php



c. Menu Kategori Barang

- Cek isi tabel dan m_kategori

		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>		1	ELT	Elektronik	NULL	2025-03-28 15:37:30
<input type="checkbox"/>		2	PKN	Pakaian	NULL	2025-03-28 15:37:45
<input type="checkbox"/>		3	MKN	Makanan	NULL	2025-03-28 15:37:55
<input type="checkbox"/>		4	MNM	Minuman	NULL	2025-03-28 15:38:05
<input type="checkbox"/>		5	OBT	Obat-obatan	NULL	2025-03-28 15:38:16
<input type="checkbox"/>		7	SKC	Skincare	2025-03-15 14:59:45	2025-03-28 15:38:29

- Buat file excel template_kategori

A	B	C
1	kategori_kode	kategori_nama
2	BDC	Body Care
3	ATK	Alat Tulis Kantor
4	PRT	Peralatan Rumah Tangga
5	SBK	Sembako

- Modifikasi views kategori/index.blade.php

```
Minggu8 > PWL_POS > resources > views > kategori > index.blade.php
1 @extends('layouts.template')
2
3 @section('content')
4 <div class="card card-outline card-primary">
5   <div class="card-header">
6     <h3>Daftar Kategori</h3>
7     <div class="card-tools">
8       <button onclick="modalAction('{{ url(path: '/kategori/import') }}'" class="btn btn-info">Import Kategori</button>
9       <a href="{{ url(path: '/kategori/create') }}" class="btn btn-primary">Tambah Data</a>
10      <button onclick="modalAction('{{ url(path: '/kategori/create_ajax') }}'" class="btn btn-success">Tambah Data (Ajax)</button>
11    </div>
12  </div>
13
14  @endif
15
16  <div id="filter" class="form-horizontal filter-date p-2 border-bottom mb-2">
17    <div class="row">
18      <div class="col-md-12">
19        <div class="form-group form-group-sm row text-sm mb-0">
20          <label for="filter_kategori" class="col-md-1 col-form-label">Filter</label>
21          <div class="col-md-3">
22            <select name="filter_kategori" class="form-control form-control-sm filter_kategori">
23              <option value=""> Semua </option>
24              @foreach($kategori as $l)
25                <option value="{{ $l->kategori_id }}>{{ $l->kategori_nama }}</option>
26              @endforeach
27            </select>
28            <small class="form-text text-muted">Kategori Barang</small>
29          </div>
30        </div>
31      </div>
32    </div>
33  </div>
34
35  <table class="table table-bordered table-hover table-sm" id="table_kategori">
36    <thead>
37      <tr>
38        <th>No</th>
39        <th>Chat (CTRL + I) / Edit (CTRL + L)</th>
40        <th>Kode Kategori</th>
41        <th>Nama Kategori</th>
42        <th>Aksi</th>
43      </tr>
44    </thead>
45    <tbody>
46      <tr>
47        <td>1</td>
48        <td><button type="button" class="btn btn-primary">Chat</button> <button type="button" class="btn btn-warning">Edit</button></td>
49        <td>ELT</td>
50        <td>Elektronik</td>
51        <td><button type="button" class="btn btn-danger">Delete</button></td>
52      </tr>
53    </tbody>
54  </table>
55
56  <div id="myModal" class="modal fade animate shake" tabindex="-1" data-backdrop="static" data-keyboard="false" data-width="75%"></div>
57
58 @endsection
```



```
56 @push('js')
57     <script>
58         function modalAction(url = ''){
59             $('#myModal').load(url,function(){
60                 $('#myModal').modal('show')
61             });
62         }
63     </script>
64     $(document).ready(function() {
65         var tableKategori = $('#table_kategori').DataTable({
66             serverSide: true,
67             processing: true,
68             ajax: {
69                 "url": "{{ url(path: 'kategori/list') }}",
70                 "dataType": "json",
71                 "type": "POST",
72                 "data": function (d) {
73                     d.filter_kategori = $('.filter_kategori').val();
74                 }
75             },
76             columns: [
77                 { data: "DT_RowIndex", className: "text-center", orderable: false, searchable: false },
78                 { data: "kategori_kode", orderable: true, searchable: true },
79                 { data: "kategori_nama", orderable: true, searchable: true },
80                 { data: "aksi", className: "text-center", orderable: false, searchable: false }
81             ],
82         });
83         $('.filter_kategori').change(function() {
84             tableKategori.draw();
85         });
86     });
87     </script>
88 @endpush
```

- Buat file views dengan nama [kategori/import.blade.php](#)

```
Minggu8 > PWL_POS > resources > views > kategori > import.blade.php
1 <form action="{{ url(path: '/kategori/import_ajax') }}" method="POST" id="form-import-kategori" 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">Import Data Kategori</h5>
7                 <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8                     <span aria-hidden="true">&amptimes</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>
```

* Selengkapnya:

https://github.com/vitasaraswati/PWL25/blob/master/Minggu8/PWL_POS/resources/views/kategori/import.blade.php

- Modifikasi [route/web.php](#) untuk mengakomodir proses upload file pada menu data kategori

```
93 // Route Data Kategori (Admin & Manager)
94 Router::middleware(['auth:admin,ngv'])->group(function(){ void(
95     Router::group(['prefix' => 'kategori'], function () { void(
96         Router::get('/', [KategoriController::class, 'index']); // Halaman utama kategori
97         Router::post('/list', [KategoriController::class, 'list']); // Data untuk datatables
98         Router::get('/create', [KategoriController::class, 'create']); // Form tambah kategori
99         Router::post('/create', [KategoriController::class, 'store']); // Simpan kategori baru
100        Router::get('/create_ajax', [KategoriController::class, 'create_ajax']); // Form tambah via Ajax
101        Router::post('/store', [KategoriController::class, 'store_ajax']); // Simpan via Ajax
102        Router::get('/({id})/edit_ajax', [KategoriController::class, 'edit_ajax']); // Form edit via Ajax
103        Router::put('/({id})/update_ajax', [KategoriController::class, 'update_ajax']); // Update via Ajax
104        Router::get('/({id})', [KategoriController::class, 'show']); // Detail kategori
105        Router::get('/({id})/edit', [KategoriController::class, 'edit']); // Form edit kategori
106        Router::put('/({id})/update', [KategoriController::class, 'update']); // Update kategori
107        Router::get('/({id})/delete_ajax', [KategoriController::class, 'confirm_ajax']); // Konfirmasi hapus Ajax
108        Router::post('/({id})/delete_ajax', [KategoriController::class, 'delete_ajax']); // Hapus via Ajax
109        Router::delete('/({id})', [KategoriController::class, 'destroy']); // Hapus kategori
110    );
111    Router::get('import', [KategoriController::class, 'import']); // Ajax Form upload excel
112    Router::post('import_ajax', [KategoriController::class, 'import_ajax']); // Ajax Import excel
113  );
114 );}); Chat (CTRL + I) / Edit (CTRL + L)
```

- Modifikasi file [KategoriController.php](#) untuk memproses data

```
10 | use PhpOffice\PhpSpreadsheet\IOFactory;
11 |
12 |
13 70 references | 0 implementations
```



Tambahkan function import_ajax

```
273 |     public function import_ajax(Request $request): JsonResponse|mixed|Redirector|RedirectRes...
274 |     {
275 |         if ($request->ajax() || $request->wantsJson()) {
276 |             $rules = [
277 |                 'file_kategori' => ['required', 'mimes:xlsx', 'max:1024']
278 |             ];
279 |             $validator = Validator::make($request->all(), $rules);
280 |             if ($validator->fails()) {
281 |                 return response()->json([
282 |                     'status' => false,
283 |                     'message' => 'Validasi Gagal',
284 |                     'msgField' => $validator->errors()
285 |                 ]);
286 |
287 |
288 |             $file = $request->file('file_kategori');
289 |             $reader = IOFactory::createReader('Xlsx');
290 |             $reader->setReadDataOnly(true);
291 |             $spreadsheet = $reader->load($file->getRealPath());
292 |             $sheet = $spreadsheet->getActiveSheet();
293 |             $data = $sheet->toArray(null, false, true, true);
294 |
295 |             $insert = [];
296 |             if (count(value: $data) > 1) {
297 |                 foreach ($data as $row => $value) {
298 |                     if ($row > 1) { // Lewati header (baris pertama)
299 |                         $insert[] = [
300 |                             'kategori_kode' => $value['A'], // Ambil data dari kolom A
301 |                             'kategori_nama' => $value['B'], // Ambil data dari kolom B
302 |                             'created_at' => now(),
303 |                         ];
304 |                     }
305 |                 }
306 |                 if (count(value: $insert) > 0) {
307 |                     KategoriModel::insertOrIgnore($insert);
308 |                     return response()->json([
309 |                         'status' => true,
310 |                         'message' => 'Data kategori berhasil diimport'
311 |                     ]);
312 |                 }
313 |             }
314 |             return response()->json([
315 |                 'status' => false,
316 |                 'message' => 'Tidak ada data yang diimport'
317 |             ]);
318 |         }
319 |     }
320 |     return redirect(to: '/');
321 | }
```

d. Menu Data Supplier

- Cek isi tabel dan m_supplier

	<input type="button" value="Edit"/> <input type="button" value="Copy"/> <input type="button" value="Delete"/>	supplier_id	supplier_kode	supplier_nama	supplier_alamat	created_at	updated_at
<input type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Copy"/> <input type="button" value="Delete"/>	1	SP01	PT Bina Makmur	Jl. Rafflesia 30 Surabaya	2025-03-23 06:18:38	NULL
<input type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Copy"/> <input type="button" value="Delete"/>	2	SP02	PT Adiguna Jaya Sentosa	Jl. Haji Abdul Muis No. 8, Surabaya	2025-03-23 06:18:38	NULL
<input type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Copy"/> <input type="button" value="Delete"/>	3	SP03	PT Wijaya Karya	Jl. M.T Haryono No. 1 Surabaya	2025-03-23 06:18:38	NULL

- Buat file excel template_supplier

A	B	C
1	supplier_kode	supplier_nama
2	SP04	PT Gemilang Abadi
3	SP05	Jl. Sudirman No. 20, Jakarta
4	SP06	Jl. Basuki Rahmat No. 12, Malang
5	SP07	Jl. Kartini No. 5, Semarang
6	SP08	Jl. Asia Afrika No. 15, Bandung
7	SP09	Jl. Merdeka No. 25, Bandung
8	SP10	Jl. Ahmad Dahlan No. 9, Balikpapan

- Modifikasi views supplier/index.blade.php

```
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">Daftar Supplier</h3>
7 |             <div class="card-tools">
8 |                 <button onclick="modalAction('{{ url(path: '/supplier/import') }}')" class="btn btn-info">Import Supplier</button>
9 |                 <a href="{{ url(path: '/supplier/create') }}" class="btn btn-primary">Tambah Data</a>
10 |                 <button onclick="modalAction('{{ url(path: '/supplier/create_ajax') }}')" class="btn btn-success">Tambah Data (Ajax)</button>
11 |
12 |             </div>
13 |         </div>
```



```
23 |         <thead>
24 |             <tr>
25 |                 <th>No</th>
26 |                 <th>Kode Supplier</th>
27 |                 <th>Nama Supplier</th>
28 |                 <th>Alamat Supplier</th>
29 |                 <th>Aksi</th>
30 |             </tr>
31 |         </thead>
```

```
42 | @push('js')
43 |     <script>
44 |         function modalAction(url = '') {
45 |             $('#modal-supplier').load(url, function() {
46 |                 $('#modal-supplier').modal('show');
47 |             });
48 |         }
49 |
50 |         var tableSupplier;
51 |         $(document).ready(function() {
52 |             tableSupplier = $('#table_supplier').DataTable({
53 |                 processing: true,
54 |                 serverSide: true,
55 |                 ajax: {
56 |                     url: "{{ url(path: 'supplier/list') }}",
57 |                     dataType: "json",
58 |                     type: "POST"
59 |                 },
60 |                 columns: [
61 |                     {
62 |                         data: "DT_RowIndex",
63 |                         className: "text-center",
64 |                         orderable: false,
65 |                         searchable: false
66 |                     },
67 |                     {
68 |                         data: "supplier_kode",
69 |                         className: "",
70 |                         orderable: true,
71 |                         searchable: true
72 |                     },
73 |                     {
74 |                         data: "supplier_nama",
75 |                         className: "",
76 |                         orderable: true,
77 |                         searchable: true
78 |                     },
79 |                     {
80 |                         data: "supplier_alamat",
81 |                         className: "",
82 |                         orderable: true,
83 |                         searchable: true
84 |                     },
85 |                     {
86 |                         data: "aksi",
87 |                         className: "text-center",
88 |                         orderable: false,
89 |                         searchable: false
90 |                     }
91 |                 ],
92 |             });
93 |
94 |             $('#table_supplier_filter input').unbind().bind().on('keyup', function(e) {
95 |                 if (e.keyCode == 13) {
96 |                     tableSupplier.search(this.value).draw();
97 |                 }
98 |             });
99 |         });
100 |     </script>
101 | 
```

- Buat file views dengan nama `supplier/import.blade.php`

```
Minggu8 > PWL_POS > resources > views > kategori > import.blade.php
1 | <form action="{{ url(path: 'kategori/import_aaja') }}" method="POST" id="form-import-kategori" 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">Import Data Kategori</h5>
7 |                 <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8 |                     <span aria-hidden="true">&amptimes</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 |                         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 | 
```

* Selengkapnya:

https://github.com/vitasaraswati/PWL25/blob/master/Minggu8/PWL_POS/resources/views/supplier/import.blade.php



- Modifikasi `route/web.php` untuk mengakomodir proses upload file pada menu data supplier

```
116 // Route Data Supplier (Admin & Manager)
117 Route::middleware(['authorize:ADM,NG'])->group(function(): void{
118     Route::group(['prefix' => 'supplier'], function(): void {
119         Route::get('/', [SupplierController::class, 'index']); // Index halaman utama supplier
120         Route::get('/list', [SupplierController::class, 'list']); // Data untuk datatables
121         Route::get('/create', [SupplierController::class, 'create']); // Form tambah supplier
122         Route::post('/', [SupplierController::class, 'store']); // Simpan supplier baru
123         Route::get('/create_ajax', [SupplierController::class, 'create_ajax']); // Form tambah via Ajax
124         Route::post('/ajax', [SupplierController::class, 'store_ajax']); // Simpan via Ajax
125         Route::get('/{id}/edit_ajax', [SupplierController::class, 'edit_ajax']); // Form edit via Ajax
126         Route::put('/{id}/update_ajax', [SupplierController::class, 'update_ajax']); // Update via Ajax
127         Route::get('/{id}', [SupplierController::class, 'show']); // Detail supplier
128         Route::get('/{id}/edit', [SupplierController::class, 'edit']); // Form edit supplier
129         Route::put('/{id}', [SupplierController::class, 'update']); // Update supplier
130         Route::get('/{id}/delete_ajax', [SupplierController::class, 'confirm_ajax']); // Konfirmasi hapus Ajax
131         Route::delete('/{id}', [SupplierController::class, 'destroy']); // Hapus via Ajax
132         //Import File Excel Menu Data Supplier
133         Route::get('import', [SupplierController::class, 'import']); // ajax form upload excel
134         Route::post('import_ajax', [SupplierController::class, 'import_ajax']); // ajax import excel
135     });
136 });
137 );
```

- Modifikasi file `SupplierController.php` untuk memproses data

```
9 | use Illuminate\Support\Facades\Log;
10 | use PhpOffice\PhpSpreadsheet\IOFactory;
11 |
12 |
13 |
14 |
15 |
16 |
17 |
18 |
19 |
20 |
21 |
22 |
23 |
24 |
25 |
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329 |
330 |
331 |
332 |
333 |
334 |
335 |
```

3. Submit kode untuk impementasi praktkikum 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 mengekspor 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-file-excel"></i> Export Barang</a>
```

```
8   <button onclick="modalAction('{{ url(path: '/barang/import') }}')" class="btn btn-info">Import Barang</button>
9
10  <a href="{{ url(path: '/barang/export_excel') }}" class="btn btn-primary"><i class="fa fa-file-excel"></i> Export Barang</a>
    <button onclick="modalAction('{{ url(path: '/barang/create_ajax') }}')" class="btn btn-success">Tambah Data (Ajax)</button>
```

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
```

```
163  Route::get('import', [BarangController::class, 'import']); // ajax form upload excel
164  Route::post('import_ajax', [BarangController::class, 'import_ajax']); // ajax import excel
165  //Eksport file excel data barang
166  Route::get('export_excel', [BarangController::class, 'export_excel']); //export excel
167
168  );
```

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();
239
240         // reference [0 overrides]
241         public function export_excel(): never
242         {
243             // Ambil data barang yang akan dieksport
244             $barang = BarangModel::select('kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual')
245                 ->orderBy('kategori_id')
246                 ->with('kategori')
247                 ->get();
248
249
250
251
```

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
252
253     // Load library PhpSpreadsheet
254     $spreadsheet = new Spreadsheet();
255     $sheet = $spreadsheet->getActiveSheet(); //ambil sheet yg aktif
256
257     // Set header kolom
258     $sheet->setCellValue('A1', 'No');
259     $sheet->setCellValue('B1', 'Kode Barang');
260     $sheet->setCellValue('C1', 'Nama Barang');
261     $sheet->setCellValue('D1', 'Harga Beli');
262     $sheet->setCellValue('E1', 'Harga Jual');
263     $sheet->setCellValue('F1', 'Kategori');
264
265     $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     }
265
266     // Looping isi data barang
267     $no = 1; //mulai dari nomor 1
268     $baris = 2; //data dimulai dari baris ke 2
269     foreach ($barang as $value) {
270         $sheet->setCellValue('A' . $baris, $no);
271         $sheet->setCellValue('B' . $baris, $value->barang_kode);
272         $sheet->setCellValue('C' . $baris, $value->barang_nama);
273         $sheet->setCellValue('D' . $baris, $value->harga_beli);
274         $sheet->setCellValue('E' . $baris, $value->harga_jual);
275         $sheet->setCellValue('F' . $baris, $value->kategori->kategori_nama); //ambil nama kategori
276         $baris++;
277         $no++;
278     }
279
```



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 |     }  
  
280 |     // Set auto size untuk kolom  
281 |     foreach (range(start: 'A', end: 'F') as $columnID) [  
282 |         $sheet->getColumnDimension($columnID)->setAutoSize(true);  
283 |     ]
```

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
```

```
285 |     $sheet->setTitle('Data Barang');// set title sheet  
286 |     $writer = IOFactory::createWriter($spreadsheet, 'Xlsx');  
287 |  
288 |     $filename = 'Data_Barang_'. date(format: 'Y-m-d_H-i-s') . '.xlsx'; //generate name file + with format date  
289 |  
290 |     // Set header untuk download file  
291 |     header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');  
292 |     header(header: 'Content-Disposition: attachment;filename='.$filename . ''');  
293 |     header(header: 'Cache-Control: max-age=0');  
294 |     header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT');  
295 |     header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT');  
296 |     header(header: 'Cache-Control: cache, must-revalidate');  
297 |     header(header: 'Pragma: public');  
298 |  
299 |     $writer->save('php://output');  
300 |     exit;  
301 | }  
302 | }
```

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



- Saat user mengklik button export barang, file otomatis terdownload

- Tampilan isi file data barang

A	B	C	D	E	F	G
1	No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori
2	1	ELT-001	Samsung Smart TV	3000000	3500000	Eletronik
3	2	ELT-002	Air Conditioner Sharp	4000000	4200000	Eletronik
4	3	ELT-003	Hair Dryer Dyson	4000000	4500000	Eletronik
5	4	ELT-004	Samsung Microwave Solo 20L	890000	950000	Eletronik
6	5	PKN-001	Cardigan Rajut	120000	125000	Pakaian
7	6	PKN-002	Jaket Polos	150000	155000	Pakaian
8	7	PKN-003	Vaal	400000	550000	Pakaian
9	8	PKN-004	Uniglo Rayon Blus Skipper	230000	250000	Pakaian
10	9	MKN-001	Sarden	15000	20000	Makanan
11	10	MKN-002	Selai Strawberry	15000	17000	Makanan
12	11	MKN-003	Mie Instant	3500	5000	Makanan
13	12	MKN-004	Super Bubur	7000	10000	Makanan
14	13	MNM-001	Air Mineral 1L	5000	8000	Minuman
15	14	MNM-002	Kopi Aren	12000	18000	Minuman
16	15	MNM-003	Jasmine Tea	15000	20000	Minuman
17	16	MNM-004	Energen Sachet Rasa Kurma	2500	4000	Minuman
18	17	OBT-001	Paracetamol 500mg	2500	5000	Obat-obatan
19	18	OBT-002	Vitamin C 1000mg	10000	15000	Obat-obatan
20	19	OBT-003	Antiseptik Cair 100ml	18000	25000	Obat-obatan
21	20	OBT-004	Degirol Tablet Hisap 0,25mg	7000	15000	Obat-obatan
22	21	SKC-001	Azarine Sunscreen Calm My Acne 20g	22000	35000	Skincare
23	22	SKC-002	Somethinc CERAMIC SKIN Saviour Moisturizer Gel 25ml	189000	205000	Skincare
24	23	SKC-003	Emina Water Bright Glow Gel	37000	45000	Skincare
25	24	SKC-004	Wardah Instaperfect Cushion	185000	200000	Skincare

Tugas 2 – Implementasi File Export Excel:

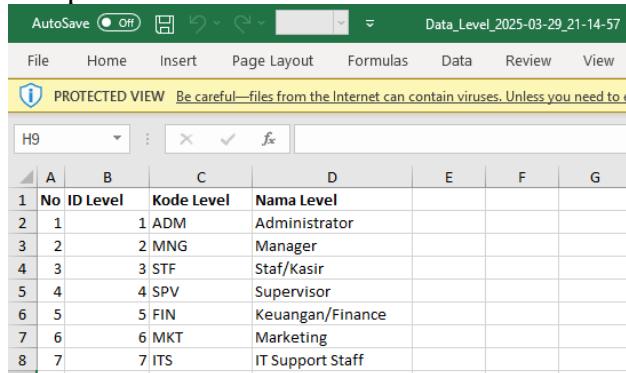
1. Silahkan implementasikan praktikum 2 pada project kalian masing-masing untuk semua menu

a. Menu Level User

- Saat user mengklik button export level, file otomatis terdownload



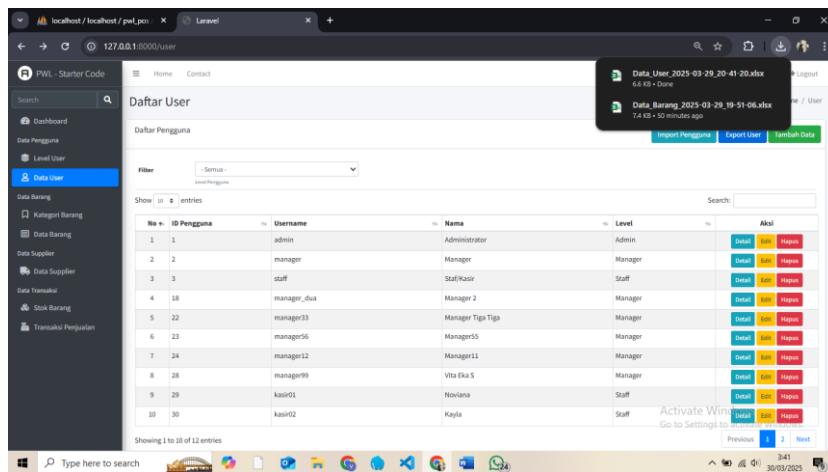
- Tampilan isi file data level



No	ID Level	Kode Level	Nama Level
1	1	ADM	Administrator
2	2	MNG	Manager
3	3	STF	Staf/Kasir
4	4	SPV	Supervisor
5	5	FIN	Keuangan/Finance
6	6	MKT	Marketing
7	7	ITS	IT Support Staff

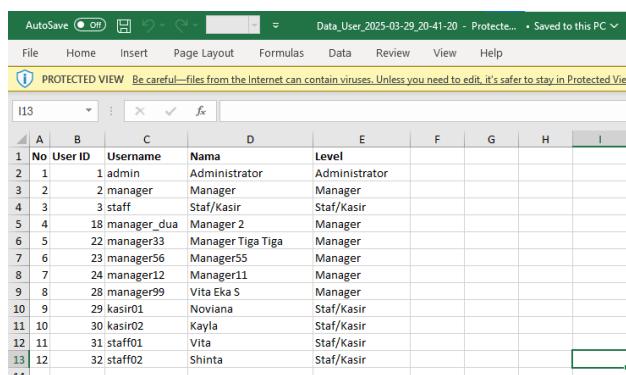
b. Menu Data User

- Saat user mengklik button export user, file otomatis terdownload



A screenshot of a web browser window titled "localhost - localhost / pwl.p..." showing a table of users. The table has columns: No, ID Pengguna, Username, Nama, and Level. At the top right, there are download buttons for "Data_User_2025-03-29_20-41-20.xlsx" (6.6 KB) and "Data_Barang_2025-03-29_19-51-06.xlsx" (7.4 KB). The browser status bar shows "341 30/03/2025".

- Tampilan isi file data user



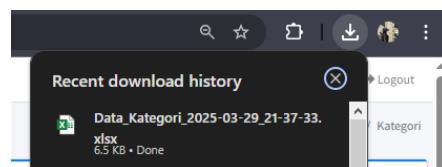
No	User ID	Username	Nama	Level
1	1	admin	Administrator	Administrator
2	2	manager	Manager	Manager
3	3	staff	Staf/Kasir	Staf/Kasir
4	4	manager_dua	Manager 2	Manager
5	5	manager33	Manager Tiga Tiga	Manager
6	23	manager56	Manager55	Manager
7	24	manager12	Manager11	Manager
8	28	manager99	Vita Eka S	Manager
9	29	kasin01	Noviana	Staff
10	30	kasin02	Kayla	Staff
11	31	staff01	Vita	Staf/Kasir
12	32	staff02	Shinta	Staf/Kasir



c. **Menu Kategori Barang**

The screenshot shows a web-based application interface for managing product categories. On the left, there is a sidebar menu with various options like Dashboard, Data Pengguna, Level User, Data User, Data Barang, and Kategori Barang (which is currently selected). The main content area is titled 'Daftar Kategori' and contains a table with 10 entries. The columns are labeled 'No', 'Kode Kategori', 'Nama Kategori', and 'Aksi'. The data includes categories such as Elektronik, Pakaian, Makanan, Minuman, Obat-obatan, Skincare, Body Care, Alat Tulis Kantor, Peralatan Rumah Tangga, and Sembako. At the top right of the table, there are buttons for 'Import Kategori', 'Export Kategori', and 'Tambah Data (Ajax)'. Below the table, there is a search bar and a message about activating Windows.

- Saat user mengklik button export kategori, file otomatis terdownload



- Tampilan isi file excel data kategori

The screenshot shows an Excel spreadsheet with the title 'Data_Kategori_2025-03-29_21-37-33.xlsx'. The spreadsheet has three columns: 'No', 'Kode Kategori', and 'Nama Kategori'. The data is identical to what was shown in the previous screenshot of the web application.

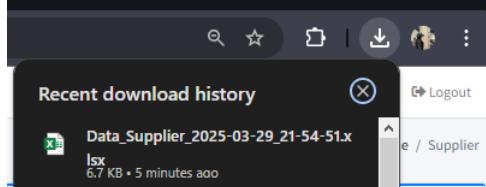
No	Kode Kategori	Nama Kategori
2	1 ELT	Elektronik
3	2 PKN	Pakaian
4	3 MKN	Makanan
5	4 MNM	Minuman
6	5 OBT	Obat-obatan
7	6 SKC	Skincare
8	7 BDC	Body Care
9	8 ATK	Alat Tulis Kantor
10	9 PRT	Peralatan Rumah Tangga
11	10 SBK	Sembako

d. **Menu Data Supplier**

The screenshot shows a web-based application interface for managing supplier data. On the left, there is a sidebar menu with various options like Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang, Data Supplier (which is currently selected), Data Transaksi, Stok Barang, and Transaksi Penjualan. The main content area is titled 'Daftar Supplier' and contains a table with 10 entries. The columns are labeled 'No', 'Kode Supplier', 'Nama Supplier', 'Alamat Supplier', and 'Aksi'. The data includes suppliers like PT Bina Makmur, PT Adiguna Jaya Sentosa, PT Illyaja Karya, PT Gemilang Abadi, PT Mitra Jaya, PT Sinar Mulia, PT Cahaya Nusantara, PT Mega Persada, PT Gunung Emas, and PT Andalas Persada. At the top right of the table, there are buttons for 'Import Supplier', 'Export Supplier', and 'Tambah Data (Ajax)'. Below the table, there is a search bar and a message about activating Windows.



- Saat user mengklik button export supplier, file otomatis terdownload



- Tampilan isi file excel data supplier

No	Kode Supplier	Nama Supplier	Alamat Supplier
2	1 SP01	PT Bina Makmur	Jl. Rafflesia 30 Surabaya
3	2 SP02	PT Adiguna Jaya Sentosa	Jl. Haji Abdul Muis No. 8, Surabaya
4	3 SP03	PT Wijaya Karya	Jl. M.T Haryono No. 1 Surabaya
5	4 SP04	PT Gemilang Abadi	Jl. Sudirman No. 20, Jakarta
6	5 SP05	PT Mitra Jaya	Jl. Basuki Rahmat No. 12, Malang
7	6 SP06	PT Sinar Mulia	Jl. Kartini No. 5, Semarang
8	7 SP07	PT Cahaya Nusantara	Jl. Asia Afrika No. 15, Bandung
9	8 SP08	PT Mega Persada	Jl. Merdeka No. 25, Bandung
10	9 SP09	PT Gunung Emas	Jl. Ahmad Dahlan No. 9, Balikpapan
11	10 SP10	PT Andalas Persada	Jl. Hasanuddin No. 6, Makassar

2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
 - a. Langkah untuk implementasi ekspor file excel :
 - ✓ Tambahkan route ekspor_file pada file web.php untuk setiap menu
 - ✓ Modifikasi file controller setiap menu dengan membuat format file excel yang diekspor
 - b. History commit dan kode program dapat dilihat pada link berikut ini :
 - ✓ Menu Level User :
<https://github.com/vitasaraswati/PWL25/commit/85ec356655587cad697a7fbe77cd93877c8eea3>
 - ✓ Menu Data User
<https://github.com/vitasaraswati/PWL25/commit/69737a0964592163bcf13087a0c5955adf1b3501>
 - ✓ Menu Kategori Barang
<https://github.com/vitasaraswati/PWL25/commit/09097262662e382f779dad03375dc8dfadb6eaaf>
 - ✓ Menu Data Supplier
<https://github.com/vitasaraswati/PWL25/commit/d26417f53ab945e9485fc54dcb3f069f73039bbb>
3. Submit kode untuk impementasi praktkikum 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
> @php artisan package:discover --ansi
INFO Discovering packages.

barryvdh/laravel-dompdf ..... DONE
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
numonaduro/collision ..... DONE
numonaduro/terwind ..... DONE
spatie/laravel-ignition ..... DONE
yajra/laravel-datatables-buttons ..... DONE
yajra/laravel-datatables-editor ..... DONE
yajra/laravel-datatables-fractal ..... DONE
yajra/laravel-datatables-html ..... DONE
yajra/laravel-datatables-oracle ..... DONE

89 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force
INFO No publishable resources for tag [laravel-assets].
```

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>
```



```
8 |         <button onclick="modalAction('{{ url(path: '/barang/import') }})" class="btn btn-info">Import Barang</button>
9 |         <a href="{{ url(path: '/barang/export_excel') }}" class="btn btn-primary"><i class="fa fa-file-excel"></i> Export Barang (.xlsx)</a>
10 |         <a href="{{ url(path: '/barang/export_pdf') }}" class="btn btn-warning"><i class="fa fa-file-pdf"></i> Export Barang (.pdf)</a>
11 |
12 |     </div>
13 |     </div>
14 |     <div class="card-body">
```

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

171 |         //Ekspor file excel data barang
172 |         Route::get("export_excel", [BarangController::class, 'export_excel']); //export excel
173 |         //Ekspor file pdf data barang
174 |         Route::get('export_pdf', [BarangController::class, 'export_pdf']); //export pdf
175 |
176 |     );
177 | );
```

5. 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');
}
```

```
14 | use Barryvdh\DomPDF\Facade\Pdf;
15 |
306 | //Ekspor file pdf
307 | 1 reference | 0 overrides
308 | public function export_pdf(): Response
309 | {
310 |     // opsional, extend waktu eksekusi export pdf
311 |     // ini_set('max_execution_time', 300);
312 |
313 |     $barang = BarangModel::select('kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual')
314 |         ->orderBy('kategori_id')
315 |         ->orderBy('barang_kode')
316 |         ->with('kategori')
317 |         ->get();
318 |
319 |     // use Barryvdh\DomPDF\Facade\Pdf;
320 |     $pdf = Pdf::loadView('barang.export_pdf', ['barang' => $barang]);
321 |     $pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi
322 |     $pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url
323 |     $pdf->render();
324 |
325 |     return $pdf->stream('Data Barang ' . date(format: 'Y-m-d H:i:s') . '.pdf');
326 | }
```

6. 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.



-
7. 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;
            max-width: 150px;
            max-height: 150px;
        }
        .text-right {
            text-align: right;
        }
    </style>
</head>
<body>
```

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



```
.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">
                <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. 101-
105, 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</h3>
    <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>
```

```
32      .text-center {
33          text-align: center;
34      }
35      .p-1 {
36          padding: 5px 1px 5px 1px;
37      }
38      .font-10 {
39          font-size: 10pt;
40      }
41      .font-11 {
42          font-size: 11pt;
43      }
44      .font-12 {
45          font-size: 12pt;
46      }
47      .font-13 {
48          font-size: 13pt;
49      }
50      .border-bottom-header {
51          border-bottom: 1px solid;
52      }
53      .border-all, .border-all th, .border-all td {
54          border: 1px solid;
55      }
56  
```

```
</style>
57 </head>
58 <body>
59     <table class="border-bottom-header">
60         <tr>
61             <td width="15%" class="text-center">
62                 {{--  --}} {{-- path gambar logo error --}}
63                 
65             <td width="85%">
66                 <span class="text-center d-block font-11 font-bold mb-1">
67                     KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
```

Selengkapnya :

https://github.com/vitasaraswati/PWL25/blob/master/Minggu8/PWL_POS/resources/views/barang/export_pdf.blade.php

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

Berikut ini merupakan tampilan halaman utama menu data barang

Jika user mengklik button Export Barang (.pdf) akan menampilkan preview file pdf seperti gambar di bawah.



LAPORAN DATA BARANG

No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori
1	ELT-001	Samsung Smart TV	3.000.000	3.500.000	Elektronik
2	ELT-002	Air Conditioner Sharp	4.000.000	4.200.000	Elektronik
3	ELT-003	Ac Drier Duct	4.000.000	4.200.000	Elektronik
4	ELT-004	Samsung Microwave Solo 20L	890.000	950.000	Elektronik
5	PKN-001	Cardigan Rajut	120.000	125.000	Pakaian
6	PKN-002	Jaket Polos	150.000	155.000	Pakaian
7	PKN-003	Blouse Polos	200.000	220.000	Pakaian
8	PKN-004	Uniqlo Rayon Blue Skipper	230.000	250.000	Pakaian
9	MKN-001	Sarden	15.000	20.000	Makanan
10	MKN-002	Selai Strawberry	15.000	17.000	Makanan
11	MKN-003	Mie Instan	3.500	5.000	Makanan
12	MKN-004	Minuman	5.000	6.000	Makanan
13	MNM-001	Air Mineral 1L	5.000	8.000	Minuman
14	MNM-002	Kopi Aroma	12.000	18.000	Minuman
15	IMNXL-001	Ismawita Tea	15.000	20.000	Minuman

Tugas 3 – Implementasi Export PDF pada Laravel :

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

a. Menu Data User

Daftar User

No	ID Pengguna	Username	Nama	Level	Aksi
1	1	admin	Administrator	Admin	[Detail] [Edit] [Hapus]
2	2	manager	Manager	Manager	[Detail] [Edit] [Hapus]
3	3	staff	Staf/Kasir	Staff	[Detail] [Edit] [Hapus]
4	18	manager_dua	Manager 2	Manager	[Detail] [Edit] [Hapus]
5	22	manager33	Manager Tiga	Manager	[Detail] [Edit] [Hapus]
6	23	manager56	Manager5	Manager	[Detail] [Edit] [Hapus]
7	24	manager12	Manager11	Manager	[Detail] [Edit] [Hapus]
8	28	manager99	Vita Eka S	Manager	[Detail] [Edit] [Hapus]
9	29	kasi01	Noviana	Staff	[Detail] [Edit] [Hapus]
10	30	kasi02	Kayla	Staff	[Detail] [Edit] [Hapus]
11	31	staff01	Vita	Staf/Kasir	[Detail] [Edit] [Hapus]
12	32	staff02	Shinta	Staf/Kasir	[Detail] [Edit] [Hapus]

Saat user mengklik button Export User (.pdf) maka hasil nya seperti di bawah ini

LAPORAN DATA USER

No	ID Pengguna	Username	Nama	Level
1	1	admin	Administrator	Administrator
2	2	manager	Manager	Manager
3	3	staff	Staf/Kasir	Staf/Kasir
4	18	manager_dua	Manager 2	Manager
5	22	manager33	Manager Tiga	Manager
6	23	manager56	Manager5	Manager
7	24	manager12	Manager11	Manager
8	28	manager99	Vita Eka S	Manager
9	29	kasi01	Noviana	Staf/Kasir
10	30	kasi02	Kayla	Staf/Kasir
11	31	staff01	Vita	Staf/Kasir
12	32	staff02	Shinta	Staf/Kasir



b. Menu Level User

The screenshot shows a table titled 'Daftar Level' with the following data:

No	Level Kode	Level Nama	Aksi
1	ADM	Administrator	[Detail] [Edit] [Hapus]
2	MNG	Manager	[Detail] [Edit] [Hapus]
3	STF	Staf/Kasir	[Detail] [Edit] [Hapus]
4	SPV	Supervisor	[Detail] [Edit] [Hapus]
5	FIN	Keuangan/Finance	[Detail] [Edit] [Hapus]
6	MKT	Marketing	[Detail] [Edit] [Hapus]
7	ITS	IT Support Staff	[Detail] [Edit] [Hapus]

Saat user mengklik button Export Level (.pdf) maka hasil nya seperti di bawah ini

The PDF document contains the following header information:

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
POLITEKNIK NEGERI MALANG
Jl. Soekarno Hatta No. 9 Malang 65141
Telepon (0341) 404424 Fax. (0341) 404420
Laman: www.polinema.ac.id

LAPORAN DATA LEVEL

No	Level Kode	Level Nama
1	ADM	Administrator
2	MNG	Manager
3	STF	Staf/Kasir
4	SPV	Supervisor
5	FIN	Keuangan/Finance
6	MKT	Marketing
7	ITS	IT Support Staff

c. Menu Data Kategori

The screenshot shows a table titled 'Daftar Kategori' with the following data:

No	Kode Kategori	Nama Kategori	Aksi
1	ELT	Elektronik	[Detail] [Edit] [Hapus]
2	PKN	Pakaian	[Detail] [Edit] [Hapus]
3	MKN	Makanan	[Detail] [Edit] [Hapus]
4	MNM	Minuman	[Detail] [Edit] [Hapus]
5	OBT	Obat-obatan	[Detail] [Edit] [Hapus]
6	SKC	Skincare	[Detail] [Edit] [Hapus]
7	BDC	Body Care	[Detail] [Edit] [Hapus]
8	ATK	Alat Tulis Kantor	[Detail] [Edit] [Hapus]
9	PRT	Peralatan Rumah Tangga	[Detail] [Edit] [Hapus]
10	SBK	Sembako	[Detail] [Edit] [Hapus]

Saat user mengklik button Export Kategori (.pdf) maka hasil nya seperti di bawah ini



No	Kode Kategori	Nama Kategori
1	ELT	Elektronik
2	PKN	Paketan
3	MKN	Makanan
4	MNM	Minuman
5	OBT	Obat-obatan
6	SKC	Skincare
7	BDC	Body Care
8	ATK	Alat Tulis Kantor
9	PRT	Peralatan Rumah Tangga
10	SBK	Sembako

d. Menu Data Supplier

No	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	SP01	PT Bina Makmur	Jl. Rafflesia 30 Surabaya	[Edit] [Hapus]
2	SP02	PT Adiguna Jaya Sentosa	Jl. Haji Abdul Muis No. 8, Surabaya	[Edit] [Hapus]
3	SP03	PT Wijaya Karya	Jl. M.T Haryono No. 1 Surabaya	[Edit] [Hapus]
4	SP04	PT Gemilang Abadi	Jl. Sudirman No. 20, Jakarta	[Edit] [Hapus]
5	SP05	PT Mitra Jaya	Jl. Basuki Rahmat No. 12, Malang	[Edit] [Hapus]
6	SP06	PT Sinar Mulia	Jl. Kartini No. 5, Semarang	[Edit] [Hapus]
7	SP07	PT Cahaya Nusantara	Jl. Asia Afrika No. 15, Bandung	[Edit] [Hapus]
8	SP08	PT Mega Persada	Jl. Merdeka No. 25, Bandung	[Edit] [Hapus]
9	SP09	PT Gunung Emas	Jl. Ahmad Dahlan No. 9, Balikpapan	[Edit] [Hapus]
10	SP10	PT Andalas Persada	Jl. Hasanuddin No. 6, Makassar	[Edit] [Hapus]

Saat user mengklik button Export Supplier (.pdf) maka hasil nya seperti di bawah ini

No	Kode Supplier	Nama Supplier	Alamat Supplier
1	SP01	PT Bina Makmur	Jl. Rafflesia 30 Surabaya
2	SP02	PT Adiguna Jaya Sentosa	Jl. Haji Abdul Muis No. 8, Surabaya
3	SP03	PT Wijaya Karya	Jl. M.T Haryono No. 1 Surabaya
4	SP04	PT Gemilang Abadi	Jl. Sudirman No. 20, Jakarta
5	SP05	PT Mitra Jaya	Jl. Basuki Rahmat No. 12, Malang
6	SP06	PT Sinar Mulia	Jl. Kartini No. 5, Semarang
7	SP07	PT Cahaya Nusantara	Jl. Asia Afrika No. 15, Bandung
8	SP08	PT Mega Persada	Jl. Merdeka No. 25, Bandung
9	SP09	PT Gunung Emas	Jl. Ahmad Dahlan No. 9, Balikpapan
10	SP10	PT Andalas Persada	Jl. Hasanuddin No. 6, Makassar



-
2. Amati dan jelaskan tiap tahapan yang kalian kerjakan, dan jabarkan dalam laporan
 3. Submit kode untuk impementasi 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
 - a. Buat migrasi database untuk add profile_photo

```
PS F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Winggu8\PWL_POS> php artisan make:migration add_profile_photo_to_m_user_table --table=m_user
INFO Migration [F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Winggu8\PWL_POS\database\migrations\2025_04_05_152032_add_profile_photo_to_m_user_table.php] created successfully.
```

- b. Lengkapi function up dan down pada file migrasi yang telah dibuat

```
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('profile_photo')->nullable()->after('level_id');
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('profile_photo');
26         });
27     }
28 };
```

- c. Tambahkan variabel fillable pada file UserModel.php

```
17 | protected $fillable = ['username', 'password', 'nama', 'level_id', 'created_at', 'updated_at', 'profile_photo']; // Mendefinisikan r
| 0 references
```

- d. Jalankan php artisan migrate

```
PS F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Winggu8\PWL_POS> php artisan migrate
INFO Running migrations...
2025_04_05_152032_add_profile_photo_to_m_user_table ..... 1,229ms DONE
```

- e. Ketik perintah php artisan storage:link

```
PS F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Winggu8\PWL_POS> php artisan storage:link
INFO The [F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Winggu8\PWL_POS\public\storage] link has been connected to [F:\= KULIAH\SEMESTER 4\3. PRAK JOBSHEET\PWL25\Winggu8\PWL_POS\storage\app\public].
```

Perintah `php artisan storage:link` berfungsi untuk membuat tautan simbolik agar file di `storage/app/public` (seperti foto profil pengguna) bisa diakses secara publik melalui browser

- f. Buat function profile dan updatePhoto pada file UserController.php

```
12 | use Illuminate\Support\Facades\Storage;
13 |
```



```
476 | // Profil user
477 | Reference [0 events]
478 | public function profile(): Factory|mixed|RedirectResponse|View
479 |
480 | {
481 |     $user = auth()->user();
482 |
483 |     if (!$user) {
484 |         return redirect(to: '/login')->with('error', 'Silahkan login terlebih dahulu');
485 |     }
486 |
487 |     $breadcrumb = (object) [
488 |         'title' => 'Profile User',
489 |         'list' => ['Home', 'Profile']
490 |     ];
491 |
492 |     $page = (object) [
493 |         'title' => 'Profil Pengguna'
494 |     ];
495 |
496 |     $activeMenu = 'profile'; // Set menu aktif
497 |
498 |     return view(view: 'user.profile', data: compact(var_name: 'user', var_names: 'breadcrumb', 'page', 'activeMenu'));
499 | }
500 |
501 | public function updatePhoto(Request $request): mixed|RedirectResponse
502 |
503 | {
504 |     // Validasi file
505 |     $request->validate([
506 |         'profile_photo' => 'required|image|mimes:jpeg,png,jpg|max:2048',
507 |     ]);
508 |
509 |     try {
510 |         // auth user yang login
511 |         $user = auth()->user();
512 |
513 |         if (!$user) {
514 |             return redirect(to: '/login')->with('error', 'Silahkan login terlebih dahulu');
515 |         }
516 |
517 |         // user id
518 |         $userId = $user->user_id;
519 |
520 |         $userModel = UserModel::find($userId);
521 |
522 |         if (!$userModel) {
523 |             return redirect(to: '/login')->with('error', 'User tidak ditemukan');
524 |         }
525 |
526 |         // hapus jika sudah ada foto profile
527 |         if ($userModel->profile_photo && file_exists($filename = storage_path(path: 'app/public/' . $userModel->profile_photo))) {
528 |             storage::disk('public')->delete($userModel->profile_photo);
529 |
530 |             // update foto profile baru
531 |             $filename = profile_ . $userId . '_' . time() . '.' . $request->profile_photo->extension();
532 |             $path = $request->profile_photo->storeAs('profiles', $filename, 'public');
533 |
534 |             // Update
535 |             UserModel::where('user_id', $userId)->update([
536 |                 'profile_photo' => $path
537 |             ]);
538 |
539 |             return redirect()->back()->with('success', 'Foto profil berhasil diperbarui');
540 |         } catch (Exception $e) {
541 |             return redirect()->back()->with('error', 'Gagal mengupload foto: ' . $e->getMessage());
542 |         }
543 |     }
544 | }
```

g. Buat file views/user/profile.blade.php

```
Mengg  PWL25 > resources > views > user > profile.blade.php
1 | @extends('layouts.template')
2 |
3 | @section('content')
4 |     <div class="card">
5 |         <div class="card-header">
6 |             <h3 class="card-title">Profile User</h3>
7 |         </div>
8 |         <div class="card-body">
9 |             <div class="row">
10 |                 <div class="col-md-4 text-center">
11 |                     
12 |                     <small>User Image</small>
13 |                     style="width: 200px; height: 200px; object-fit: cover;">
14 |                 </div>
15 |                 <div class="col-md-8">
16 |                     <form action="{{ url(path: '/user/update-photo') }}" method="post" enctype="multipart/form-data" class="mt-3">
17 |                         @csrf
18 |                         <div class="form-group">
19 |                             <div class="custom-file">
20 |                                 <input type="file" class="custom-file-input" id="profile_photo" name="profile_photo" accept="image/*"/>
21 |                                 <label class="custom-file-label" for="profile_photo">Pilih Foto</label>
22 |                             </div>
23 |                         </div>
24 |                     </form>
25 |                 </div>
26 |             </div>
27 |         </div>
28 |     </div>
```

Selengkapnya

https://github.com/vitasaraswati/PWL25/blob/c987f6d3c6f07509ae8f8a07b774cc3c5de9df46/Mingg_u8/PWL_POS/resources/views/user/profile.blade.php

h. Tambahkan route untuk halaman profile

```
41 | Route::middleware(['auth'])->group(function () void $[] //artinya semua route di dalam group ini harus login
42 | {
43 |     Route::get('/', [WelcomeController::class, 'index']);
44 |     Route::get('/profile', [UserController::class, 'profile']);
45 |     Route::post('/user/update-photo', [UserController::class, 'updatePhoto']);
46 | }
```

i. Modifikasi file views/layouts/sidebar.blade.php

```
26 |         <li> Data Pengguna </li>
27 |         <li class="nav-header">Data Pengguna</li>
28 |
29 |         <li class="nav-item">
30 |             <a href="{{ url(path: '/profile') }}" class="nav-link {{ ($activeMenu == 'profile') ? 'active' : '' }}">
31 |                 <i class="nav-icon fas fa-user"></i>
32 |                 <p>Profile</p>
33 |             </a>
34 |         </li>
35 |
36 |         <li class="nav-item">
37 |             <a href="{{ url(path: '/level') }}" class="nav-link {{ ($activeMenu == 'level') ? 'active' : '' }}">
38 |                 <i class="nav-icon fas fa-layer-group"></i>
39 |                 <p>Level User</p>
40 |             </a>
41 |         </li>
42 |     </ul>
```



j. Modifikasi file views/header/sidebar.blade.php

```
156 <!-- User profile dropdown -->
157 <div class="nav-item dropdown user-menu style="position: relative;">
158 <a href="#" class="nav-link dropdown-toggle d-flex align-items-center" data-toggle="dropdown"
159 style="padding: 0.5rem 0;*>
160 <img alt="User profile photo" />
161 <!-- User profile photo ? asset(path: 'storage/' . auth()->user()->profile_photo) : asset(path: 'img/default-profile.png') -->
162 <!-- User profile photo alt="Profile Picture" -->
163 <img alt="User profile photo" style="width: 1.25em; height: 1.25em; border-radius: 50%; object-fit: cover;" />
164 <span class="d-none d-md-inline" style="font-size: 0.875em; font-weight: 600; margin-left: 0.5em;*>
165 <span>{{ auth()->user()->name }}</span>
166 <span class="fas fa-chevron-down ml-2"></span>
167 </a>
168 </div>
169 <ul class="dropdown-menu dropdown-menu-lg dropdown-menu-right">
170 <!-- User info -->
171 <li class="user-header bg-primary">
172 <img alt="User profile photo" />
173 <!-- User profile photo ? asset(path: 'storage/' . auth()->user()->profile_photo) : asset(path: 'img/default-profile.png') -->
174 <!-- User profile photo alt="Profile Picture" -->
175 <img alt="User profile photo" style="width: 100px; height: 100px; object-fit: cover;" />
176 <p>
177 <small>{{ auth()->user()->name }}</small>
178 <small>{{ auth()->user()->level->level_name ?? 'User' }}</small>
179 </p>
180 </li>
181 <!-- Menu Footer-->
182 <li class="user-footer">
183 <a href="{{ url('auth/profile') }}" class="btn btn-default btn-flat">
184 <span class="fas fa-user mr-1"></span> Profile
185 </a>
186 <a href="#" class="btn btn-default btn-flat" data-mdb-preventDefault="true" data-mdb-onSubmit="document.getElementById('logout-form').submit();">
187 <span class="fas fa-sign-out-alt mr-1"></span> Logout
188 </a>
189 <form id="logout-form" action="{{ route('logout') }}" method="POST" style="display: none;">
190 <input type="hidden" name="csrf_token" value=" {{ csrf_token() }} " />
191 </form>
192 </li>
193 </ul>
194 </div>
```

k. Tampilan pada web browser

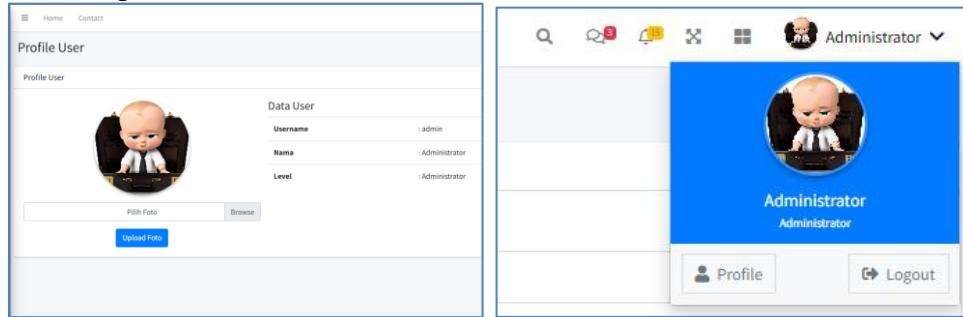
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o **Login sebagai administrator**

Saat user mengklik browse, akan di arahkan ke dalam direktori.



Setelah mengklik foto yang akan dijadikan foto profil user dapat mengklik button Upload.



1. Path juga tersimpan dalam database

	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	user_id	level_id	profile_photo	username	nama	password	created_at
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1	1	profiles/profile_1_1743870545.jpg	admin	Administrator	\$2y\$12\$/Hh.yEKKL4dUb0.av7Nc1edbBvbR0HPutPqywKGLJ...	NULL

3. Submit kode untuk implementasi pada repository github kalian.



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