



Mata Kuliah : Pemrograman Web Lanjut (PWL)
Program Studi : D4 – Sistem Informasi Bisnis
Semester : 5

Kelas : SIB
NIM : 2241760007
Nama : Anaradi Octa Lavechia
Jobsheet Ke- : 8 (delapan)

Laporan Jobsheet 08 - File Import dan Export ke PDF dan Excel pada Laravel

Praktikum Ke 1 – Implementasi Upload File untuk import data

Langkah	Jawaban/Deskripsi																																																																																																																																																																																													
1	<p>Kita buka database yang sudah kita buat sebelumnya, dan kita cek tabel m_kategori dan m_barang</p> <p>- m_kategori</p> <table border="1"><thead><tr><th></th><th>kategori_id</th><th>kategori.kode</th><th>kategori.nama</th><th>created_at</th><th>updated_at</th></tr></thead><tbody><tr><td>1</td><td>fbn</td><td>Food and Beverage</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>2</td><td>bhn</td><td>Beauty and Health</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>3</td><td>bnk</td><td>Baby and Kid</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>4</td><td>hnc</td><td>Home and Care</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>5</td><td>elk</td><td>Elektronik</td><td>NULL</td><td>NULL</td><td>NULL</td></tr></tbody></table> <p>- m_barang</p> <table border="1"><thead><tr><th></th><th>barang_id</th><th>kategori_id</th><th>barang.kode</th><th>barang.nama</th><th>harga_beli</th><th>harga_jual</th><th>created_at</th><th>updated_at</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>1</td><td>nas</td><td>Nasi</td><td>10000</td><td>12000</td><td>NULL</td><td>NULL</td></tr><tr><td>2</td><td>2</td><td>1</td><td>aym</td><td>Ayam</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>3</td><td>3</td><td>1</td><td>saw</td><td>Sawi</td><td>5000</td><td>7000</td><td>NULL</td><td>NULL</td></tr><tr><td>4</td><td>4</td><td>2</td><td>pmg</td><td>Promag</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>5</td><td>5</td><td>2</td><td>scr</td><td>Sunscreen</td><td>12000</td><td>15000</td><td>NULL</td><td>NULL</td></tr><tr><td>6</td><td>6</td><td>2</td><td>dix</td><td>Dulcolax</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>7</td><td>7</td><td>3</td><td>myt</td><td>Minyak Telon</td><td>15000</td><td>19000</td><td>NULL</td><td>NULL</td></tr><tr><td>8</td><td>8</td><td>3</td><td>pop</td><td>Popok Bayi</td><td>8000</td><td>20000</td><td>NULL</td><td>NULL</td></tr><tr><td>9</td><td>9</td><td>3</td><td>bdk</td><td>Bedak Bayi</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>10</td><td>10</td><td>4</td><td>krs</td><td>Kursi Plastik</td><td>20000</td><td>22000</td><td>NULL</td><td>NULL</td></tr><tr><td>11</td><td>11</td><td>4</td><td>pel</td><td>Pel</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>12</td><td>12</td><td>4</td><td>sap</td><td>Sapu</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>13</td><td>13</td><td>5</td><td>imp</td><td>Lampu</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>14</td><td>14</td><td>5</td><td>stk</td><td>Stop Kontak</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>15</td><td>15</td><td>5</td><td>kbl</td><td>Kabel</td><td>8000</td><td>10000</td><td>NULL</td><td>NULL</td></tr><tr><td>16</td><td>16</td><td>1</td><td>20</td><td>Jagung</td><td>5000</td><td>7000</td><td>2024-10-01 15:12:14</td><td>2024-10-01 15:12:14</td></tr></tbody></table>		kategori_id	kategori.kode	kategori.nama	created_at	updated_at	1	fbn	Food and Beverage	NULL	NULL	NULL	2	bhn	Beauty and Health	NULL	NULL	NULL	3	bnk	Baby and Kid	NULL	NULL	NULL	4	hnc	Home and Care	NULL	NULL	NULL	5	elk	Elektronik	NULL	NULL	NULL		barang_id	kategori_id	barang.kode	barang.nama	harga_beli	harga_jual	created_at	updated_at	1	1	1	nas	Nasi	10000	12000	NULL	NULL	2	2	1	aym	Ayam	8000	10000	NULL	NULL	3	3	1	saw	Sawi	5000	7000	NULL	NULL	4	4	2	pmg	Promag	8000	10000	NULL	NULL	5	5	2	scr	Sunscreen	12000	15000	NULL	NULL	6	6	2	dix	Dulcolax	8000	10000	NULL	NULL	7	7	3	myt	Minyak Telon	15000	19000	NULL	NULL	8	8	3	pop	Popok Bayi	8000	20000	NULL	NULL	9	9	3	bdk	Bedak Bayi	8000	10000	NULL	NULL	10	10	4	krs	Kursi Plastik	20000	22000	NULL	NULL	11	11	4	pel	Pel	8000	10000	NULL	NULL	12	12	4	sap	Sapu	8000	10000	NULL	NULL	13	13	5	imp	Lampu	8000	10000	NULL	NULL	14	14	5	stk	Stop Kontak	8000	10000	NULL	NULL	15	15	5	kbl	Kabel	8000	10000	NULL	NULL	16	16	1	20	Jagung	5000	7000	2024-10-01 15:12:14	2024-10-01 15:12:14
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- 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	F	G
1	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	
2	9	SBK-003	Telur Omega(10 butir)	22000	25000	
3	10	SNK-003	Sari Roti	11500	12500	
4	11	MND-003	Shampo Pantene	17500	18500	
5	12	BAY-003	Baju Bayi 2th	89000	92500	
6	13	MNM-003	Cleo600ml	3750	4300	

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

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

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



```
resources > views > barang > index.blade.php > (1 "1") > divcard > divcard-body > divfilter form-horizontal filter-dtsp-2 border-bottommb-2 > divrow > div.col-md-12 >
1 <extends('layouts.template')>
2
3 <push('js')>
4 <script>
5     function modalAction(url = '') {
6         $('#myModal').load(url, function() {
7             $('#myModal').modal('show');
8         });
9     }
10
11 var tableBarang;
12 $(document).ready(function() {
13     tableBarang = $('#table-barang').DataTable({
14         processing: true,
15         serverSide: true,
16         ajax: {
17             url: "{{ url('barang/list') }}",
18             dataType: "json",
19             type: "POST",
20             data: function (d) {
21                 d.filter_kategori = $('.filter_kategori').val();
22             }
23         },
24         columns: [
25             {
26                 data: "DT_RowIndex",
27                 className: "text-center",
28                 orderable: false,
29                 searchable: false
30             },
31             {
32                 data: "barang_kode",
33                 className: "",
34                 // width: "10%",
35                 orderable: true,
36                 searchable: true
37             },
38             {
39                 data: "barang_nama",
40                 className: "",
41                 // width: "30%",
42                 orderable: true,
43                 searchable: true
44             },
45             {
46                 data: "harga_beli",
47                 className: "",
48                 // width: "10%",
49                 orderable: true,
50                 searchable: false,
51                 render: function(data, type, row) {
52                     return new Intl.NumberFormat('id-ID').format(data);
53                 }
54             },
55             {
56                 data: "harga_jual",
57                 className: "",
58                 // width: "10%",
59                 orderable: true,
60                 searchable: false,
61                 render: function(data, type, row) {
62                     return new Intl.NumberFormat('id-ID').format(data);
63                 }
64             },
65             {
66                 data: "kategori.kategori_nama",
67                 className: "",
68                 // width: "14%",
69                 orderable: true,
70                 searchable: false
71             },
72             {
73                 data: "aksi1",
74                 className: "text-center",
75                 // width: "14%",
76                 orderable: false,
77                 searchable: false
78             }
79         ]
80     });
81
82     $('#table-barang_filter input').unbind().bind().on('keyup', function(e) {
83         if (e.keyCode == 13) { // enter key
84             tableBarang.search(this.value).draw();
85         }
86     });
87
88     $('.filter_kategori').change(function() {
89         tableBarang.draw();
90     });
91 });
92 </script>
93 </push>
```

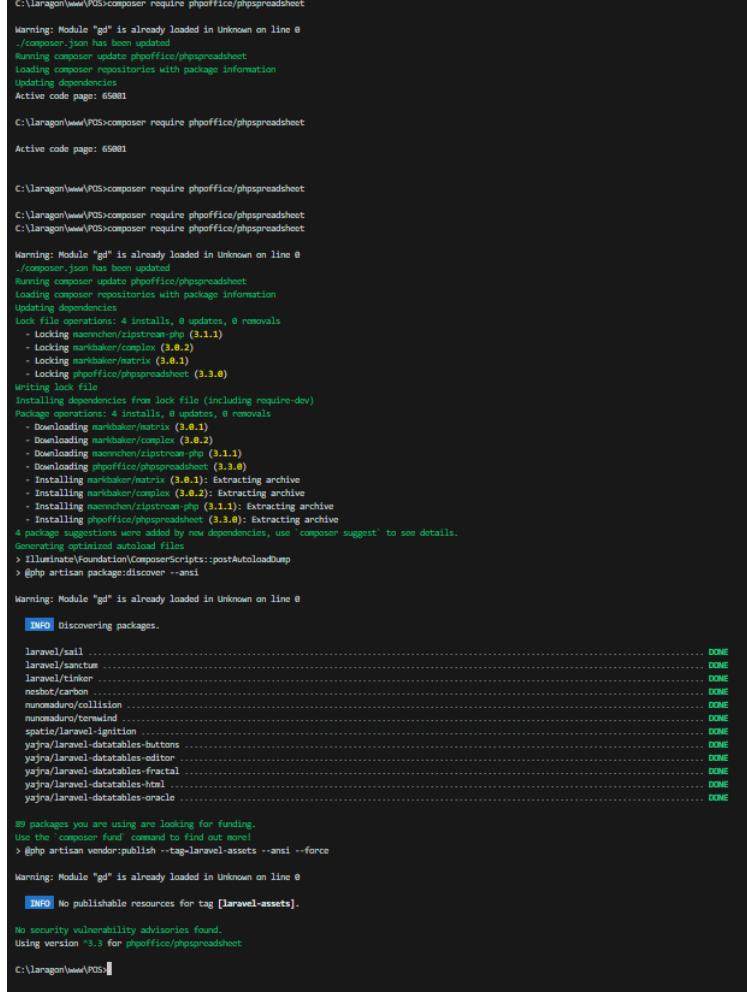


4

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](#)

```
resources > views > barang > import.blade.php > form&form-import > div#modal-master.modal-dialog.modal-lg > div.modal-content > div.modal-body > div.form-group
1  <form action="{{ url('/barang/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2    @csrf
3    <div id="modal-master" class="modal-dialog modal-lg" role="document">
4      <div class="modal-content">
5        <div class="modal-header">
6          <h5 class="modal-title" id="exampleModalLabel">Import Data Barang</h5>
7          <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8            <span aria-hidden="true">&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('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    });
88  </script>
```



5	<p>Kemudian kita modifikasi <code>route/web.php</code> untuk mengakomodir proses upload file padamenu barang</p> <pre>routes > web.php > Closure > Closure > Closure 23 Route::middleware(['auth'])->group(function () { 27 Route::middleware(['auth'])->group(function(){ 1/ 18 // TABEL BARANG 19 < Route::middleware(['authorize:ADM,MNG,STF,CUS'])->group(callback: function(): void{ 20 Route::get(Uri: '/barang', action: [BarangController::class, 'index']); //menampilkan halaman awal leelvel 21 Route::post(Uri: '/barang/list', action: [BarangController::class,'list']); //menampilkan data Barang dalam bentuk json 22 Route::get(Uri: '/barang/create', action: [BarangController::class, 'create']); // menampilkan halaman form tambah Barang 23 Route::get(Uri: '/barang/create_ajax', action: [BarangController::class, 'create_ajax']); // menampilkan halaman form tambah barang Ajax 24 Route::post(Uri: '/barang/ajax', action: [BarangController::class, 'store_ajax']); // menyimpan data barang baru Ajax 25 Route::post(Uri: '/barang', action: [BarangController::class, 'store']); // menyimpan data Barang baru 26 Route::get(Uri: '/barang/{id}/edit', action: [BarangController::class, 'edit']); // menampilkan halaman form edit barang Ajax 27 Route::put(Uri: '/barang/{id}', action: [BarangController::class, 'update']); // menyimpan perubahan data Barang 28 Route::put(Uri: '/barang/{id}/update_ajax', action: [BarangController::class, 'update_ajax']); // menyimpan perubahan data barang Ajax 29 Route::get(Uri: '/barang/{id}/delete', action: [BarangController::class, 'confirm_ajax']); // untuk tampilan form confirm delete barang Ajax 30 Route::delete(Uri: '/barang/{id}/delete_ajax', action: [BarangController::class, 'delete_ajax']); // untuk hapus data barang Ajax 31 Route::get(Uri: '/barang/import', action: [BarangController::class, 'import']); // ajax form upload excel 32 Route::post(Uri: '/barang/import_ajax', action: [BarangController::class, 'import_ajax']); // ajax form upload excel 33 Route::delete(Uri: '/barang/{id}', action: [BarangController::class, 'destroy']); // menghapus data Supplier 34 35 }); 36 }); 37);</pre>
6	<p>Untuk bisa membaca/menulis file excel, maka kita butuhkan library untuk membaca/menulis file excel. Jadi kita bisa memakai library <code>phpoffice/phpspreadsheet</code>.Kita ketikkan perintah di terminal/CMD</p> 



7

Selanjutnya kita modifikasi file BarangController.php untuk memproses data

```
app > Http > Controllers > BarangController.php > PHP > BarangController > list()
145 class BarangController extends Controller
146 {
147     public function create_ajax(): mixed|View
148     {
149         $kategori = KategoriModel::select(columns: 'kategori_id', 'kategori_nama')->get();
150         return view(view: 'barang.create_ajax')->with(key: 'kategori', value: $kategori);
151     }
152 }
153
154 1 reference | 0 overrides
155 public function store_ajax(Request $request): JsonResponse|mixed
156 {
157     // cek apakah request berupa ajax
158     if ($request->ajax() || $request->wantsJson()) {
159         $rules = [
160             'barang_kode' => 'required|numeric|unique:m_barang,barang_kode', // barang_kode harus unik dan numeric
161             'kategori_id' => 'required|numeric|max:20', // kategori_id harus diisi, numeric, dan maksimal 20 karakter
162             'barang_nama' => 'required|string|max:100', // barang_nama harus diisi dan maksimal 100 karakter
163             'harga_beli' => 'required|numeric', // harga_beli harus diisi dan berupa angka
164             'harga_jual' => 'required|numeric', // harga_jual harus diisi dan berupa angka
165         ];
166         // use Illuminate\Support\Facades\Validator;
167         $validator = Validator::make(data: $request->all(), rules: $rules);
168
169         if ($validator->fails()) {
170             return response()->json(data: [
171                 'status' => false, // response status, false: error/gagal, true: berhasil
172                 'message' => 'Validasi gagal',
173                 'msgField' => $validator->errors(), // pesan error validasi
174             ]);
175         }
176         BarangModel::create(attributes: $request->all());
177         return response()->json(data: [
178             'status' => true,
179             'message' => 'Data Kategori berhasil disimpan'
180         ]);
181     }
182     redirect(to: '/');
183 }
184
185 1 reference | 0 overrides
186 public function edit_ajax(string $id): Factory|View
187 {
188     $barang = BarangModel::find(id: $id);
189     $level = LevelModel::select(columns: 'level_id', 'level_nama')->get();
190     return view(view: 'barang.edit_ajax', data: ['barang' => $barang, 'level' => $level]);
191 }
```



```
app > Http > Controllers > BarangController.php > PHP > BarangController > store_ajax()
14 class BarangController extends Controller
15     1 reference | 0 overrides
16
17     public function update_ajax(Request $request, string $id): JsonResponse|mixed\Redirector\RedirectResponse
18     {
19         // cek apakah request dari ajax
20         if ($request->ajax() || $request->wantsJson()) {
21             $rules = [
22                 'kategori_id' => ['required', 'integer', 'exists:m_kategori,kategori_id'],
23                 'barang_kode' => ['required', 'min:1', 'max:20', 'unique:m_barang,barang_kode,' . $id . ',barang_id'],
24                 'barang_nama' => ['required', 'string', 'max:100'],
25                 'harga_beli' => ['required', 'numeric'],
26                 'harga_jual' => ['required', 'numeric'],
27             ];
28
29             $validator = Validator::make(data: $request->all(), rules: $rules);
30             if ($validator->fails()) {
31                 return response()->json(data: [
32                     'status' => false,
33                     'message' => 'Validasi gagal.',
34                     'msgField' => $validator->errors()
35                 ]);
36             }
37
38             $check = BarangModel::find(id: $id);
39             if ($check) {
40                 $check->update(attributes: $request->all());
41                 return response()->json(data: [
42                     'status' => true,
43                     'message' => 'Data berhasil diupdate'
44                 ]);
45             } else {
46                 return response()->json(data: [
47                     'status' => false,
48                     'message' => 'Data tidak ditemukan'
49                 ]);
50             }
51         }
52
53         // Fungsi untuk mengonfirmasi penghapusan barang melalui Ajax
54         1 reference | 0 overrides
55         public function confirm_ajax(string $id): Factory|View
56         {
57             $barang = BarangModel::find(id: $id);
58             return view(view: 'barang.confirm_ajax', data: ['barang' => $barang]);
59         }
60     }
```

```
app > Http > Controllers > BarangController.php > PHP > BarangController > update_ajax()
14 class BarangController extends Controller
15     1 reference | 0 overrides
16
17     public function delete_ajax(Request $request, $id): JsonResponse|mixed\Redirector\RedirectResponse
18     {
19         // Fungsi untuk menghapus barang melalui Ajax
20         1 reference | 0 overrides
21         public function delete_ajax(Request $request, $id): JsonResponse|mixed\Redirector\RedirectResponse
22         {
23             // Cek apakah request berasal dari Ajax atau request JSON
24             if ($request->ajax() || $request->wantsJson()) {
25                 $barang = BarangModel::find(id: $id);
26                 if ($barang) {
27                     $barang->delete();
28                     return response()->json(data: [
29                         'status' => true,
30                         'message' => 'Data berhasil dihapus'
31                     ]);
32                 } else {
33                     return response()->json(data: [
34                         'status' => false,
35                         'message' => 'Data tidak ditemukan'
36                     ]);
37                 }
38             }
39             return redirect(to: '/');
40         }
41     }
```



```
app > Http > Controllers > BarangController.php > PHP > BarangController > import_ajax()
14 class BarangController extends Controller
15
16     1 reference | 0 overrides
17     public function import(): Factory|View
18     {
19         return view(view: 'barang.import');
20     }
21
22     1 reference | 0 overrides
23     public function import_ajax(Request $request): JsonResponse|mixed
24     {
25         if ($request->ajax() || $request->wantsJson()) {
26             $rules = [
27                 'file_barang' => ['required', 'mimes:xlsx', 'max:1024'],
28             ];
29
30             $validator = Validator::make(data: $request->all(), rules: $rules);
31             if ($validator->fails()) {
32                 return response()->json(data: [
33                     'status' => false,
34                     'message' => 'Validasi Gagal',
35                     'msgField' => $validator->errors()
36                 ]);
37             }
38
39             $file = $request->file(key: 'file_barang'); // ambil file dari request
40             $reader = IOFactory::createReader('Xlsx'); //load reader file excel
41             $reader->setReadDataOnly(true); // membaca data
42             $spreadsheet = $reader->load($file->getRealPath()); // load file excel
43             $sheet = $spreadsheet->getActiveSheet(); // mengambil sheet aktif
44             $data = $sheet->toArray(null, false, true, true); //ambil data excel
45
46             $insert = [];
47             if (count(value: $data) > 1) {
48                 foreach ($data as $baris => $value) {
49                     if ($baris > 1) {
50                         $insert[] = [
51                             'kategori_id' => $value['A'],
52                             'barang_kode' => $value['B'],
53                             'barang_nama' => $value['C'],
54                             'harga_beli' => $value['D'],
55                             'harga_jual' => $value['E'],
56                             'created_at' => now(),
57                         ];
58                     }
59                 }
60             }
61
62             if (count(value: $insert) > 0) {
63                 BarangModel::insertOrIgnore(values: $insert);
64             }
65
66             return response()->json(data: [
67                 'status' => true,
68                 'message' => 'Data berhasil diimport'
69             ]);
70         } else {
71             return response()->json(data: [
72                 'status' => false,
73                 'message' => 'Tidak ada data yang diimport'
74             ]);
75         }
76     }
77
78     return redirect(to: '/');    Unreachable code detected
79
80 }
```



8

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

The screenshots illustrate the process of importing data into the 'Data Barang' table:

- Screenshot 1:** Shows the 'Data Barang' table with 7 rows of sample data. The table columns are: No., Kode Barang, Nama Barang, Harga Beli, Harga Jual, Kategori, and Aksi.
- Screenshot 2:** Shows the 'Import Data Barang' modal dialog. It includes a 'Download Template' button, a 'Pilih File' input field containing 'template_barang.xlsx', and 'Upload' and 'Batal' buttons.
- Screenshot 3:** Shows a success message 'Berhasil' (Successful) with the text 'Data berhasil diimport' (Data imported successfully). The background shows the 'Data Barang' table with 9 rows of data, including the newly imported items.



Showing 11 to 20 of 21 entries	
Search:	
9	Kita upload template data yang sudah kita siapkan, dan amati apa yang terjadi.

Tugas 1 – Implementasi File Upload untuk Import Data di semua Menu

A. Tabel m_level

Langkah	Jawaban/Deskripsi																																																
1	<p>Pertama, sebelum membuat data baru pastikan mengecek database m_level untuk mengetahui kolom apa saja yang dibutuhkan untuk diisi datanya.</p> <table border="1"><thead><tr><th></th><th>level_id</th><th>level_kode</th><th>level_nama</th><th>created_at</th><th>updated_at</th></tr></thead><tbody><tr><td>1</td><td>ADM</td><td>Administrator</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>2</td><td>MNG</td><td>Manager</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>3</td><td>STF</td><td>Staff/Kasir</td><td>NULL</td><td>NULL</td><td>NULL</td></tr><tr><td>4</td><td>CUS</td><td>Pelanggan</td><td>2024-09-14 06:00:31</td><td>NULL</td><td>NULL</td></tr><tr><td>7</td><td>DRK</td><td>Direktur</td><td>2024-10-04 06:24:07</td><td>2024-10-04 06:24:07</td><td></td></tr><tr><td>8</td><td>CLT</td><td>Client</td><td>2024-10-21 01:37:18</td><td>NULL</td><td></td></tr></tbody></table> <p>Membuat file excel untuk diimport data levelnya nanti dengan isi berikut ini.</p> <table border="1"><thead><tr><th>level_id</th><th>level_kode</th><th>level_nama</th></tr></thead><tbody><tr><td>8</td><td>CLT</td><td>Client</td></tr></tbody></table>		level_id	level_kode	level_nama	created_at	updated_at	1	ADM	Administrator	NULL	NULL	NULL	2	MNG	Manager	NULL	NULL	NULL	3	STF	Staff/Kasir	NULL	NULL	NULL	4	CUS	Pelanggan	2024-09-14 06:00:31	NULL	NULL	7	DRK	Direktur	2024-10-04 06:24:07	2024-10-04 06:24:07		8	CLT	Client	2024-10-21 01:37:18	NULL		level_id	level_kode	level_nama	8	CLT	Client
	level_id	level_kode	level_nama	created_at	updated_at																																												
1	ADM	Administrator	NULL	NULL	NULL																																												
2	MNG	Manager	NULL	NULL	NULL																																												
3	STF	Staff/Kasir	NULL	NULL	NULL																																												
4	CUS	Pelanggan	2024-09-14 06:00:31	NULL	NULL																																												
7	DRK	Direktur	2024-10-04 06:24:07	2024-10-04 06:24:07																																													
8	CLT	Client	2024-10-21 01:37:18	NULL																																													
level_id	level_kode	level_nama																																															
8	CLT	Client																																															



2	<p>Selanjutnya kita modifikasi view pada level/index.blade.php untuk bisa menambahkan tombol menambah form untuk upload untuk import data level</p> <pre>resources > views > level > index.blade.php > () ~1 > div.card.card-outline.card-primary > div.card-header > div.card-tools > button.btn.btn-info 1 @extends('layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <button onclick="modalAction('{{ url('/level/import') }}')" class="btn btn-info">Import Level</button> 10 Tambah 11 <button onclick="modalAction('{{ url('/level/create_ajax') }}')" class="btn btn-sm btn-success mt-1">Tambah Ajax</button> 12 </div> 13 </div></pre>
3	<p>Selanjutnya kita buat view untuk form upload/import file excel dan download file. Yang diberi nama file dengan nama level/import.blade.php</p> <pre>resources > views > level > import.blade.php > ... 1 <form action="{{ url('/level/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data"> 2 @csrf 3 <div id="modal-master" class="modal-dialog modal-lg" role="document"> 4 <div class="modal-content"> 5 <div class="modal-header"> 6 <h5 class="modal-title" id="exampleModalLabel">Import Data Level</h5> 7 <button type="button" class="close" data-dismiss="modal" aria-label="Close"> 8 &times; 9 </button> 10 </div> 11 <div class="modal-body"> 12 <div class="form-group"> 13 <label>Download Template</label> 14 15 <i class="fa fa-file-excel"></i> Download 16 17 <small id="error-level_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> 31 </form></pre>



	<pre>resources > views > level > import.blade.php > form#form-import > div#modal-master.modal-dialog.modal-lg > div.modal-content > div.modal-body > script 31 </script> 32 <script> 33 \$(document).ready(function() { 34 \$("#form-import").validate({ 35 rules: { 36 file_level: { 37 required: true, 38 extension: "xlsx" 39 } 40 }, 41 submitHandler: function(form) { 42 var formData = new FormData(form); // Jadikan form ke FormData untuk menghandle file 43 44 \$.ajax({ 45 url: form.action, 46 type: form.method, 47 data: formData, // Data yang dikirim berupa FormData 48 processData: false, // setting processData dan contentType ke false, untuk menghandle file 49 contentType: false, 50 success: function(response) { 51 if(response.status){ // jika sukses 52 \$("#myModal").modal('hide'); 53 Swal.fire({ 54 icon: 'success', 55 title: 'Berhasil', 56 text: response.message 57 }); 58 tableLevel.ajax.reload(); // reload datatable 59 } else { // jika error 60 \$('.error-text').text(''); 61 \$.each(response.msgField, function(prefix, val) { 62 \$('#error-' + prefix).text(val[0]); 63 }); 64 Swal.fire({ 65 icon: 'error', 66 title: 'Terjadi Kesalahan', 67 text: response.message 68 }); 69 } 70 }); 71 return false; 72 }, 73 errorElement: 'span', 74 errorPlacement: function(error, element) { 75 error.addClass('invalid-feedback'); 76 element.closest('.form-group').append(error); 77 }, 78 highlight: function(element, errorClass, validClass) { 79 \$(element).addClass('is-invalid'); 80 }, 81 unhighlight: function(element, errorClass, validClass) { 82 \$(element).removeClass('is-invalid'); 83 } 84 }); 85 }); 86 </script></pre>
4	Kemudian modifikasi route/web.php untuk mengakomodir proses upload file pada menu level

```
routes > web.php > Closure > Closure
23 Route::middleware(['auth'])->group(callback: function (): void {
27     Route::middleware(['auth'])->group(callback: function(): void{
49 //untuk M_LEVEL
50     Route::middleware(['authorize:ADM'])->group(callback: function(): void{ //semua route harus punya role adm baru bisa akses
51         Route::get(uri: '/level', action: [LevelController::class, 'index']); //menampilkan halaman awal level
52         Route::post(uri: '/level/list',action: [LevelController::class,'list']); //menampilkan data level dalam bentuk json
53         Route::get(uri: '/level/create', action: [LevelController::class, 'create']); // menampilkan halaman form tambah level
54         Route::get(uri: '/level/create_ajax', action: [LevelController::class, 'create_ajax']); //menampilkan halaman form tambah user Ajax
55         Route::post(uri: '/level/ajax', action: [LevelController::class, 'store_ajax']); // Menyimpan data user baru Ajax
56         Route::post(uri: '/level', action: [LevelController::class, 'store']); // menyimpan data level baru
57         Route::get(uri: '/level/{id}/edit', action: [LevelController::class, 'edit']); // menampilkan halaman form edit level
58         Route::put(uri: '/level/{id}', action: [LevelController::class, 'update']); // menyimpan perubahan data level
59         Route::get(uri: '/level/{id}/edit_ajax', action: [LevelController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax
60         Route::put(uri: '/level/{id}/update_ajax', action: [LevelController::class, 'update_ajax']); //menyimpan halaman form edit user ajax
61         Route::get(uri: '/level/{id}/delete_ajax', action: [LevelController::class, 'confirm_ajax']); //tampil form confirm delete user ajax
62         Route::delete(uri: '/level/{id}/delete_ajax', action: [LevelController::class, 'delete_ajax']); //hapus data user
63         Route::get(uri: '/level/import', action: [LevelController::class, 'import']); //ajax form upload excel
64         Route::post(uri: '/level/import_ajax', action: [LevelController::class, 'import_ajax']); //ajax form upload excel
65         Route::delete(uri: '/level/{id}', action: [LevelController::class, 'destroy']); // menghapus data level
66     });
});
```



5

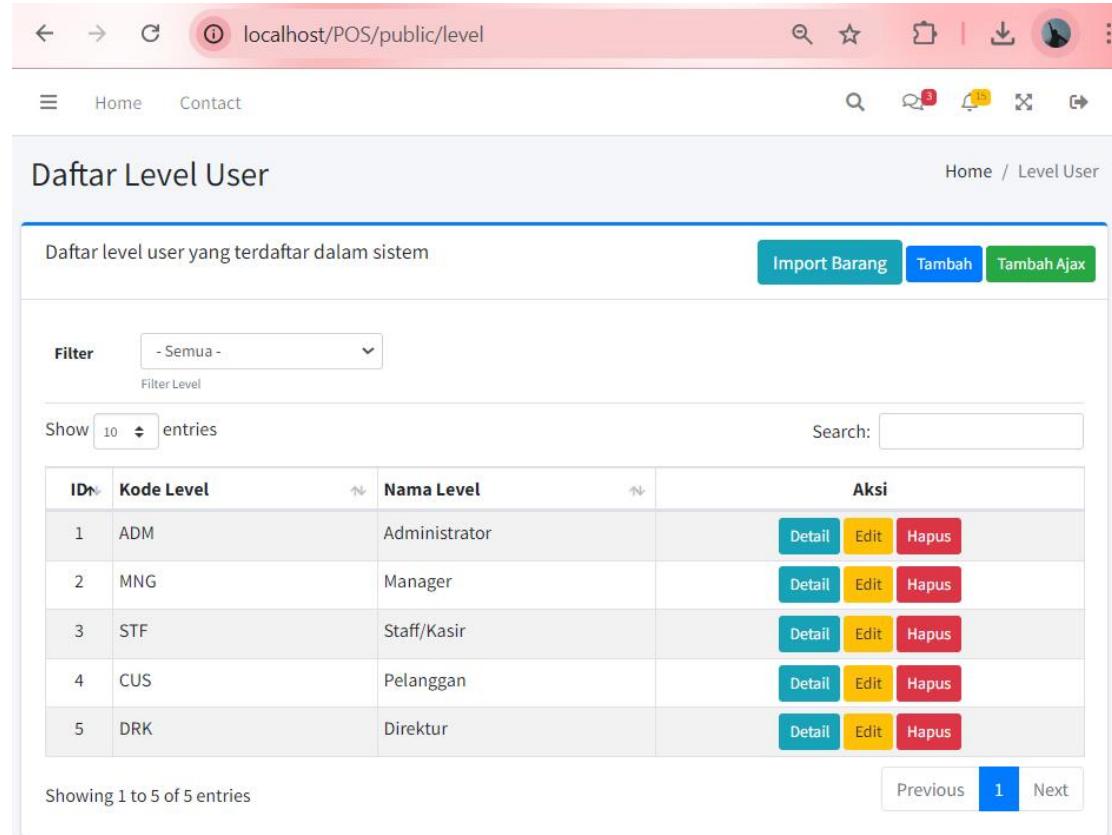
Selanjutnya modifikasi file Controller nya dengan menambahkan function import dan import_ajax untuk memproses data sebagai berikut.

```
app > Http > Controllers > LevelController.php > PHP Intelephense > LevelController > import_ajax
12  class LevelController extends Controller
...
279 // Import Levels from Excel
280 // 1 reference | 0 overrides
281 public function import(Request $request): mixed|RedirectResponse
282 {
283     $file = $request->file('file');
284     $spreadsheet = IOFactory::load($file->getRealPath());
285     $sheetData = $spreadsheet->getActiveSheet()->toArray(null, true, true, true);
286
287     foreach ($sheetData as $row) {
288         LevelModel::create(attributes: [
289             'level_kode' -> $row['A'],
290             'level_nama' -> $row['B']
291         ]);
292     }
293
294     return redirect(to: '/level')->with(key: 'success', value: 'Data level berhasil diimport');
295
296 // 1 reference | 0 overrides
297 public function import_ajax(Request $request): JsonResponse|mixed|Redirector\RedirectRes...
298 {
299     // cek apakah request berupa ajax
300     if ($request->ajax() || $request->wantsJson()) {
301         // Validasi file yang diupload harus berupa Excel
302         $rules = [
303             'file' -> 'required|mimes:xls,xlsx'
304         ];
305         $validator = Validator::make(data: $request->all(), rules: $rules);
306
307         if ($validator->fails()) {
308             return response()->json(data: [
309                 'status' -> false,
310                 'message' -> 'Validasi gagal.',
311                 'msgField' -> $validator->errors()
312             ]);
313         }
314
315         // Proses file Excel
316         try {
317             $file = $request->file('file');
318             $spreadsheet = IOFactory::load($file->getPathName());
319             $sheetData = $spreadsheet->getActiveSheet()->toArray(null, true, true, true);
320
321             foreach ($sheetData as $key -> $value) {
322                 // Lewati baris pertama (header)
323                 if ($key == 1) {
324                     continue;
325                 }
326
327                 // Buat atau update data level
328                 LevelModel::updateOrCreate(
329                     attributes: ['level_kode' -> $value['A']], // Kolom A untuk level_kode
330                     values: ['level_nama' -> $value['B']] // Kolom B untuk level_nama
331                 );
332             }
333
334             return response()->json(data: [
335                 'status' -> true,
336                 'message' -> 'Data level berhasil diimport.'
337             ]);
338         } catch (\Exception $e) {
339             return response()->json(data: [
340                 'status' -> false,
341                 'message' -> 'Gagal mengimport data: ' . $e->getMessage()
342             ]);
343         }
344     }
345
346 }
```

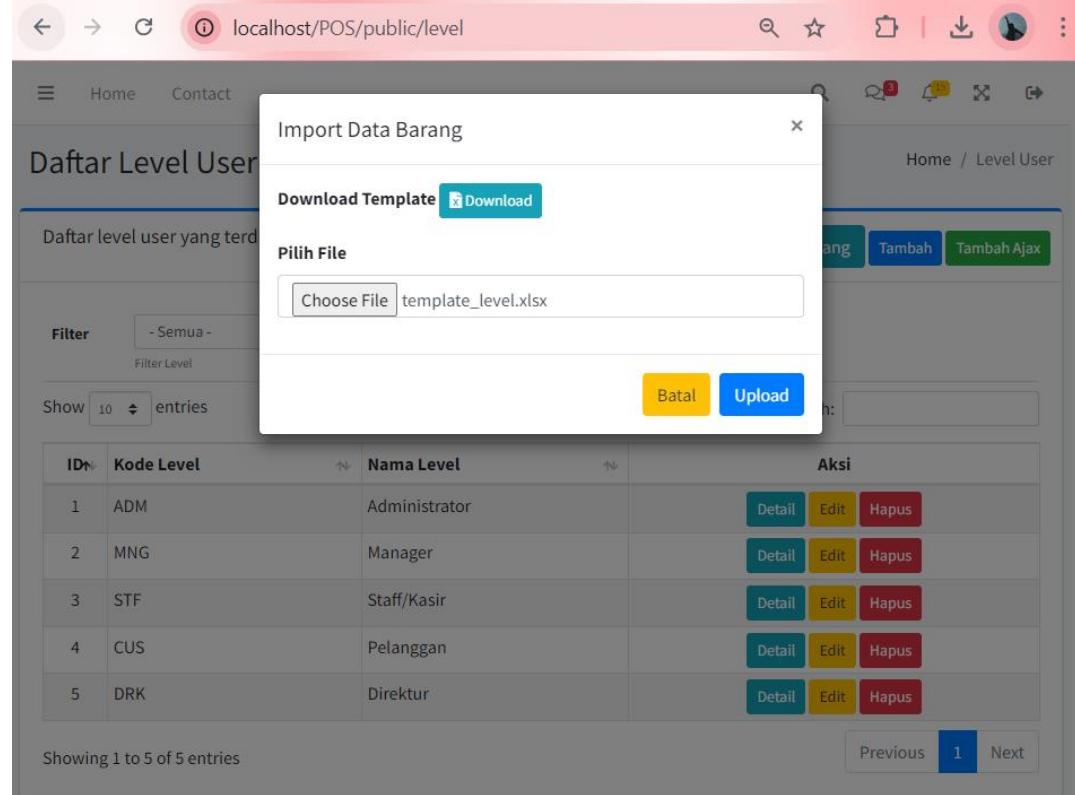


6

Berikut adalah tampilan import data pada menu level



ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator	[Detail] [Edit] [Hapus]
2	MNG	Manager	[Detail] [Edit] [Hapus]
3	STF	Staff/Kasir	[Detail] [Edit] [Hapus]
4	CUS	Pelanggan	[Detail] [Edit] [Hapus]
5	DRK	Direktur	[Detail] [Edit] [Hapus]





The screenshot shows a modal dialog box with a red 'X' icon and the text "Terjadi Kesalahan" (An error occurred) followed by "Validasi gagal." (Validation failed). The background shows a table of user levels and a file upload interface.

ID	Kode Level
1	ADM
2	MNG
3	STF
4	CUS
5	DRK

Jika isi data dan format data tidak sesuai maka akan gagal seperti di atas. Namun, jika sudah sesuai maka akan berhasil begini.

The screenshot shows a modal dialog box with a green checkmark icon and the text "Berhasil" (Successful) followed by "Data berhasil diimport" (Data imported successfully). The background shows a table of user levels and a file upload interface.

ID	Kode Level
1	ADM
2	MNG
3	STF
4	CUS
5	DRK



7

Berikut tampilan akhir setelah pengimportan data terjadi penambahan data.

Daftar Level User

Daftar level user yang terdaftar dalam sistem

Filter - Semua - Filter Level

Show 10 entries Search:

ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator	[Detail] [Edit] [Hapus]
2	MNG	Manager	[Detail] [Edit] [Hapus]
3	STF	Staff/Kasir	[Detail] [Edit] [Hapus]
4	CUS	Pelanggan	[Detail] [Edit] [Hapus]
5	DRK	Direktur	[Detail] [Edit] [Hapus]
6	CLT	Client	[Detail] [Edit] [Hapus]

Showing 1 to 6 of 6 entries

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Version 3.2.0

B. Tabel m_user

Langkah	Jawaban/Deskripsi																																																																																																																																	
1	<p>Pertama, sebelum membuat data baru pastikan mengecek database m_user untuk mengetahui kolom apa saja yang dibutuhkan untuk diisi datanya.</p> <table border="1"><thead><tr><th>user_id</th><th>level_id</th><th>username</th><th>nama</th><th>password</th><th>created_at</th><th>updated_at</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>admin</td><td>Administrator</td><td>\$2y\$12\$yT2ENG8nFrIUZLMxaj7EAe.o9/EoNppHPDZPNzLjml...</td><td>NULL</td><td>2024-10-12 14:46:37</td></tr><tr><td>2</td><td>2</td><td>manager</td><td>Manager</td><td>\$2y\$12\$SeFpeouVjEX4zgpawMeSteu4TNGf9VKXBseQOGkleSU...</td><td>NULL</td><td>NULL</td></tr><tr><td>3</td><td>3</td><td>staff</td><td>Staff/Kasir</td><td>\$2y\$12\$t/C5/dCoP4CYr7B/Jkmnu0.012C1Vwic1oUDY42yel...</td><td>NULL</td><td>NULL</td></tr><tr><td>14</td><td>4</td><td>customer-1</td><td>Pelanggan Pertama</td><td>\$2y\$12\$0a0Wup0Kxg1BTi5VrRP19en82.r5ligK1c1kzyfK8...</td><td>NULL</td><td>2024-09-14 07:22:03</td></tr><tr><td>15</td><td>2</td><td>manager_dua</td><td>Manager 2</td><td>\$2y\$12\$3MSFk4gJho2o675OJF4we7wcaRfZnkGLlkUbuiz0we...</td><td>2024-09-18 09:02:37</td><td>2024-09-18 09:02:37</td></tr><tr><td>16</td><td>2</td><td>manager33</td><td>Manager Tiga Tiga</td><td>\$2y\$12\$69Xn5NUUguNTz2ai9gJglOvwdxYOcbujyUnmr3.7G1Q...</td><td>2024-09-19 13:44:44</td><td>2024-09-19 13:44:44</td></tr><tr><td>17</td><td>2</td><td>manager56</td><td>Manager55</td><td>\$2y\$12\$xbNHPPhrm09jdTxQE40gnyOLoziGIBOYssWqa5zi0.1Y...</td><td>2024-09-19 14:04:12</td><td>2024-09-19 14:04:12</td></tr><tr><td>18</td><td>2</td><td>manager12</td><td>Manager11</td><td>\$2y\$12\$1gJLzJ1ISFdimp3OSpV4OMvazSHHS0zK921nYK.sp...</td><td>2024-09-19 14:16:20</td><td>2024-09-19 14:16:20</td></tr><tr><td>23</td><td>4</td><td>Pelanggan0</td><td>Pelanggan</td><td>\$2y\$12\$DC63aoBcVj.yrVTJ1qmBuE4OMSmjn1l48m4iu70C1...</td><td>2024-10-03 23:36:38</td><td>2024-10-12 12:16:27</td></tr><tr><td>38</td><td>3</td><td>Staff2</td><td>Staff Ahli</td><td>\$2y\$12\$TA39VRvfieLKA3Q71gGvxelbvHiYaqE5f74ZEeggeC4...</td><td>2024-10-04 04:57:55</td><td>2024-10-12 12:17:26</td></tr><tr><td>44</td><td>3</td><td>Staff3</td><td>Staff Utama</td><td>\$2y\$12\$mSe9V92UQ0YBW2jNPjaeOxf/zkVVYFx5X3Af37kJaP...</td><td>2024-10-13 15:52:18</td><td>2024-10-13 15:52:18</td></tr></tbody></table> <p>Membuat file excel untuk diimport data usernya nanti dengan isi berikut ini.</p> <table border="1"><thead><tr><th>C5</th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th><th>G</th><th>H</th></tr><tr><th>1</th><th>level_id</th><th>username</th><th>nama</th><th>password</th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td>2</td><td>3</td><td>Staff4</td><td>Staff Pembantu</td><td>123456</td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>2</td><td>manager4</td><td>Manager Keempat</td><td>234567</td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	user_id	level_id	username	nama	password	created_at	updated_at	1	1	admin	Administrator	\$2y\$12\$yT2ENG8nFrIUZLMxaj7EAe.o9/EoNppHPDZPNzLjml...	NULL	2024-10-12 14:46:37	2	2	manager	Manager	\$2y\$12\$SeFpeouVjEX4zgpawMeSteu4TNGf9VKXBseQOGkleSU...	NULL	NULL	3	3	staff	Staff/Kasir	\$2y\$12\$t/C5/dCoP4CYr7B/Jkmnu0.012C1Vwic1oUDY42yel...	NULL	NULL	14	4	customer-1	Pelanggan Pertama	\$2y\$12\$0a0Wup0Kxg1BTi5VrRP19en82.r5ligK1c1kzyfK8...	NULL	2024-09-14 07:22:03	15	2	manager_dua	Manager 2	\$2y\$12\$3MSFk4gJho2o675OJF4we7wcaRfZnkGLlkUbuiz0we...	2024-09-18 09:02:37	2024-09-18 09:02:37	16	2	manager33	Manager Tiga Tiga	\$2y\$12\$69Xn5NUUguNTz2ai9gJglOvwdxYOcbujyUnmr3.7G1Q...	2024-09-19 13:44:44	2024-09-19 13:44:44	17	2	manager56	Manager55	\$2y\$12\$xbNHPPhrm09jdTxQE40gnyOLoziGIBOYssWqa5zi0.1Y...	2024-09-19 14:04:12	2024-09-19 14:04:12	18	2	manager12	Manager11	\$2y\$12\$1gJLzJ1ISFdimp3OSpV4OMvazSHHS0zK921nYK.sp...	2024-09-19 14:16:20	2024-09-19 14:16:20	23	4	Pelanggan0	Pelanggan	\$2y\$12\$DC63aoBcVj.yrVTJ1qmBuE4OMSmjn1l48m4iu70C1...	2024-10-03 23:36:38	2024-10-12 12:16:27	38	3	Staff2	Staff Ahli	\$2y\$12\$TA39VRvfieLKA3Q71gGvxelbvHiYaqE5f74ZEeggeC4...	2024-10-04 04:57:55	2024-10-12 12:17:26	44	3	Staff3	Staff Utama	\$2y\$12\$mSe9V92UQ0YBW2jNPjaeOxf/zkVVYFx5X3Af37kJaP...	2024-10-13 15:52:18	2024-10-13 15:52:18	C5	A	B	C	D	E	F	G	H	1	level_id	username	nama	password					2	3	Staff4	Staff Pembantu	123456					3	2	manager4	Manager Keempat	234567					4								
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2	Selanjutnya kita modifikasi view pada user/index.blade.php untuk bisa menambahkan tombol menambah form untuk upload untuk import data barang
3	Selanjutnya kita buat view untuk form upload/import file excel dan download file. Yang diberi nama file dengan nama user/import.blade.php

```
resources > views > user > index.blade.php > ...
1  @extends('layouts.template')
2  @section('content')
3      <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static"
4          data-keyboard="false" data-width="75%" aria-hidden="true"></div>
5      <div class="card card-outline card-primary">
6          <div class="card-header">
7              <h3 class="card-title">{{ $page->title }}</h3>
8              <div class="card-tools">
9                  <button onclick="modalAction('{{ url('/user/import') }}'" class="btn btn-info">Import Data User</button>
10                 <a class="btn btn-sm btn-primary mt-1" href="{{ url('user/create') }}">Tambah</a>
11                 <button onclick="modalAction('{{ url('user/create_ajax') }}'" class="btn btn-success mt-1">Tambah Ajax</button>
12             </div>
13         </div>
```

```
resources > views > user > import.blade.php > ...
1  <form action="{{ url('/user/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data">
2      @csrf
3      <div id="modal-master" class="modal-dialog modal-lg" role="document">
4          <div class="modal-content">
5              <div class="modal-header">
6                  <h5 class="modal-title" id="exampleModalLabel">Import Data User</h5>
7                  <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8                      <span aria-hidden="true">&times;</span>
9                  </button>
10             </div>
11             <div class="modal-body">
12                 <div class="form-group">
13                     <label>Download Template</label>
14                     <a href="{{ asset('data_user.xlsx') }}" class="btn btn-info btn-sm" download>
15                         <i class="fa fa-file-excel"></i> Download
16                     </a>
17                     <small id="error-level_id" class="error-text form-text text-danger"></small>
18                 </div>
19                 <div class="form-group">
20                     <label>Pilih File</label>
21                     <input type="file" name="file_user" id="file_user" class="form-control" required>
22                     <small id="error-file_user" class="error-text form-text text-danger"></small>
23                 </div>
24             </div>
25             <div class="modal-footer">
26                 <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>
27                 <button type="submit" class="btn btn-primary">Upload</button>
28             </div>
29         </div>
30     </div>
31     <script>
32         $(document).ready(function() {
33             $('#form-import').validate({
34                 rules: {
35                     file_user: {
36                         required: true,
37                         extension: "xlsx"
38                     }
39                 },
40                 submitHandler: function(form) {
41                     var formData = new FormData(form); // Jadikan form ke FormData untuk menghandle file
42                 }
43             });
44         });
45     </script>
46 
```



	<pre>resources > views > user > import.blade.php > form#form-import > div#modal-master.modal-dialog.modal-lg > div.modal-content > div.modal-footer > button.btn.btn-primary 32 <script> 33 \$(document).ready(function() { 41 submitHandler: function(form) { 44 \$.ajax({ 45 url: form.action, 46 type: form.method, 47 data: formData, // Data yang dikirim berupa FormData 48 processData: false, // setting processData dan contentType ke false, untuk menghandle file 49 contentType: false, 50 success: function(response) { 51 if(response.status){ // jika sukses 52 \$('#myModal').modal('hide'); 53 Swal.fire({ 54 icon: 'success', 55 title: 'Berhasil', 56 text: response.message 57 }); 58 dataUser.ajax.reload(); // reload datatable 59 } else { // jika error 60 \$('.error-text').text(''); 61 \$.each(response.msgField, function(prefix, val) { 62 \$('#'+prefix).text(val[0]); 63 }); 64 Swal.fire({ 65 icon: 'error', 66 title: 'Terjadi Kesalahan', 67 text: response.message 68 }); 69 } 70 }); 71 }); 72 return false; 73 }, 74 errorElement: 'span', 75 errorPlacement: function(error, element) { 76 error.addClass('invalid-feedback'); 77 element.closest('.form-group').append(error); 78 }, 79 highlight: function(element, errorClass, validClass) { 80 \$(element).addClass('is-invalid'); 81 }, 82 unhighlight: function(element, errorClass, validClass) { 83 \$(element).removeClass('is-invalid'); 84 } 85 }); 86 }); 87 </script></pre>
4	Kemudian modifikasi <code>route/web.php</code> untuk mengakomodir proses upload file pada menu user
5	Selanjutnya modifikasi file Controller nya dengan menambahkan function <code>import</code> dan <code>import_ajax</code> untuk memproses data sebagai berikut.



```
app > Http > Controllers > UserController.php > PHP Intellisense > UserController > Import_ajax
  5 | use App\Models\User;
  6 | use App\Models\LevelModel;
  7 | use App\Models\UserModel;
  8 | use Illuminate\Http\Request;
  9 | use Illuminate\Support\Facades\Validator;
10 | use Illuminate\Support\Facades\Hash;
11 | use Yajra\Datatables\Datatables;
12 | use PhpOffice\PhpSpreadsheet\IOFactory;
13 |
14 | 18 references | 0 implementations
15 | class UserController extends Controller
16 |
17 | {
18 |     1 reference | 0 overrides
19 |     public function index(): Factory\View
20 |     {
21 |         $breadcrumb = (object) [
22 |             'title' => 'Daftar User',
23 |             'list' => ['Home', 'User']
24 |         ];
25 |         $page = (object) [
26 |             'title' => 'Daftar user yang terdaftar dalam sistem'
27 |         ];
28 |         $activeMenu = 'user'; // set menu yang sedang aktif
29 |         $level = LevelModel::all(); // ambil data level untuk filter level
30 |
31 |         return view('user.index', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'level' => $level, 'activeMenu' => $activeMenu]);
32 |     }
33 |     1 reference | 0 overrides
34 |     public function list(Request $request): JsonResponse
35 |     {
36 |         $users = UserModel::select(columns: 'user_id', 'username', 'nama', 'level_id')
37 |             ->with(relations: 'level');
38 |
39 |         // Filter data user berdasarkan level_id
40 |         if ($request->level_id)
41 |             $users->where(column: 'level_id', operator: $request->level_id);
42 |
43 |         return Datatables::of($users)
44 |             ->addIndexColumn() // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
45 |             ->addColumn('aksi', function ($user): string { // menambahkan kolom aksi
46 |                 /* $btn = <a href="#" url('/user/' . $user->user_id). " class="btn btn-info btn-sm">Detail</a> ';
47 |                 $btn .= <a href="#" url('/user/' . $user->user_id . '/edit'). " class="btn btn-warning btn-sm">Edit</a> ';
48 |                 $btn .= <form class="d-inline-block" method="POST" actions="." url('/user/' . $user->user_id). '>'. csrf_field() . method_field('DELETE') . '
49 |                 <button type="submit" class="btn btn-danger btn-sm" onclick="return confirm('Apakah Anda yakin menghapus data ini?');">Hapus</button></form>';
50 |                 $btn = <button onclick="modalAction(V'.url(path: '/user/' . $user->user_id . '/show_ajax').')" class="btn btn-info btn-sm">Detail</button> ';
51 |                 $btn .= <button onclick="modalAction(V'.url(path: '/user/' . $user->user_id . '/edit_ajax').')" class="btn btn-warning btn-sm">Edit</button> ';
52 |                 $btn .= <button onclick="modalAction(V'.url(path: '/user/' . $user->user_id . '/delete_ajax').')" class="btn btn-danger btn-sm">Hapus</button> ';
53 |             });
54 |             ->rawColumns(['aksi']) // memberitahu bahwa kolom aksi adalah html
55 |             ->make(true);
56 |
57 |     }
58 |
59 | }
```



```
app > Http > Controllers > UserController.php > PHP Intellisense > UserController > destroy
14 class UserController extends Controller
302     public function import(): Factory|View
303     {
304         return view(view: 'user.import');
305     }
306     1 reference | 0 overrides
307     public function import_ajax(Request $request): JsonResponse|mixed\Redirector\RedirectRes...
308     {
309         if($request->ajax() || $request->wantsJson()){
310             $rules = [
311                 // validasi file harus xls atauxlsx, max 1MB
312                 'file_user' => ['required', 'mimes:xlsx', 'max:1024']
313             ];
314
315             $validator = Validator::make(data: $request->all(), rules: $rules);
316             if($validator->fails()){
317                 return response()->json(data: [
318                     'status' => false,
319                     'message' => 'Validasi Gagal',
320                     'msgField' => $validator->errors()
321                 ]);
322
323             $file = $request->file(key: 'file_user'); // ambil file dari request
324
325             $reader = IOFactory::createReader('Xlsx'); // load reader file excel
326             $reader->setReadDataOnly(true); // hanya membaca data
327             $spreadsheet = $reader->load($file->getRealPath()); // load file excel
328             $sheet = $spreadsheet->getActiveSheet(); // ambil sheet yang aktif
329
330             $data = $sheet->toArray(null, false, true, true); // ambil data excel
331
332             $insert = [];
333             if(count(value: $data) > 1){ // jika data lebih dari 1 baris
334                 foreach ($data as $baris => $value) {
335                     if($baris > 1){ // baris ke 1 adalah header, maka lewati
336                         $insert[] = [
337                             'level_id' => $value['A'],
338                             'username' => $value['B'],
339                             'nama' => $value['C'],
340                             'password' => $value['D'],
341                             'created_at' => now(),
342                         ];
343                     }
344                 }
345
346                 if(count(value: $insert) > 0){
347                     // insert data ke database, jika data sudah ada, maka diabaikan
348                     UserModel::insertOrIgnore(values: $insert);
349                 }
350
351                 return response()->json(data: [
352                     'status' => true,
353                     'message' => 'Data berhasil diimport'
354                 ]);
355             }else{
356                 return response()->json(data: [
357                     'status' => false,
358                     'message' => 'Tidak ada data yang diimport'
359                 ]);
360             }
361         }
362     }
363 }
364 ?> The closing ?> tag should be omitted from files containing only PHP.
```



6

Berikut adalah tampilan import data pada menu user

The figure consists of three vertically stacked screenshots of a web application interface for managing users.

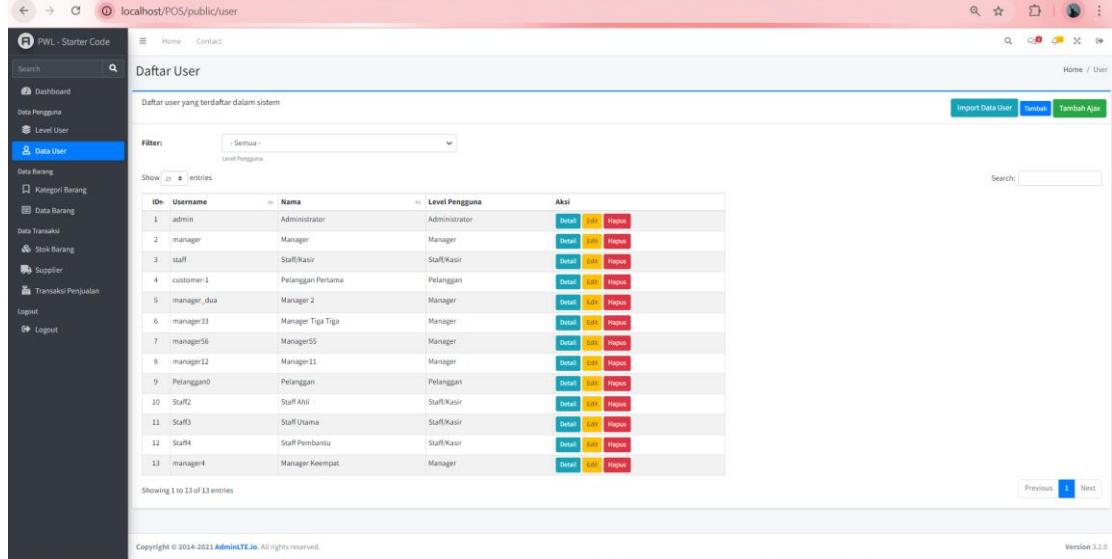
Screenshot 1: Shows the "Daftar User" (User List) page. The sidebar on the left is titled "PWL - Starter Code" and includes links for Dashboard, Data Pengguna, Level User, and Data User (which is highlighted). The main content area shows a table of users with columns: ID, Username, Name, Level Pengguna (Level User), and Aksi (Actions). The table contains 7 rows of data. At the top right of the content area are buttons for Import Data User, Tambah, and Tambah Ajax.

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail, Edit, Hapus]
2	manager	Manager	Manager	[Detail, Edit, Hapus]
3	staff	Staff/Kasir	Staff/Kasir	[Detail, Edit, Hapus]
4	customer-1	Pelanggan Pertama	Pelanggan	[Detail, Edit, Hapus]
5	manager_dua	Manager 2	Manager	[Detail, Edit, Hapus]
6	manager33	Manager Tiga Tiga	Manager	[Detail, Edit, Hapus]
7	manager56	Manager55	Manager	[Detail, Edit, Hapus]

Screenshot 2: Shows the "Import Data User" modal dialog. It has a "Download Template" button and a "Pilih File" input field containing "Choose File template_user.xlsx". Below the input field is a table identical to the one in Screenshot 1. At the bottom right of the modal are "Batal" and "Upload" buttons.

Screenshot 3: Shows the "Berhasil" (Success) confirmation dialog. It features a green checkmark icon, the text "Data berhasil diimport" (Data imported successfully), and an "OK" button. This dialog appears over the "Daftar User" page, which now shows 9 rows of data.

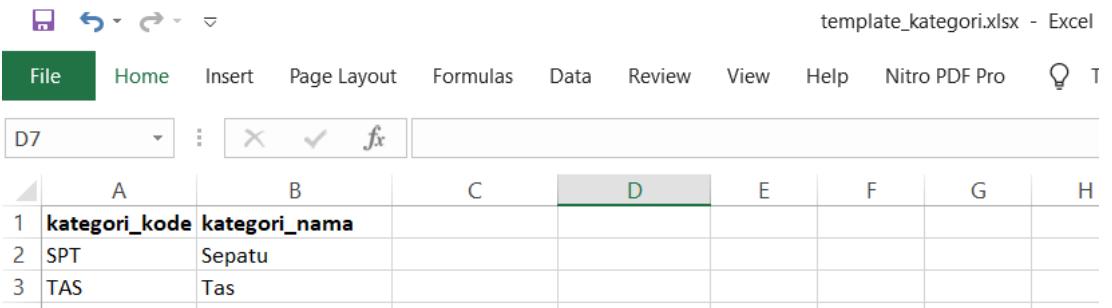
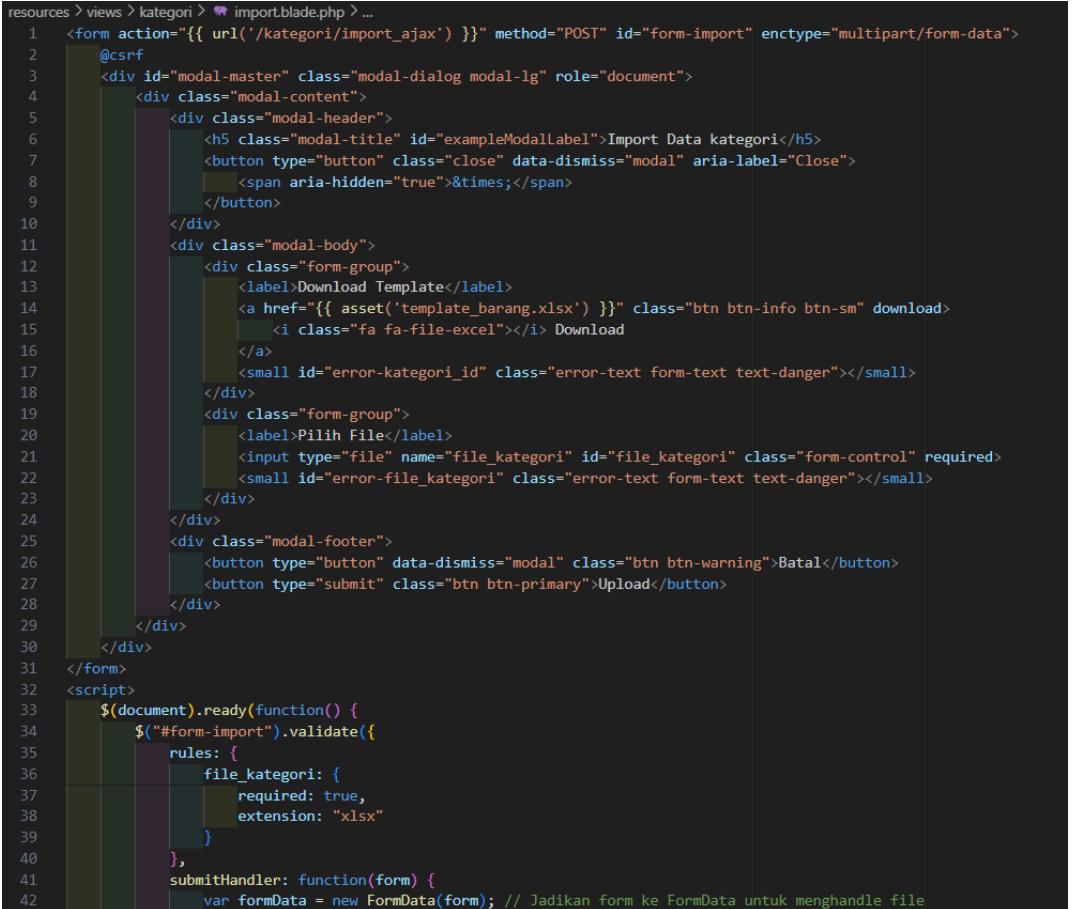


	Jika isi data dan format data tidak sesuai maka akan gagal menunjukkan tanda silang merah. Namun, jika sudah sesuai maka akan berhasil seperti gambar di atas.
7	Berikut tampilan akhir setelah pengimportan data terjadi penambahan data. 

C. Tabel m_kategori

Langkah	Jawaban/Deskripsi
1	Pertama, sebelum membuat data baru pastikan mengecek database m_kategori untuk mengetahui kolom apa saja yang dibutuhkan untuk diisi datanya.  <p>Membuat file excel untuk diimport data kategorinya nanti dengan isi berikut ini.</p>



	
2	Selanjutnya kita modifikasi view pada <code>kategori/index.blade.php</code> untuk bisa menambahkan tombol menambah form untuk upload untuk import data kategori 
3	Selanjutnya kita buat view untuk form upload/import file excel dan download file. Yang diberi nama file dengan nama <code>kategori/import.blade.php</code> 



	<pre>resources > views > kategori > import.blade.php > form#form-import > div#modal-master.modal-dialog.modal-lg > div.modal-content > div.modal-body > script 32 <script> 33 \$(document).ready(function() { 34 submitHandler: function(form) { 35 \$.ajax({ 36 url: form.action, 37 type: form.method, 38 data: formData, // Data yang dikirim berupa FormData 39 processData: false, // setting processData dan contentType ke false, untuk menghandle file 40 contentType: false, 41 success: function(response) { 42 if(response.status){ // jika sukses 43 \$('#myModal').modal('hide'); 44 Swal.fire({ 45 icon: 'success', 46 title: 'Berhasil', 47 text: response.message 48 }); 49 tablekategori.ajax.reload(); // reload datatable 50 } else { // jika error 51 \$('.error-text').text(''); 52 \$.each(response.msgField, function(prefix, val) { 53 \$('#error-' + prefix).text(val[0]); 54 }); 55 Swal.fire({ 56 icon: 'error', 57 title: 'Terjadi Kesalahan', 58 text: response.message 59 }); 60 } 61 } 62 }); 63 return false; 64 }, 65 errorElement: 'span', 66 errorPlacement: function(error, element) { 67 error.addClass('invalid-feedback'); 68 element.closest('.form-group').append(error); 69 }, 70 highlight: function(element, errorClass, validClass) { 71 \$(element).addClass('is-invalid'); 72 }, 73 unhighlight: function(element, errorClass, validClass) { 74 \$(element).removeClass('is-invalid'); 75 } 76 }); 77 }); 78 </script></pre>
4	<p>Kemudian modifikasi <code>route/web.php</code> untuk mengakomodir proses upload file pada menu kategori</p> <pre>routes > Closure > Closure > Closure 23 Route::middleware(['auth'])->group(function () { 24 Route::middleware(['auth'])->group(function () { 25 Route::middleware(['authorize:ADM,IMG,STF,CUS'])->group(function() { 26 Route::get('kategori', [KategoriController::class, 'index']); //menampilkan halaman awal level 27 Route::post('kategori/list', [KategoriController::class, 'list']); //menampilkan data Kategori dalam bentuk json 28 Route::get('kategori/create', [KategoriController::class, 'create']); // menampilkan halaman form tambah Kategori 29 Route::get('kategori/create_ajax', [KategoriController::class, 'create_ajax']); //Menampilkan halaman form tambah user Ajax 30 Route::post('kategori/ajax', [KategoriController::class, 'store_ajax']); // Menyimpan data user baru Ajax 31 Route::post('kategori', [KategoriController::class, 'store']); // menyimpan data Kategori baru 32 Route::put('kategori/{id}/edit', [KategoriController::class, 'edit']); // menampilkan halaman form edit Kategori 33 Route::get('kategori/{id}/edit', [KategoriController::class, 'update']); // menampilkan halaman form edit Kategori 34 Route::get('kategori/{id}/edit_ajax', [KategoriController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 35 Route::put('kategori/{id}/update_ajax', [KategoriController::class, 'update_ajax']); // menyimpan halaman form edit user ajax 36 Route::get('kategori/{id}/delete_ajax', [KategoriController::class, 'confirm_ajax']); //tampil form confirm delete user ajax 37 Route::delete('kategori/{id}/delete_ajax', [KategoriController::class, 'delete_ajax']); //hapus data user 38 Route::get('kategori/{id}/show', [KategoriController::class, 'show']); // menampilkan detail level 39 Route::get('kategori/import', [KategoriController::class, 'import']); //ajax form upload excel 40 Route::post('kategori/import_ajax', [KategoriController::class, 'import_ajax']); //ajax form upload excel 41 Route::delete('kategori/{id}', [KategoriController::class, 'destroy']); // menghapus data Kategori 42 }); 43 }); 44 }); 45 }); 46 <?></pre>
5	<p>Selanjutnya modifikasi file Controller nya dengan menambahkan function <code>import</code> dan <code>import_ajax</code> untuk memproses data sebagai berikut.</p>



	<pre>app > Http > Controllers > KategoriController.php > PHP Intelephense > KategoriController > import_ajax 11 class KategoriController extends Controller 0 references 0 overrides 292 public function import(): Factory View 293 { 294 return view(view: 'kategori.import'); 295 } 296 297 0 references 0 overrides 298 public function import_ajax(Request \$request): JsonResponse mixed 299 { 300 if (\$request->ajax() \$request->wantsJson()) { 301 \$rules = [302 'file_kategori' => ['required', 'mimes:xlsx', 'max:1024'], 303]; 304 \$validator = Validator::make(data: \$request->all(), rules: \$rules); 305 if (\$validator->fails()) { 306 return response()->json(data: [307 'status' => false, 308 'message' => 'Validasi Gagal', 309 'msgField' => \$validator->errors() 310]); 311 } 312 \$file = \$request->file(key: 'file_kategori'); // ambil file dari request 313 \$reader = IOFactory::createReader('Xlsx'); //load reader file excel 314 \$reader->setReadDataOnly(true); // membaca data 315 \$spreadsheet = \$reader->load(\$file->getRealPath()); // load file excel 316 \$sheet = \$spreadsheet->getActiveSheet(); // amengambil sheet aktif 317 \$data = \$sheet->toArray(null, false, true, true); //ambil data excel 318 \$insert = []; 319 if (count(value: \$data) > 1) { 320 foreach (\$data as \$baris => \$value) { 321 if (\$baris > 1) { 322 \$insert[] = [323 'kategori_id' => \$value['A'], 324 'kategori_kode' => \$value['B'], 325 'kategori_nama' => \$value['C'], 326 'created_at' => now(), 327]; 328 } 329 } 330 if (count(value: \$insert) > 0) { 331 KategoriModel::insertOrIgnore(values: \$insert); 332 } 333 return response()->json(data: [334 'status' => true, 335 'message' => 'Data berhasil diimport' 336]); 337 } else { 338 return response()->json(data: [339 'status' => false, 340 'message' => 'Tidak ada data yang diimport' 341]); 342 } 343 return redirect(to: '/'); Unreachable code detected 344 } </pre>
6	Berikut adalah tampilan import data pada menu kategori



The screenshots show a web-based application interface for managing product categories. The left sidebar menu includes: Dashboard, Data Pengguna, Level User, Data User, Data Barang, and Kategori Barang (which is selected). The main content area displays a table of existing categories:

ID	Kode Kategori	Nama Kategori	Aksi
1	fnb	Food and Beverage	[Detail] [Edit] [Hapus]
2	bnh	Beauty and Health	[Detail] [Edit] [Hapus]
3	bnk	Baby and Kid	[Detail] [Edit] [Hapus]
4	hnc	Home and Care	[Detail] [Edit] [Hapus]
5	elk	Elektronik	[Detail] [Edit] [Hapus]
6	SBK	Sembako	[Detail] [Edit] [Hapus]
7	SNK	Makanan Ringan	[Detail] [Edit] [Hapus]
8	MND	Peralatan Mandi	[Detail] [Edit] [Hapus]
9	BAY	Keperluan Bayi	[Detail] [Edit] [Hapus]
10	MNM	Minuman	[Detail] [Edit] [Hapus]

In the second screenshot, a modal window titled "Import Data kategori" is open, showing a "Choose File" input field with "template_kategori.xlsx" selected, and "Upload" and "Batal" buttons.

In the third screenshot, a success message box is displayed: "Berhasil" (Successful) and "Data berhasil diimport" (Data imported successfully), with an "OK" button.

Jika isi data dan format data tidak sesuai maka akan gagal menunjukkan tanda silang merah. Namun, jika sudah sesuai maka akan berhasil seperti gambar di atas.



7

Berikut tampilan akhir setelah pengimportan data terjadi penambahan data.

ID	Kode Kategori	Nama Kategori	Aksi
1	fnb	Food and Beverage	[Detail] [Edit] [Hapus]
2	beth	Beauty and Health	[Detail] [Edit] [Hapus]
3	brn	Baby and Kid	[Detail] [Edit] [Hapus]
4	hnc	Home and Care	[Detail] [Edit] [Hapus]
5	elk	Elektronik	[Detail] [Edit] [Hapus]
6	SBK	Sembako	[Detail] [Edit] [Hapus]
7	SNK	Makanan Ringan	[Detail] [Edit] [Hapus]
8	MND	Peralatan Mandi	[Detail] [Edit] [Hapus]
9	BAY	Keperluan Bayi	[Detail] [Edit] [Hapus]
10	MNM	Minuman	[Detail] [Edit] [Hapus]
11	Sepatu		[Detail] [Edit] [Hapus]
12	Tas		[Detail] [Edit] [Hapus]

D. Tabel m_supplier

Langkah	Jawaban/Deskripsi																																														
1	<p>Pertama, sebelum membuat data baru pastikan mengecek database m_supplier untuk mengetahui kolom apa saja yang dibutuhkan untuk diisi datanya.</p> <table border="1"><thead><tr><th>supplier_id</th><th>supplier_kode</th><th>supplier_nama</th><th>supplier_alamat</th><th>created_at</th><th>updated_at</th></tr></thead><tbody><tr><td>1</td><td>yol</td><td>Yolanda Supplier</td><td>Jln Hamidrusdi No.102</td><td>NULL</td><td>NULL</td></tr><tr><td>2</td><td>snd</td><td>Sendi Supplier</td><td>Jln Buring No.54</td><td>NULL</td><td>NULL</td></tr><tr><td>3</td><td>liy</td><td>Liya Supplier</td><td>Jln Tuban no 65</td><td>NULL</td><td>NULL</td></tr><tr><td>4</td><td>nels</td><td>Nela Supplier</td><td>Jln yerussalem No.4</td><td>2024-10-01 13:36:26</td><td>2024-10-01 13:56:36</td></tr></tbody></table> <p>Membuat file excel untuk diimport data suppliernya nanti dengan isi berikut ini.</p> <table border="1"><thead><tr><th>A</th><th>B</th><th>C</th><th>D</th></tr></thead><tbody><tr><td>1</td><td>supplier_id</td><td>supplier_kode</td><td>supplier_nama</td></tr><tr><td>2</td><td>5</td><td>nei</td><td>Neisya Supplier</td></tr><tr><td></td><td></td><td></td><td>Jln Bandung No.2</td></tr></tbody></table>	supplier_id	supplier_kode	supplier_nama	supplier_alamat	created_at	updated_at	1	yol	Yolanda Supplier	Jln Hamidrusdi No.102	NULL	NULL	2	snd	Sendi Supplier	Jln Buring No.54	NULL	NULL	3	liy	Liya Supplier	Jln Tuban no 65	NULL	NULL	4	nels	Nela Supplier	Jln yerussalem No.4	2024-10-01 13:36:26	2024-10-01 13:56:36	A	B	C	D	1	supplier_id	supplier_kode	supplier_nama	2	5	nei	Neisya Supplier				Jln Bandung No.2
supplier_id	supplier_kode	supplier_nama	supplier_alamat	created_at	updated_at																																										
1	yol	Yolanda Supplier	Jln Hamidrusdi No.102	NULL	NULL																																										
2	snd	Sendi Supplier	Jln Buring No.54	NULL	NULL																																										
3	liy	Liya Supplier	Jln Tuban no 65	NULL	NULL																																										
4	nels	Nela Supplier	Jln yerussalem No.4	2024-10-01 13:36:26	2024-10-01 13:56:36																																										
A	B	C	D																																												
1	supplier_id	supplier_kode	supplier_nama																																												
2	5	nei	Neisya Supplier																																												
			Jln Bandung No.2																																												
2	<p>Selanjutnya kita modifikasi view pada supplier/index.blade.php untuk bisa menambahkan tombol menambah form untuk upload untuk import data supplier</p>																																														



	<pre>resources > views > supplier > indexblade.php > {} "1" > div.card.card-outline.card-primary > div.card-body > div.row > div.col-md-12 1 @extends('layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <button onclick="modalAction('{{ url('/supplier/import') }}'" class="btn btn-info">Import Data Supplier</button> 10 Tambah 11 <button onclick="modalAction('{{ url('supplier/create_ajax') }}'" class="btn btn-success mt-1">Tambah Ajax</button> 12 </div> 13 </div></pre>
3	<p>Selanjutnya kita buat view untuk form upload/import file excel dan download file. Yang diberi nama file dengan nama supplier/import.blade.php</p> <pre>resources > views > supplier > importblade.php > form#form-import > div#modal-master.modal-dialog.modal-lg > div.modal-content > div.modal-body 1 <form action="{{ url('/supplier/import_ajax') }}" method="POST" id="form-import" enctype="multipart/form-data"> 2 @csrf 3 <div id="modal-master" class="modal-dialog modal-lg" role="document"> 4 <div class="modal-content"> 5 <div class="modal-header"> 6 <h5 class="modal-title" id="exampleModalLabel">Import Data Supplier</h5> 7 <button type="button" class="close" data-dismiss="modal" aria-label="Close"> 8 &times; 9 </button> 10 </div> 11 <div class="modal-body"> 12 <div class="form-group"> 13 <label>Download Template</label> 14 15 <i class="fa fa-file-excel"></i> Download 16 17 <small id="error-stok_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_stok" id="file_stok" class="form-control" required> 22 <small id="error-file_stok" 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 </form> 31 <script> 32 \$(document).ready(function() { 33 \$("#form-import").validate({ 34 rules: { 35 file_stok: { 36 required: true, 37 extension: "xlsx" 38 } 39 }, 40 submitHandler: function(form) { 41 var formData = new FormData(form); // Jadikan form ke FormData untuk menghandle file 42 } 43 }); 44 }); 45 </script> 46 </pre>



	<pre>resources > views > supplier > import.blade.php > script > <function> 32 <script> 33 \$(document).ready(function() { 41 submitHandler: function(form) { 44 \$.ajax({ 45 url: form.action, 46 type: form.method, 47 data: formData, // Data yang dikirim berupa FormData 48 processData: false, // setting processData dan contentType ke false, untuk menghandle file 49 contentType: false, 50 success: function(response) { 51 if(response.status){ // jika sukses 52 \$('#myModal').modal('hide'); 53 Swal.fire({ 54 icon: 'success', 55 title: 'Berhasil', 56 text: response.message 57 }); 58 tablestok.ajax.reload(); // reload datatable 59 } else { // jika error 60 \$('.error-text').text(''); 61 \$.each(response.msgField, function(prefix, val) { 62 \$('#error-' + prefix).text(val[0]); 63 }); 64 Swal.fire({ 65 icon: 'error', 66 title: 'Terjadi Kesalahan', 67 text: response.message 68 }); 69 } 70 }); 71 return false; 72 }, 73 errorElement: 'span', 74 errorPlacement: function(error, element) { 75 error.addClass('invalid-feedback'); 76 element.closest('.form-group').append(error); 77 }, 78 highlight: function(element, errorClass, validClass) { 79 \$(element).addClass('is-invalid'); 80 }, 81 unhighlight: function(element, errorClass, validClass) { 82 \$(element).removeClass('is-invalid'); 83 } 84 }); 85 }); 86 </script></pre>
4	Kemudian modifikasi route/web.php untuk mengakomodir proses upload file pada menu supplier
5	Selanjutnya modifikasi file Controller nya dengan menambahkan function import dan import_ajax untuk memproses data sebagai berikut.



<pre>app > Http > Controllers > SupplierController.php > PHP > SupplierController > import_ajax()</pre>	<pre>12 class SupplierController extends Controller 303 304 public function import(): Factory View 305 { 306 return view(view: 'stok.import'); 307 } 308 309 1 reference 0 overrides 310 public function import_ajax(Request \$request): JsonResponse mixed 311 { 312 if (\$request->ajax() \$request->wantsJson()) { 313 \$rules = [314 'file_stok' => ['required', 'mimes:xlsx', 'max:1024'], 315]; 316 \$validator = Validator::make(data: \$request->all(), rules: \$rules); 317 if (\$validator->fails()) { 318 return response()->json(data: [319 'status' => false, 320 'message' => 'Validasi Gagal', 321 'msgField' => \$validator->errors() 322]); 323 } 324 \$file = \$request->file(key: 'file_stok'); // ambil file dari request 325 \$reader = IOFactory::createReader('Xlsx'); //load reader file excel 326 \$reader->setReadDataOnly(true); // membaca data 327 \$spreadsheet = \$reader->load(\$file->getRealPath()); // load file excel 328 \$sheet = \$spreadsheet->getActiveSheet(); // amengambil sheet aktif 329 \$data = \$sheet->toArray(null, false, true, true); //ambil data excel 330 \$insert = []; 331 if (count(value: \$data) > 1) { 332 foreach (\$data as \$baris => \$value) { 333 if (\$baris > 1) { 334 \$insert[] = [335 'supplier_id' => \$value['A'], 336 'supplier_kode' => \$value['B'], 337 'supplier_nama' => \$value['C'], 338 'supplier_alamat' => \$value['D'], 339 'created_at' => now(), 340]; 341 } 342 if (count(value: \$insert) > 0) { 343 SupplierModel::insertOrIgnore(values: \$insert); 344 } 345 return response()->json(data: [346 'status' => true, 347 'message' => 'Data berhasil diimport' 348]); 349 } else { 350 return response()->json(data: [351 'status' => false, 352 'message' => 'Tidak ada data yang diimport' 353]); 354 } 355 return redirect(to: '/'); Unreachable code detected 356 } 357 }</pre>
6	Berikut adalah tampilan import data pada menu supplier



Screenshot 1: Daftar Supplier

Screenshot 2: Import Data Supplier

Screenshot 3: Berhasil

Detailed description: The image consists of three vertically stacked screenshots of a web application interface. The top screenshot shows a list of suppliers with columns for ID, Kode Supplier, Nama Supplier, Alamat Supplier, and Aksi (Action). The middle screenshot shows an 'Import Data Supplier' modal with fields for Download Template, Choose File (with 'template_supplier.xlsx' selected), and Upload. The bottom screenshot shows a success message 'Berhasil' with a green checkmark icon and the text 'Data berhasil diimport' (Data imported successfully), with an 'OK' button at the bottom.



	Jika isi data dan format data tidak sesuai maka akan gagal menunjukan tanda silang merah. Namun, jika sudah sesuai maka akan berhasil seperti gambar di atas.
7	Berikut tampilan akhir setelah pengimportan data terjadi penambahan data.

Praktikum Ke 2 – Export Data ke Excel

Langkah	Jawaban/Deskripsi
1	Kita modifikasi barang/index.blade.php dengan mengganti kode berikut <pre>Tambah Data</pre> Kita ubah dengan <pre><i class="fa fa-file-excel"></i> Export Barang</pre> Hal ini kita lakukan karena tombol Tambah Data sudah tidak kita gunakan karena kita sudah menggunakan tombol Tambah Data (Ajax) . <pre>resources > views > barang > index.blade.php > "1" > div.card > div.card-header > div.card-tools 1 @extends('layouts.template') 2 @section('content') 3 <div class="card"> 4 <div class="card-header"> 5 <h3 class="card-title">Daftar barang</h3> 6 <div class="card-tools"> 7 <button onclick="modalAction('{{ url('/barang/import') }}'" class="btn btn-info">Import Barang</button> 8 <i class="fa fa-file-excel"></i> Export Barang 9 <button onclick="modalAction('{{ url('/barang/create_ajax') }}'" class="btn btn-success">Tambah Data (Ajax)</button> 10 </div> 11 </div></pre>
2	Kemudian kita tambahkan route pada route/web.php untuk bisa memproses export excel



	<pre>routes > web.php > Closure > Closure > Closure 23 <Route::middleware(['auth'])->group(function () { 27 <Route::middleware(['auth'])->group(function(){ 119 <Route::middleware(['authorize:ADM,MNG,STF,CUS'])->group(callback: function(): void{ 132 Route::get(uri: '/barang/import', action: [BarangController::class, 'import']); //ajax form upload excel 133 Route::post(uri: '/barang/import_ajax', action: [BarangController::class, 'import_ajax']); //ajax form upload excel 134 Route::get(uri: '/barang/export_excel', action: [BarangController::class, 'export_excel']); //export_excel 135 Route::delete(uri: '/barang/{id}', action: [BarangController::class, 'destroy']); // menghapus data Supplier 136 }); 137 }); 138);</pre>
3	Selanjutnya kita tambahkan fungsi <code>export_excel()</code> pada file <code>BarangController.php</code>
4	Kita ambil data barang yang akan kita export ke excel (tentu dengan menyertakan relasikategori barang)
	<pre>app > Http > Controllers > BarangController.php > PHP Intelephense > BarangController > export_excel 15 class BarangController extends Controller 16 17 1 reference 0 overrides 18 public function export_excel(): BinaryFileResponse 19 { 20 \$barang = BarangModel::select(columns: 'kategori_id', 'barang_kode', 'barang_nama', 'harga_beli', 'harga_jual') 21 ->orderBy(column: 'kategori_id') 22 ->with(relations: 'kategori') 23 ->get(); 24 }</pre>
5	Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
	<pre>324 // load library excel 325 \$spreadsheet = new Spreadsheet(); 326 \$sheet = \$spreadsheet->getActiveSheet(); //ambil sheet yang aktif 327 328 \$sheet->setCellValue('A1', 'No'); 329 \$sheet->setCellValue('B1', 'Kode Barang'); 330 \$sheet->setCellValue('C1', 'Nama Barang'); 331 \$sheet->setCellValue('D1', 'Harga Beli'); 332 \$sheet->setCellValue('E1', 'Harga Jual'); 333 \$sheet->setCellValue('F1', 'Kategori'); 334 \$sheet->getStyle('A1:F1')->getFont()->setBold(true); // Buat header menjadi bold</pre>
6	Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel
	<pre>336 \$no = 1; // Nomor data dimulai dari 1 337 \$baris = 2; // Baris data dimulai dari baris ke-2 338 foreach (\$barang as \$key => \$value) { 339 \$sheet->setCellValue('A' . \$baris, \$no); 340 \$sheet->setCellValue('B' . \$baris, \$value->barang_kode); 341 \$sheet->setCellValue('C' . \$baris, \$value->barang_nama); 342 \$sheet->setCellValue('D' . \$baris, \$value->harga_beli); 343 \$sheet->setCellValue('E' . \$baris, \$value->harga_jual); 344 \$sheet->setCellValue('F' . \$baris, \$value->kategori->kategori_nama); 345 \$baris++; 346 \$no++; 347 }</pre>
7	Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter padamasing-masing kolom



	<pre>349 foreach (range(start: 'A', end: 'F') as \$columnID) { 350 \$sheet->getColumnDimension(\$columnID)->setAutoSize(true); // Set autosize untuk kolom 351 } 352 } 353 \$sheet->setTitle('Data Barang'); // Set judul sheet 354 355 \$writer = IOFactory::createWriter(\$spreadsheet, 'Xlsx'); 356 \$filename = 'Data Barang ' . date(format: 'Y-m-d H:i:s') . '.xlsx'; 357 358 header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet'); 359 header(header: 'Content-Disposition: attachment;filename="' . \$filename . '"'); 360 header(header: 'Cache-Control: max-age=0'); 361 header(header: 'Cache-Control: max-age=1'); 362 header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT'); 363 header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT'); 364 header(header: 'Cache-Control: cache, must-revalidate'); 365 header(header: 'Pragma: public'); 366 367 // Simpan file dan kirim ke output 368 \$writer->save('php://output'); 369 exit; 370 } 371 } 372 }</pre>
8	Bagian akhir proses export excel adalah kita set nama sheet, dan proses untuk dapat didownload oleh pengguna
9	Jika sudah selesai diimplementasikan, kita coba untuk melakukan Download file Export tersebut.

localhost/POS/public/barang

Data Barang

Daftar barang

Import Barang Export Barang Tambah Data (Ajax)

No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori	Aksi
1	nas	Nasi	10.000	12.000	Food and Beverage	[Detail] [Edit] [Hapus]
2	aym	Ayam	8.000	10.000	Food and Beverage	[Detail] [Edit] [Hapus]
3	saw	Sawi	5.000	7.000	Food and Beverage	[Detail] [Edit] [Hapus]
4	pmg	Promag	8.000	10.000	Beauty and Health	[Detail] [Edit] [Hapus]
5	scr	Sunscreen	12.000	15.000	Beauty and Health	[Detail] [Edit] [Hapus]
6	dix	Dulcolax	8.000	10.000	Beauty and Health	[Detail] [Edit] [Hapus]
7	myt	Minyak Telon	15.000	19.000	Baby and Kid	[Detail] [Edit] [Hapus]
8	pop	Popok Bayi	8.000	20.000	Baby and Kid	[Detail] [Edit] [Hapus]
9	bdk	Bedak Bayi	8.000	10.000	Baby and Kid	[Detail] [Edit] [Hapus]
10	krs	Kursi Plastik	20.000	22.000	Home and Care	[Detail] [Edit] [Hapus]

Showing 1 to 10 of 21 entries

Previous 1 2 3 Next

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Version 3.2.0

localhost/POS/public/barang

Data Barang

Daftar barang

Recent download history

- Data Barang 2024-10-18 10_26_21.xlsx 7.1 KB 1 minute ago
- template_barang (1).xlsx File wasn't available on site
- template_barang (1).xlsx File wasn't available on site
- pw1_pos (1).sql 20.7 KB 6 hours ago

Full download history

[Detail] [Edit] [Hapus]



The screenshot shows a web-based application interface for managing inventory. On the left, there is a sidebar with navigation links: Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang, Data Barang (which is selected), Data Transaksi, Stok Barang, Supplier, Transaksi Penjualan, Logout, and Logout. The main content area has a title "Daftar barang" and a "Filter" dropdown set to "Semua". Below this is a table with columns: No., Kode Barang, Nama Barang, Harga Beli, Harga Jual, Kategori, and Aksi (Detail, Edit, Hapus). The table contains three rows of data: 1. nas (Nasi), 2. aym (Ayam), 3. saw (Sawi). The "Harga Beli" column shows values like 10.000, 8.000, and 5.000. The "Harga Jual" column shows values like 12.000, 10.000, and 7.000. The "Kategori" column shows "Food and Beverage" for all items. The "Aksi" column contains buttons for each row. In the background, an Excel file titled "Data Barang 2024-10-18 10_26_21.xlsx" is being viewed, showing the same data in a grid format.

Tugas 2 – Implementasi File Export Excel

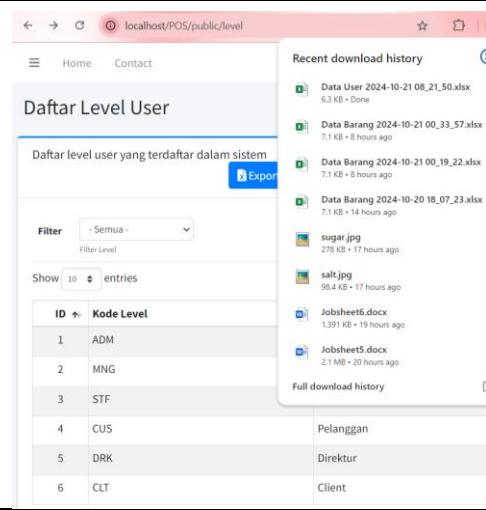
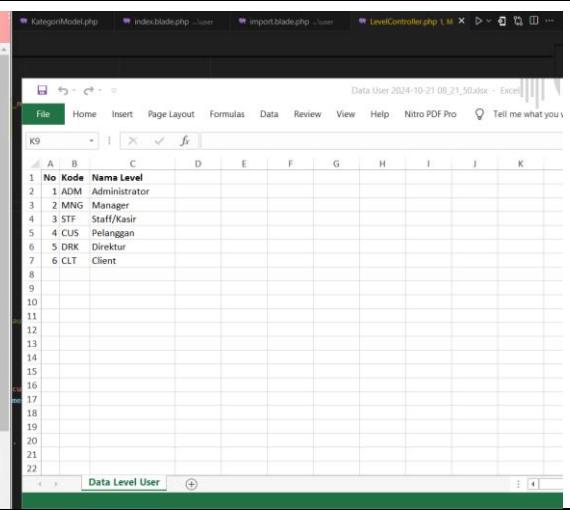
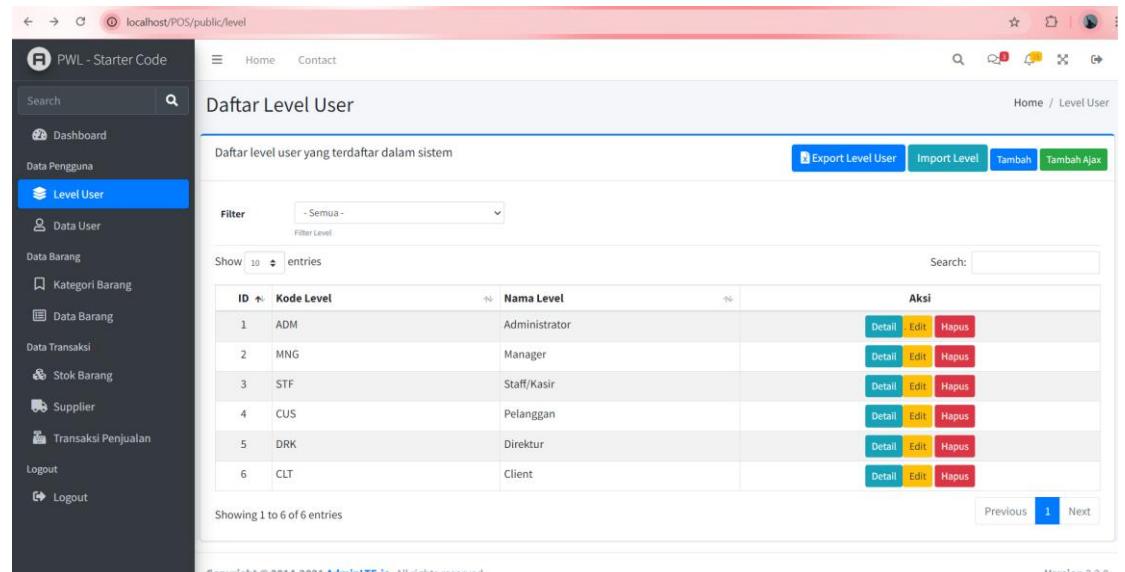
A. Tabel m_level

Langkah	Jawaban/Deskripsi
1	Pertama, modifikasi <code>level/index.blade.php</code> dengan menambahkan kode berikut. <pre>resources > views > level > index.blade.php > {} > div.card.card-outline.card-primary > div.card-body > div#filter.form-horizontal.filter-date.p-2.border-bottom.mb-2 > div.row > 1 @extends('layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <i class="fa fa-file-excel"></i> Export Level User 10 <button onclick="modalAction('{{ url('/level/import') }})" class="btn btn-info">Import Level</button> 11 Tambah 12 <button onclick="modalAction('{{ url('/level/create_ajax') }})" class="btn btn-sm btn-success mt-1">Tambah Ajax</button> 13 </div> 14 </div> 15 </div></pre>
2	Kemudian tambahkan route pada <code>route/web.php</code> untuk bisa memproses export excel sertakan relasi <pre>routes > Closure > Closure > Closure 23 Route::middleware(['auth'])->group(function () { 24 Route::middleware(['auth'])->group(function () { 25 ... 26 Route::middleware(['authorize:ADM'])->group(function() { 27 ... 28 Route::get(uri: '/level', action: [LevelController::class, 'index']); //menampilkan halaman awal level 29 Route::post(uri: '/level/list',action: [LevelController::class, 'list']); //menampilkan data level dalam bentuk json 30 Route::get(uri: '/level/create', action: [LevelController::class, 'create']); //menampilkan halaman form tambah level 31 Route::get(uri: '/level/create_ajax', action: [LevelController::class, 'create_ajax']); //menampilkan halaman form tambah user Ajax 32 Route::post(uri: '/level/ajax', action: [LevelController::class, 'store_ajax']); //Menyimpan data user baru Ajax 33 Route::post(uri: '/level', action: [LevelController::class, 'store']); // menyimpan data level baru 34 Route::get(uri: '/level/{id}/edit', action: [LevelController::class, 'edit']); // menampilkan halaman form edit level 35 Route::put(uri: '/level/{id}', action: [LevelController::class, 'update']); // menyimpan perubahan data level 36 Route::get(uri: '/level/{id}/edit_ajax', action: [LevelController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 37 Route::put(uri: '/level/{id}/update_ajax', action: [LevelController::class, 'update_ajax']); //menyimpan halaman form edit user ajax 38 Route::get(uri: '/level/{id}/delete_ajax', action: [LevelController::class, 'confirm_ajax']); //tampil form confirm delete user ajax 39 Route::delete(uri: '/level/{id}/delete_ajax', action: [LevelController::class, 'delete_ajax']); //hapus data user 40 Route::get(uri: '/level/{id}/show_ajax', action: [LevelController::class, 'show_ajax']); // menampilkan detail level 41 Route::get(uri: '/barang/{id}/show',action: [LevelController::class, 'show']); 42 Route::get(uri: '/level/import', action: [LevelController::class, 'import']); //ajax form upload excel 43 Route::post(uri: '/level/import_ajax', action: [LevelController::class, 'import_ajax']); //ajax form upload excel 44 Route::get(uri: '/level/export_excel', action: [LevelController::class, 'export_excel']); //export_excel 45 Route::delete(uri: '/level/{id}', action: [LevelController::class, 'destroy']); // menghapus data level 46 }); 47 }); 48 }); 49 </pre>



3	Selanjutnya tambahkan fungsi <code>export_excel()</code> pada file <code>BarangController.php</code>
	<pre>app > Http > Controllers > LevelController.php > PHP Intelephense > export_excel 12 class LevelController extends Controller 1 reference 0 overrides 349 public function export_excel(): never 350 { 351 // ambil data barang yang akan di export 352 \$level = LevelModel::select(columns: 'level_id', 'level_kode', 'level_nama') 353 ->get();</pre>
4	Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
	<pre>354 // load library excel 355 \$spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet(); 356 \$sheet = \$spreadsheet->getActiveSheet(); // ambil sheet yang aktif 357 \$sheet->setCellValue('A1', 'No'); 358 \$sheet->setCellValue('B1', 'Kode'); 359 \$sheet->setCellValue('C1', 'Nama Level'); 360 \$sheet->getStyle('A1:F1')->getFont()->setBold(true); // bold header</pre>
5	Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel
	<pre>361 \$no = 1; // nomor data dimulai dari 1 362 \$baris = 2; // baris data dimulai dari baris ke 2 363 foreach (\$level as \$key => \$value) { 364 \$sheet->setCellValue('A' . \$baris, \$no); 365 \$sheet->setCellValue('B' . \$baris, \$value->level_kode); 366 \$sheet->setCellValue('C' . \$baris, \$value->level_nama); 367 \$baris++; 368 \$no++; 369 }</pre>
6	Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom
	<pre>370 foreach (range(start: 'A', end: 'C') as \$columnID) { 371 \$sheet->getColumnDimension(\$columnID)->setAutoSize(true); // set auto size untuk kolom 372 }</pre>
7	Bagian akhir proses export excel adalah kita set nama sheet, dan proses untuk dapat di download oleh pengguna
	<pre>374 \$sheet->setTitle('Data Level User'); // set title sheet 375 \$writer = IOFactory::createWriter(\$spreadsheet, 'Xlsx'); 376 \$filename = 'Data User ' . date(format: 'Y-m-d H:i:s') . '.xlsx'; 377 header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet'); 378 header(header: 'Content-Disposition: attachment;filename=' . \$filename . ''); 379 header(header: 'Cache-Control: max-age=0'); 380 header(header: 'Cache-Control: max-age=1'); 381 header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT'); 382 header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT'); 383 header(header: 'Cache-Control: cache, must-revalidate'); 384 header(header: 'Pragma: public'); 385 \$writer->save('php://output'); 386 exit; 387 } 388 }</pre>
8	Jika sudah selesai diimplementasikan, kita coba untuk melakukan Download file Export tersebut.



	
9	

B. Tabel m_user

Langkah	Jawaban/Deskripsi
1	Pertama, modifikasi <code>user/index.blade.php</code> dengan menambahkan kode berikut.  <pre>resources > views > user > index.blade.php > {} "1" > <div>.card.card-outline.card-primary > <div>.card-header > <div>.card-tools > <a>.btn.btn-primary 1 @extends('layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <i class="fa fa-file-excel"></i> Export User 10 <button onclick="modalAction('{{ url('user/import') }}')" class="btn btn-info">Import Data User</button> 11 Tambah 12 <button onclick="modalAction('{{ url('user/create_ajax') }}')" class="btn btn-success mt-1">Tambah Ajax</button> 13 14 </div> </div></pre>



2	Kemudian tambahkan route pada <code>route/web.php</code> untuk bisa memproses export excel sertakan relasi	<pre>routes > web.php > Closure > Closure > Closure 23 Route::middleware(['auth'])->group(callback: function (): void { 27 Route::middleware(['auth'])->group(callback: function(): void { 31 Route::middleware(['authorize:ADM'])->group(callback: function(): void { 32 Route::get(uri: '/user', action: [UserController::class, 'index']); // menampilkan halaman user 33 Route::post(uri: '/user/list', action: [UserController::class, 'list']); //menampilkan data user dalam bentuk json datatables 34 Route::get(uri: '/user/create', action: [UserController::class, 'create']); //menampilkan halaman tambah user 35 Route::get(uri: '/user/create_ajax', action: [UserController::class, 'create_ajax']); //Menampilkan halaman form tambah user Ajax 36 Route::post(uri: '/user/ajax', action: [UserController::class, 'store_ajax']); // Menyimpan data user baru Ajax 37 Route::post(uri: '/user', action: [UserController::class, 'store']); // menyimpan data user baru 38 Route::get(uri: '/user/{id}', action: [UserController::class, 'show']); //menampilkan detail user 39 Route::get(uri: '/user/{id}/show_ajax', action: [UserController::class, 'show_ajax']); 40 Route::get(uri: '/user/{id}/edit', action: [UserController::class, 'edit']); //menampilkan halaman form user edit 41 Route::put(uri: '/user/{id}', action: [UserController::class, 'update']); //menyimpan perubahan data user 42 Route::get(uri: '/user/{id}/edit_ajax', action: [UserController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 43 Route::put(uri: '/user/{id}/update_ajax', action: [UserController::class, 'update_ajax']); //menyimpan halaman form edit user ajax 44 Route::get(uri: '/user/{id}/delete_ajax', action: [UserController::class, 'confirm_ajax']); //tampil form confirm delete user ajax 45 Route::delete(uri: '/user/{id}/delete_ajax', action: [UserController::class, 'delete_ajax']); //hapus data user 46 Route::get(uri: '/user/import', action: [UserController::class, 'import']); //ajax form upload excel 47 Route::post(uri: '/user/import_ajax', action: [UserController::class, 'import_ajax']); //ajax form upload excel 48 Route::get(uri: '/user/export_excel', action: [UserController::class, 'export_excel']); //export_excel 49 Route::delete(uri: '/user/{id}', action: [UserController::class, 'destroy']); //menghapus data user 50 }); 51 }); 52 }); 53 }</pre>
3	Selanjutnya tambahkan fungsi <code>export_excel()</code> pada file <code>UserController.php</code>	<pre>app > Http > Controllers > UserController.php > PHP > UserController > export_excel() 14 class UserController extends Controller 2044 1 reference 0 overrides 365 public function export_excel(): never 366 { 367 //ambil data user yang akan di export 368 \$user = UserModel::select(columns: 'level_id', 'username', 'nama', 'password') 369 ->orderBy(column: 'level_id') 370 ->with(relations: 'level') 371 ->get(); 372 373 // load library excel 374 \$spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet(); 375 \$sheet = \$spreadsheet->getActiveSheet(); 376 \$sheet->setCellValue('A1', 'No'); 377 \$sheet->setCellValue('B1', 'Username'); 378 \$sheet->setCellValue('C1', 'Nama'); 379 \$sheet->setCellValue('D1', 'Level Pengguna'); 380 381 \$sheet->getStyle('A1:D1')->getFont()->setBold(true); //bold header 382 383 \$no = 1; //nomor data dimulai dari 1 384 \$baris = 2; //baris data dimulai dari baris 2 385 foreach (\$user as \$key => \$value){ 386 \$sheet->setCellValue('A' . \$baris, \$no); 387 \$sheet->setCellValue('B' . \$baris, \$value->username); 388 \$sheet->setCellValue('C' . \$baris, \$value->nama); 389 \$sheet->setCellValue('D' . \$baris, \$value->level->level_nama); 390 \$baris++; 391 \$no++; 392 } 393 394 \$writer = \$spreadsheet->createWriter(); 395 \$writer->save('user.xlsx'); 396 } 397 }</pre>
4	Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel	<pre>372 373 // load library excel 374 \$spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet(); 375 \$sheet = \$spreadsheet->getActiveSheet(); 376 \$sheet->setCellValue('A1', 'No'); 377 \$sheet->setCellValue('B1', 'Username'); 378 \$sheet->setCellValue('C1', 'Nama'); 379 \$sheet->setCellValue('D1', 'Level Pengguna'); 380 381 \$sheet->getStyle('A1:D1')->getFont()->setBold(true); //bold header 382 383 \$no = 1; //nomor data dimulai dari 1 384 \$baris = 2; //baris data dimulai dari baris 2 385 foreach (\$user as \$key => \$value){ 386 \$sheet->setCellValue('A' . \$baris, \$no); 387 \$sheet->setCellValue('B' . \$baris, \$value->username); 388 \$sheet->setCellValue('C' . \$baris, \$value->nama); 389 \$sheet->setCellValue('D' . \$baris, \$value->level->level_nama); 390 \$baris++; 391 \$no++; 392 } 393 394 \$writer = \$spreadsheet->createWriter(); 395 \$writer->save('user.xlsx'); 396 }</pre>
5	Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel	<pre>380 381 \$no = 1; //nomor data dimulai dari 1 382 \$baris = 2; //baris data dimulai dari baris 2 383 foreach (\$user as \$key => \$value){ 384 \$sheet->setCellValue('A' . \$baris, \$no); 385 \$sheet->setCellValue('B' . \$baris, \$value->username); 386 \$sheet->setCellValue('C' . \$baris, \$value->nama); 387 \$sheet->setCellValue('D' . \$baris, \$value->level->level_nama); 388 \$baris++; 389 \$no++; 390 } 391 392 \$writer = \$spreadsheet->createWriter(); 393 \$writer->save('user.xlsx'); 394 }</pre>
6	Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom	<pre>390 391 foreach(range(start: 'A',end: 'D') as \$columnID){ 392 \$sheet->getColumnDimension(\$columnID)->setAutoSize(true); //set auto size untuk kolom 393 } 394 }</pre>



7

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

```
394     $sheet->setTitle('Data User'); // set title sheet
395     $writer = IOFactory::createWriter($spreadsheet, 'Xlsx');
396     $filename = 'Data User ' . date(format: 'Y-m-d H:i:s') . '.xlsx';
397     header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet');
398     header(header: 'Content-Disposition: attachment;filename="' . $filename . '"');
399     header(header: 'Cache-Control: max-age=0');
400     header(header: 'Cache-Control: max-age=1');
401     header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT');
402     header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT');
403     header(header: 'Cache-Control: cache, must-revalidate');
404     header(header: 'Pragma: public');
405     $writer->save('php://output');
406     exit;
407 }
408 }
```

8

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

The screenshot shows a browser window with two tabs. The left tab displays a list of users ('Daftar User') from a database. The right tab shows the 'Data User' spreadsheet that was just downloaded. The spreadsheet has columns for No, Username, Name, and Level Pengguna. The data includes various user entries like admin, manager, staff, etc., with their respective names and roles.

No	Username	Name	Level Pengguna
1	admin	Administrator	Administrator
2	manager	Manager	Manager
3	staff	Staff/Kasir	Staff/Kasir
4	customer-1	Pelanggan Pertama	Pelanggan
5	manager_dua	Manager 2	Manager
6	manager33	Manager Tiga Tiga	Manager
7	manager56	Manager55	Manager
8	manager12	Manager11	Manager
9	manager4	Manager Keempat	Manager
10	staff2	Staff/Kasir	Staff/Kasir
11	Staff3	Staff Utama	Staff/Kasir
12	Staff4	Staff Pembantu	Staff/Kasir
13	customer-1	Pelanggan Pertama	Pelanggan
14	Pelanggan0	Pelanggan	Pelanggan
15			
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9

Tampilan akhir

The screenshot shows the final user interface for managing users ('Daftar User'). It features a table with columns for ID, Username, Name, Level Pengguna, and Aksi (Actions). Each row contains a 'Detail' button, an 'Edit' button, and a 'Hapus' (Delete) button. The table lists the same users as the previous screenshot. The sidebar on the left provides navigation links for various modules like Data Pengguna, Level User, Data Barang, Kategori Barang, Data Transaksi, Stok Barang, Supplier, and Transaksi Penjualan. There are also 'Logout' and 'Logout' buttons at the bottom of the sidebar.



C. Tabel m_kategori

Langkah	Jawaban/Deskripsi
1	Pertama, modifikasi <code>kategori/index.blade.php</code> dengan menambahkan kode berikut. <pre>resources > views > kategori > index.blade.php > {} "i" > div.card.card-outline.card-primary > div.card-header > div.card-tools 1 @extends('Layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <i class="fa fa-file-excel"></i> Export Kategori Barang 10 <button onclick="modalAction('{{ url('/kategori/import') }})" class="btn btn-info">Import Data Kategori</button> 11 Tambah 12 <button onclick="modalAction('{{ url('kategori/create_ajax') }})" class="btn btn-success mt-1">Tambah Ajax</button> 13 </div> 14 </div></pre>
2	Kemudian tambahkan route pada <code>route/web.php</code> untuk bisa memproses export excel sertakan relasi
3	Selanjutnya tambahkan fungsi <code>export_excel()</code> pada file <code>KategoriController.php</code>
4	Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
5	Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel



	<pre>358 \$kategori_id = 1; // nomor data dimulai dari 1 359 \$baris = 2; // baris data dimulai dari baris ke 2 360 361 foreach (\$level as \$key => \$value) { 362 \$sheet->setCellValue('A' . \$baris, \$kategori_id); 363 \$sheet->setCellValue('B' . \$baris, \$value->kategori_kode); 364 \$sheet->setCellValue('C' . \$baris, \$value->kategori_nama); 365 \$baris++; 366 \$kategori_id++; 367 } 368 369 }</pre>
6	Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom <pre>367 foreach (range(start: 'A', end: 'C') as \$columnID) { 368 \$sheet->getColumnDimension(\$columnID)->setAutoSize(true); // set auto size untuk kolom 369 }</pre>
7	Bagian akhir proses export excel adalah kita set nama sheet, dan proses untuk dapat di download oleh pengguna <pre>371 \$sheet->setTitle('Data Kategori'); // set title sheet 372 \$writer = IOFactory::createWriter(\$spreadsheet, 'Xlsx'); 373 \$filename = 'Data Kategori ' . date(format: 'Y-m-d H:i:s') . '.xlsx'; 374 header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet'); 375 header(header: 'Content-Disposition: attachment;filename=' . \$filename . ''); 376 header(header: 'Cache-Control: max-age=0'); 377 header(header: 'Cache-Control: max-age=1'); 378 header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT'); 379 header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT'); 380 header(header: 'Cache-Control: cache, must-revalidate'); 381 header(header: 'Pragma: public'); 382 \$writer->save('php://output'); 383 exit; 384 385 }</pre>
8	Jika sudah selesai diimplementasikan, kita coba untuk melakukan Download file Export tersebut.
9	Tampilan akhir



D. Tabel m_supplier

Langkah	Jawaban/Deskripsi
1	Pertama, modifikasi supplier/index.blade.php dengan menambahkan kode berikut. <pre>resources > views > supplier > index.blade.php > {} "i" > div.card.card-outline.card-primary > div.card-header > div.card-tools > a.btn.btn-primary 1 @extends('layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <i class="fa fa-file-excel"></i> Export Supplier 10 <button onclick="modalAction('{{ url('supplier/import') }})" class="btn btn-info">Import Data Supplier</button> 11 Tambah 12 <button onclick="modalAction('{{ url('supplier/create_ajax') }})" class="btn btn-success mt-1">Tambah Ajax</button> 13 </div> 14 </div></pre>
2	Kemudian tambahkan route pada route/web.php untuk bisa memproses export excel sertakan relasi
3	Selanjutnya tambahkan fungsi export_excel() pada file SupplierController.php



	<pre>app > Http > Controllers > SupplierController.php > PHP Intelephense > SupplierController > export_excel 12 class SupplierController extends Controller 502 363 1 reference 0 overrides 364 public function export_excel(): never 365 { 366 // ambil data barang yang akan di export 367 \$level = SupplierModel::select(columns: 'supplier_id', 'supplier_kode', 'supplier_nama', 'supplier_alamat') ->get(); </pre>
4	Kemudian kita load library Spreadsheet dan kita tentukan header data pada baris pertama di excel
	<pre>368 // load library excel 369 \$spreadsheet = new \PhpOffice\PhpSpreadsheet\Spreadsheet(); 370 \$sheet = \$spreadsheet->getActiveSheet(); // ambil sheet yang aktif 371 \$sheet->setCellValue('A1', 'ID'); 372 \$sheet->setCellValue('B1', 'Kode Supplier'); 373 \$sheet->setCellValue('C1', 'Nama Supplier'); 374 \$sheet->setCellValue('D1', 'Alamat Supplier'); 375 \$sheet->getStyle('A1:F1')->getFont()->setBold(true); // bold header </pre>
5	Selanjutnya, kita looping data yang telah kita dapatkan dari database, kemudian kita masukkan ke dalam cell excel
	<pre>376 \$supplier_id = 1; // nomor data dimulai dari 1 377 \$baris = 2; // baris data dimulai dari baris ke 2 378 foreach (\$level as \$key => \$value) { 379 \$sheet->setCellValue('A' . \$baris, \$supplier_id); 380 \$sheet->setCellValue('B' . \$baris, \$value->supplier_kode); 381 \$sheet->setCellValue('C' . \$baris, \$value->supplier_nama); 382 \$sheet->setCellValue('D' . \$baris, \$value->supplier_alamat); 383 \$baris++; 384 \$supplier_id++; 385 } </pre>
6	Kita set lebar tiap kolom di excel untuk menyesuaikan dengan panjang karakter pada masing-masing kolom
	<pre>386 foreach (range(start: 'A', end: 'D') as \$columnID) { 387 \$sheet->getColumnDimension(\$columnID)->setAutoSize(true); // set auto size untuk kolom 388 } </pre>
7	Bagian akhir proses export excel adalah kita set nama sheet, dan proses untuk dapat di download oleh pengguna
	<pre>390 \$sheet->setTitle('Data Supplier'); // set title sheet 391 \$writer = IOFactory::createWriter(\$spreadsheet, 'Xlsx'); 392 \$filename = 'Data Supplier' . date(format: 'Y-m-d H:i:s') . '.xlsx'; 393 header(header: 'Content-Type: application/vnd.openxmlformats-officedocument.spreadsheetml.sheet'); 394 header(header: 'Content-Disposition: attachment;filename=' . \$filename . ''); 395 header(header: 'Cache-Control: max-age=0'); 396 header(header: 'Cache-Control: max-age=1'); 397 header(header: 'Expires: Mon, 26 Jul 1997 05:00:00 GMT'); 398 header(header: 'Last-Modified: ' . gmdate(format: 'D, d M Y H:i:s') . ' GMT'); 399 header(header: 'Cache-Control: cache, must-revalidate'); 400 header(header: 'Pragma: public'); 401 \$writer->save('php://output'); 402 exit; 403 } 404 </pre>
8	Jika sudah selesai diimplementasikan, kita coba untuk melakukan Download file Export tersebut.

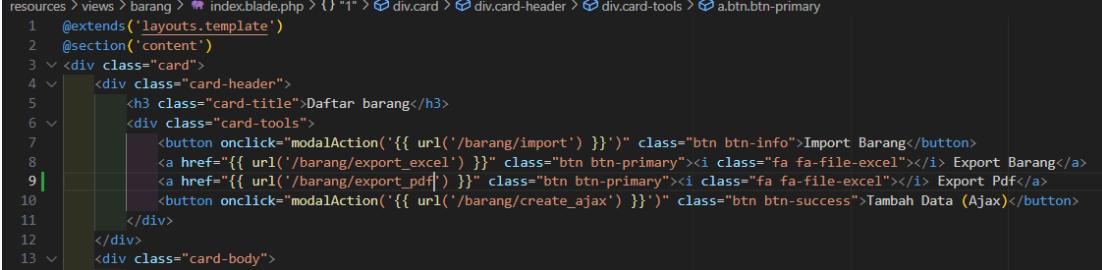


9	

Praktikum Ke 3 – Implementasi Export PDF di Laravel dengan dompdf

Langkah	Jawaban/Deskripsi
1	Kita lakukan proses instalasi library dompdf terlebih dahulu dengan mengetikkan perintah pada terminal/CMD <code>composer require barryvdh/laravel-dompdf</code>



	<pre>C:\laragon\www\POS>composer require barryvdh/laravel-dompdf Warning: Module "gd" is already loaded in Unknown on line 0 ./composer.json has been updated Running composer update barryvdh/laravel-dompdf Loading composer repositories with package information Updating dependencies Lock file operations: 6 installs, 0 updates, 0 removals - Locking barryvdh/laravel-dompdf (v3.0.0) - Locking dompdf/dompdf (v3.0.0) - Locking dompdf/php-font-lib (1.0.0) - Locking dompdf/php-svg-lib (1.0.0) - Locking masterminds/html5 (2.9.0) - Locking sabberwomn/php-css-parser (v8.6.0) Writing lock file Installing dependencies from lock file (including require-dev) Package operations: 6 installs, 0 updates, 0 removals - Downloading masterminds/html5 (2.9.0) - Downloading sabberwomn/php-css-parser (v8.6.0) - Downloading dompdf/php-svg-lib (1.0.0) - Downloading dompdf/php-font-lib (1.0.0) - Downloading dompdf/dompdf (v3.0.0) - Downloading barryvdh/laravel-dompdf (v3.0.0) - Installing masterminds/html5 (2.9.0): Extracting archive - Installing sabberwomn/php-css-parser (v8.6.0): Extracting archive - Installing dompdf/php-svg-lib (1.0.0): Extracting archive - Installing dompdf/php-font-lib (1.0.0): Extracting archive - Installing dompdf/dompdf (v3.0.0): Extracting archive - Installing barryvdh/laravel-dompdf (v3.0.0): Extracting archive 2 package suggestions were added by new dependencies, use 'composer suggest' to see details. Generating optimized autoload files > Illuminate\Foundation\ComposerScripts::postAutoloadDump > @php artisan package:discover --ansi Warning: Module "gd" is already loaded in Unknown on line 0 [INFO] Discovering packages... barryvdh/laravel-dompdf DONE laravel/sail DONE laravel/sail DONE laravel/sanctum DONE laravel/tinker DONE nesbot/carbon DONE numenaduro/collision DONE numenaduro/ternwind 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 0 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 Warning: Module "gd" is already loaded in Unknown on line 0 [INFO] No publishable resources for tag [laravel-assets]. No security vulnerability advisories found. Using version "3.0" for barryvdh/laravel-dompdf c:\laragon\www\POS\]</pre>
2	Setelah proses instalasi <code>dompdf</code> berhasil, selanjutnya Kita tambahkan kode berikut untuk menambahkan tombol export ke pdf pada <code>barang/index.blade.php</code> <pre><i class="fa fa-file-pdf"></i> Export Barang</pre> 
3	Setelah itu tinggal kita perbaiki route/web.php untuk proses export pdf



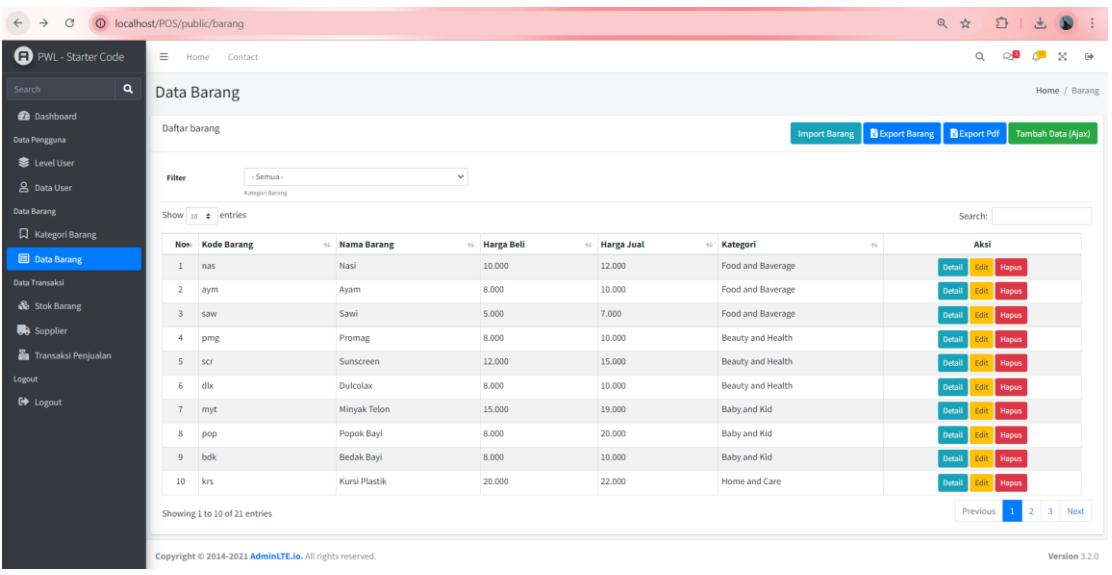
	<pre>routes > 🌐 web.php > 🌐 Closure > 🌐 Closure > 🌐 Closure 23 Route::middleware(['auth'])->group(function () { 27 Route::middleware(['auth'])->group(function(){ 119 Route::middleware(['authorize:ADM,MNG,STF,CUS'])->group(callback: function(): void{ 132 Route::get(uri: '/barang/import', action: [BarangController::class, 'import']); //ajax form upload excel 133 Route::post(uri: '/barang/import_ajax', action: [BarangController::class, 'import_ajax']); //ajax form upload excel 134 Route::get(uri: '/barang/export_excel', action: [BarangController::class, 'export_excel']); //export_excel 135 Route::get(uri: '/barang/export_pdf', action: [BarangController::class, 'export_pdf']); //export_pdf 136 Route::delete(uri: '/barang/{id}', action: [BarangController::class, 'destroy']); // menghapus data Supplier 137 }); 138 }); 139 }); 140 }</pre>
4	Selanjutnya, kita buat fungsi <code>export_pdf()</code> pada <code>BarangController.php</code> <pre>app > Http > Controllers > 🌐 BarangController.php > ... 16 class BarangController extends Controller 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 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1916 1917 1918 1918 1919 1920 1921 1922 1923 1924 1924 1925 1926 1926 1927 1928 1928 1929 1930 1931 1932 1933 1934 1934 1935 1936 1936 1937 1938 1938 1939 1940 1941 1942 1943 1944 1944 1945 1946 1946 1947 1948 1948 1949 1950 1951 1952 1953 1954 1954 1955 1956 1956 1957 1958 1958 1959 1960 1961 1962 1963 1964 1964 1965 1966 1</pre>



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resources > views > barang > export_pdf.blade.php > html > head > style > img.image
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         .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>
```



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resources > views > barang > 🗂 export_pdf.blade.php > 📄 html > 🏷 body > 🏷 table.border-all > 🏷 tbody > 🏷 tr
  1 <html>
  58   <body>
  59     <table class="border-bottom-header">
  60       <tr>
  61         <td width="15%" class="text-center">
  63           </td>
  64           <td width="85%">
  65             <span class="text-center d-block font-11 font-bold mb-1">KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI</span>
  66             <span class="text-center d-block font-13 font-bold mb-1">POLITEKNIK NEGERI MALANG</span>
  67             <span class="text-center d-block font-10">Jl. Soekarno-Hatta No. 9 Malang 65141</span>
  68             <span class="text-center d-block font-10">Telepon (0341) 404424 Pes. 101-105, 0341-404420, Fax. (0341) 404420</span>
  69             <span class="text-center d-block font-10">Laman: www.polinema.ac.id</span>
  70           </td>
  71     </tr>
  72   </table>
  73   <h3 class="text-center">LAPORAN DATA BARANG</h3>
  74   <table class="border-all">
  75     <thead>
  76       <tr>
  77         <th class="text-center">No</th>
  78         <th>Kode Barang</th>
  79         <th>Nama Barang</th>
  80         <th class="text-right">Harga Beli</th>
  81         <th class="text-right">Harga Jual</th>
  82         <th>Kategori</th>
  83       </tr>
  84     </thead>
  85     <tbody>
  86       @foreach($barang as $b)
  87         <tr>
  88           <td class="text-center">{{ $loop->iteration }}</td>
  89           <td>{{ $b->barang_kode }}</td>
  90           <td>{{ $b->barang_nama }}</td>
  91           <td class="text-right">{{ number_format($b->harga_beli, 0, ',', '.') }}</td>
  92           <td class="text-right">{{ number_format($b->harga_jual, 0, ',', '.') }}</td>
  93           <td>{{ $b->kategori->kategori_nama }}</td>
  94         </tr>
  95       @endforeach
  96     </tbody>
  97   </table>
  98 </body>
  99 </html>
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7	Selanjutnya, Kita coba untuk melakukan proses download export pdf. Amati dan pelajari...!!!																																																																													
 <p>The screenshot shows a web application interface for managing inventory. On the left is a sidebar with navigation links: Dashboard, Data Pengguna, Level User, Data User, Data Barang, Kategori Barang, Data Transaksi, Stok Barang, Supplier, Transaksi Penjualan, Logout, and Logout. The main content area has a header 'Data Barang' and a sub-header 'Daftar barang'. It includes a filter dropdown set to 'Semua', a search bar, and a table with 10 entries. The table columns are: No, Kode Barang, Nama Barang, Harga Beli, Harga Jual, Kategori, and Aksi. Each row contains a set of three buttons: Detail, Edit, and Hapus. At the bottom of the table, there are buttons for Import Barang, Export Barang, Export Pdf, and Tambah Data [Ajax]. The footer includes copyright information and a version number.</p> <table border="1"><thead><tr><th>No</th><th>Kode Barang</th><th>Nama Barang</th><th>Harga Beli</th><th>Harga Jual</th><th>Kategori</th><th>Aksi</th></tr></thead><tbody><tr><td>1</td><td>nas</td><td>Nasi</td><td>10.000</td><td>12.000</td><td>Food and Beverage</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>2</td><td>aym</td><td>Ayam</td><td>8.000</td><td>10.000</td><td>Food and Beverage</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>3</td><td>saw</td><td>Sawi</td><td>5.000</td><td>7.000</td><td>Food and Beverage</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>4</td><td>pmg</td><td>Promag</td><td>8.000</td><td>10.000</td><td>Beauty and Health</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>5</td><td>scr</td><td>Sunscreen</td><td>12.000</td><td>15.000</td><td>Beauty and Health</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>6</td><td>dix</td><td>Dulcolax</td><td>8.000</td><td>10.000</td><td>Beauty and Health</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>7</td><td>myt</td><td>Minyak Telon</td><td>15.000</td><td>19.000</td><td>Baby and Kid</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>8</td><td>pop</td><td>Popok Bayi</td><td>8.000</td><td>20.000</td><td>Baby and Kid</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>9</td><td>bdk</td><td>Bedak Bayi</td><td>8.000</td><td>10.000</td><td>Baby and Kid</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr><tr><td>10</td><td>krs</td><td>Kursi Plastik</td><td>20.000</td><td>22.000</td><td>Home and Care</td><td><button>Detail</button> <button>Edit</button> <button>Hapus</button></td></tr></tbody></table>		No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori	Aksi	1	nas	Nasi	10.000	12.000	Food and Beverage	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	2	aym	Ayam	8.000	10.000	Food and Beverage	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	3	saw	Sawi	5.000	7.000	Food and Beverage	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	4	pmg	Promag	8.000	10.000	Beauty and Health	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	5	scr	Sunscreen	12.000	15.000	Beauty and Health	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	6	dix	Dulcolax	8.000	10.000	Beauty and Health	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	7	myt	Minyak Telon	15.000	19.000	Baby and Kid	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	8	pop	Popok Bayi	8.000	20.000	Baby and Kid	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	9	bdk	Bedak Bayi	8.000	10.000	Baby and Kid	<button>Detail</button> <button>Edit</button> <button>Hapus</button>	10	krs	Kursi Plastik	20.000	22.000	Home and Care	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori	Aksi																																																																								
1	nas	Nasi	10.000	12.000	Food and Beverage	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
2	aym	Ayam	8.000	10.000	Food and Beverage	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
3	saw	Sawi	5.000	7.000	Food and Beverage	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
4	pmg	Promag	8.000	10.000	Beauty and Health	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
5	scr	Sunscreen	12.000	15.000	Beauty and Health	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
6	dix	Dulcolax	8.000	10.000	Beauty and Health	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
7	myt	Minyak Telon	15.000	19.000	Baby and Kid	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
8	pop	Popok Bayi	8.000	20.000	Baby and Kid	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
9	bdk	Bedak Bayi	8.000	10.000	Baby and Kid	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								
10	krs	Kursi Plastik	20.000	22.000	Home and Care	<button>Detail</button> <button>Edit</button> <button>Hapus</button>																																																																								



The screenshot shows two instances of a PDF viewer window. Both windows display the same header information for 'KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI' and 'POLITEKNIK NEGERI MALANG'. The top window shows a full table titled 'LAPORAN DATA BARANG' containing 19 rows of product data. The bottom window shows a smaller table with only one row of data, indicating a filtered or simplified view. The PDF files are also shown in a file explorer window, labeled 'Data Barang 2024-10-18 13_4' and 'Data Barang 2024-10-18 13_39_30.xlsx'.

No	Kode Barang	Nama Barang	Harga Beli	Harga Jual	Kategori
1	20	Jagung	5.000	7.000	Food and Beverage
2	aym	Ayam	8.000	10.000	Food and Beverage
3	mas	Nasi	10.000	12.000	Food and Beverage
4	saw	Sawi	5.000	7.000	Food and Beverage
5	dlx	Dulcolax	8.000	10.000	Beauty and Health
6	pmg	Promag	8.000	10.000	Beauty and Health
7	scr	Sunscreen	12.000	15.000	Beauty and Health
8	bdk	Bedak Bayi	8.000	10.000	Baby and Kid
9	myt	Minyak Telon	15.000	19.000	Baby and Kid
10	pop	Popok Bayi	8.000	20.000	Baby and Kid
11	krs	Kursi Plastik	20.000	22.000	Home and Care
12	pel	Pel	8.000	10.000	Home and Care
13	sap	Sapu	8.000	10.000	Home and Care
14	tbl	Kabel	8.000	10.000	Elektronik
15	lmp	Lampu	8.000	10.000	Elektronik
16	stk	Stop Kontak	8.000	10.000	Elektronik
17	SBK-003	Telur Omega(10 butir)	22.000	25.000	Sembako
18	SNK-003	Sari Roti	11.500	12.500	Makanan Ringan
19	MND-003	Shampo Pantene	17.500	18.500	Peralatan Mandi

Tugas 2 – Implementasi File Export PDF ke semua Fitur

A. Tabel m_level

Langkah	Jawaban/Deskripsi
1	Pertama, tambahkan tombol export ke pdf pada file index.blade.php nya. <pre>resources > views > level > index.blade.php > {>1> <div>.card.card-outline.card-primary </div>.card-header > <div>.card-tools > <a>.btn.btn-warning 1 @extends('layouts.template') 2 @section('content') 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3>{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 <i class="fa fa-file-excel"></i> Export Level User 10 <i class="fa fa-file-pdf"></i> Export Level User 11 <button onclick="modalAction('{{ url('/level/import') }}'" class="btn btn-info">Import Level</button> 12 Tambah 13 <button onclick="modalAction('{{ url('/level/create_ajax') }}'" class="btn btn-sm btn-success mt-1">Tambah Ajax</button></pre>
2	Setelah itu tinggal kita perbaiki route/web.php untuk proses export pdf



	<pre>routes > 🌐 web.php > ⚡ Closure > ⚡ Closure > ⚡ Closure 23 Route::middleware(['auth'])->group(callback: function () { void { 27 Route::middleware(['auth'])->group(callback: function() { void{ 53 //untuk M_LEVEL 54 Route::middleware(['authorize:ADM'])->group(callback: function(): void{ //semua route harus punya role adm baru bisa akses 55 Route::get('level', action: [LevelController::class, 'index']); //menampilkan halaman awal level 56 Route::post('uri: /level/list',action: [LevelController::class,'list']); //menampilkan data level dalam bentuk json 57 Route::get('uri: /level/create',action: [LevelController::class, 'create']); // menampilkan halaman form tambah level 58 Route::get('uri: /level/create_ajax',action: [LevelController::class, 'create_ajax']); //Menampilkan halaman form tambah user Ajax 59 Route::post('uri: /level/ajax',action: [LevelController::class, 'store_ajax']); // Menyimpan data user baru Ajax 60 Route::put('uri: /level',action: [LevelController::class, 'store']); // menyimpan data level baru 61 Route::get('uri: /level/{id}/edit',action: [LevelController::class, 'edit']); // menampilkan halaman form edit level 62 Route::put('uri: /level/{id}',action: [LevelController::class, 'update']); // menyimpan perubahan data level 63 Route::get('uri: /level/{id}/edit_ajax',action: [LevelController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 64 Route::put('uri: /level/{id}/update_ajax',action: [LevelController::class, 'update_ajax']); //menyimpan halaman form edit user ajax 65 Route::get('uri: /level/{id}/delete_ajax',action: [LevelController::class, 'confirm_ajax']); //tampil form confirm delete user ajax 66 Route::delete('uri: /level/{id}/delete_ajax',action: [LevelController::class, 'delete_ajax']); //hapus data user 67 Route::get('uri: /level/{id}/show_ajax',action: [LevelController::class, 'show_ajax']); // menampilkan detail level 68 Route::get('uri: /barang/{id}/show',action: [LevelController::class, 'show']); 69 Route::get('uri: /level/import',action: [LevelController::class, 'import']); //ajax form upload excel 70 Route::post('uri: /level/import_ajax',action: [LevelController::class, 'import_ajax']); //ajax form upload excel 71 Route::get('uri: /level/export_excel',action: [LevelController::class, 'export_excel']); //export_excel 72 Route::get('uri: /level/export_pdf',action: [LevelController::class, 'export_pdf']); //export_pdf 73 Route::delete('uri: /level/{id}',action: [LevelController::class, 'destroy']); // menghapus data level 74 }); }); }</pre>
3	Selanjutnya, buat fungsi export_pdf() pada LevelController.php
4	Selanjutnya, buat view untuk dijadikan pdf dari layout html untuk me-generate html untuk tampilan pdf yang akan disajikan. File bisa dinamai dengan nama export_pdf.blade.php pada folder tabel



```
resources > views > level > export_poliblade.php > html > head > style > table
1  <!DOCTYPE html>
2  <html lang="id">
3  <head>
4      <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
5      <style>
6          body {
7              font-family: "Times New Roman", Times, serif;
8              margin: 8px 20px 5px 20px;
9              line-height: 15px;
10         }
11         table {
12             width: 100%;
13             border-collapse: collapse;
14         }
15         td, th {
16             padding: 4px 3px;
17         }
18         th {
19             text-align: left;
20         }
21         .d-block {
22             display: block;
23         }
24         img.image {
25             width: auto;
26             height: 80px;
27             max-width: 150px;
28             max-height: 150px;
29         }
30         .text-right {
31             text-align: right;
32         }
33         .text-center {
34             text-align: center;
35         }
36         .p-1 {
37             padding: 5px 1px;
38         }
39         .font-10 {
40             font-size: 10pt;
41         }
42         .font-11 {
43             font-size: 11pt;
44         }
45         .font-12 {
46             font-size: 12pt;
47         }
48         .font-13 {
49             font-size: 13pt;
50         }
51         .border-bottom-header {
52             border-bottom: 1px solid;
53         }
54         .border-all, .border-all th, .border-all td {
55             border: 1px solid;
56         }
57     </style>
58 </head>
59 <body>
60     <table class="border-bottom-header">
61         <tr>
62             <td width="15%" class="text-center">
63                 
64             </td>
65             <td width="85%">
66                 <span class="text-center d-block font-11 font-bold mb-1">KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI</span>
67                 <span class="text-center d-block font-13 font-bold mb-1">POLITEKNIK NEGERI MALANG</span>
68                 <span class="text-center d-block font-10">Jl. Soekarno-Hatta No. 9 Malang 65141</span>
69                 <span class="text-center d-block font-10">Telepon (0341) 404424 Pes. 101-105, 0341-404420, Fax. (0341) 404420</span>
70                 <span class="text-center d-block font-10">Laman: www.polinema.ac.id</span>
71             </td>
72         </tr>
73     </table>
74     <h3 class="text-center">LAPORAN DATA LEVEL USER</h3>
75     <table class="border-all">
76         <thead>
77             <tr>
78                 <th class="text-center">No</th>
79                 <th>Kode Level</th>
80                 <th>Nama Level</th>
81             </tr>
82         </thead>
83         <tbody>
84             @foreach($level as $b)
85             <tr>
86                 <td class="text-center">{{ $loop->iteration }}</td>
87                 <td>{{ $b->level_kode }}</td>
88                 <td>{{ $b->level_nama }}</td>
89             </tr>
90             @endforeach
91         </tbody>
92     </table>
93 </body>
94 </html>
```



5

Hasil akhir

ID	Kode Level	Nama Level	Aksi
1	ADM	Administrator	[Detail] [Edit] [Hapus]
2	MNG	Manager	[Detail] [Edit] [Hapus]
3	STF	Staff/Kasir	[Detail] [Edit] [Hapus]
4	CUS	Pelanggan	[Detail] [Edit] [Hapus]
5	DRK	Direktur	[Detail] [Edit] [Hapus]
6	CLT	Client	[Detail] [Edit] [Hapus]

6

Percobaan download export pdf

No	Kode Level	Nama Level
1	ADM	Administrator
2	MNG	Manager
3	STF	Staff/Kasir
4	CUS	Pelanggan
5	DRK	Direktur
6	CLT	Client



LAPORAN DATA LEVEL USER

No	Kode Level	Nama Level
1	ADM	Administrator
2	MNG	Manager
3	STF	Staff/Kasir
4	CUS	Pelanggan
5	DRK	Direktur
6	CLT	Client

B. Tabel m_user

Langkah	Jawaban/Deskripsi
1	Pertama, tambahkan tombol export ke pdf pada file <code>index.blade.php</code> nya.
2	Setelah itu tinggal kita perbaiki <code>route/web.php</code> untuk proses export pdf



	<pre>routes > 🐾 web.php > ⚡ Closure > ⚡ Closure > ⚡ Closure 23 Route::middleware(['auth'])->group(function(): void { 27 Route::middleware(['auth'])->group(function(): void { 31 Route::middleware(['authorize:ADM'])->group(function(): void { 32 Route::get('user', [UserController::class, 'index']); // menampilkan halaman user 33 Route::post('user/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json datatables 34 Route::get('user/create', [UserController::class, 'create']); //menampilkan halaman tambah user 35 Route::get('user/create_ajax', [UserController::class, 'create_ajax']); //Menampilkan halaman form tambah user Ajax 36 Route::post('user/ajax', [UserController::class, 'store_ajax']); // menyimpan data user baru Ajax 37 Route::get('user/{id}', [UserController::class, 'show']); //menampilkan detail user 38 Route::get('user/{id}/show_ajax', [UserController::class, 'show_ajax']); 39 Route::get('user/{id}/edit', [UserController::class, 'edit']); //menampilkan halaman form user edit 40 Route::put('user/{id}', [UserController::class, 'update']); //menyimpan perubahan data user 41 Route::get('user/{id}/edit_ajax', [UserController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 42 Route::put('user/{id}/update_ajax', [UserController::class, 'update_ajax']); //menyimpan halaman form edit user ajax 43 Route::get('user/{id}/delete_ajax', [UserController::class, 'confirm_ajax']); //tampil form confirm delete user ajax 44 Route::delete('user/{id}/delete_ajax', [UserController::class, 'delete_ajax']); //hapus data user 45 Route::get('user/import', [UserController::class, 'import']); //ajax form upload excel 46 Route::post('user/import_ajax', [UserController::class, 'import_ajax']); //ajax form upload excel 47 Route::get('user/export_excel', [UserController::class, 'export_excel']); //export_excel 48 Route::get('user/export_pdf', [UserController::class, 'export_pdf']); //export_pdf 49 Route::delete('user/{id}', [UserController::class, 'destroy']); //menghapus data user 50 }); 51 }); 52 }); 53 </pre>
3	Selanjutnya, buat fungsi <code>export_pdf()</code> pada <code>UserController.php</code>
4	Selanjutnya, buat view untuk dijadikan pdf dari layout html untuk me-generate html untuk tampilan pdf yang akan disajikan. File bisa dinamai dengan nama <code>export_pdf.blade.php</code> pada folder tabel



```
resources > views > user > 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         .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>
```



```
resources > views > user > 🗃 export_pdf.blade.php > 🗃 html > 🗃 head > 🗃 style > 🗃 .border-all
  1 <html>
  2   <body>
  3     <table class="border-bottom-header">
  4       <tr>
  5         <td width="15%" class="text-center">
  6           
  7         </td>
  8         <td width="85%">
  9           <span class="text-center d-block font-11 font-bold mb-1">KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI</span>
 10           <span class="text-center d-block font-13 font-bold mb-1">POLITEKNIK NEGERI MALANG</span>
 11           <span class="text-center d-block font-10">Jl. Soekarno-Hatta No. 9 Malang 65141</span>
 12           <span class="text-center d-block font-10">Telepon (0341) 404424 Pes. 101105, 0341-404420, Fax. (0341) 404420</span>
 13           <span class="text-center d-block font-10">Laman: www.polinema.ac.id</span>
 14         </td>
 15     </tr>
 16   </table>
 17
 18   <h3 class="text-center">LAPORAN DATA USER</h3>
 19   <table class="border-all">
 20     <thead>
 21       <tr>
 22         <th class="text-center">No</th>
 23         <th>Username</th>
 24         <th>Nama</th>
 25         <th>Level Pengguna</th>
 26       </tr>
 27     </thead>
 28     <tbody>
 29       @foreach($user as $u)
 30         <tr>
 31           <td class="text-center">{{ $loop->iteration }}</td>
 32           <td>{{ $u->username }}</td>
 33           <td>{{ $u->nama }}</td>
 34           <td>{{ $u->level->level_nama }}</td>
 35         </tr>
 36       @endforeach
 37     </tbody>
 38   </table>
 39
 40 </body>
 41
 42 </html>
```

5

Hasil akhir

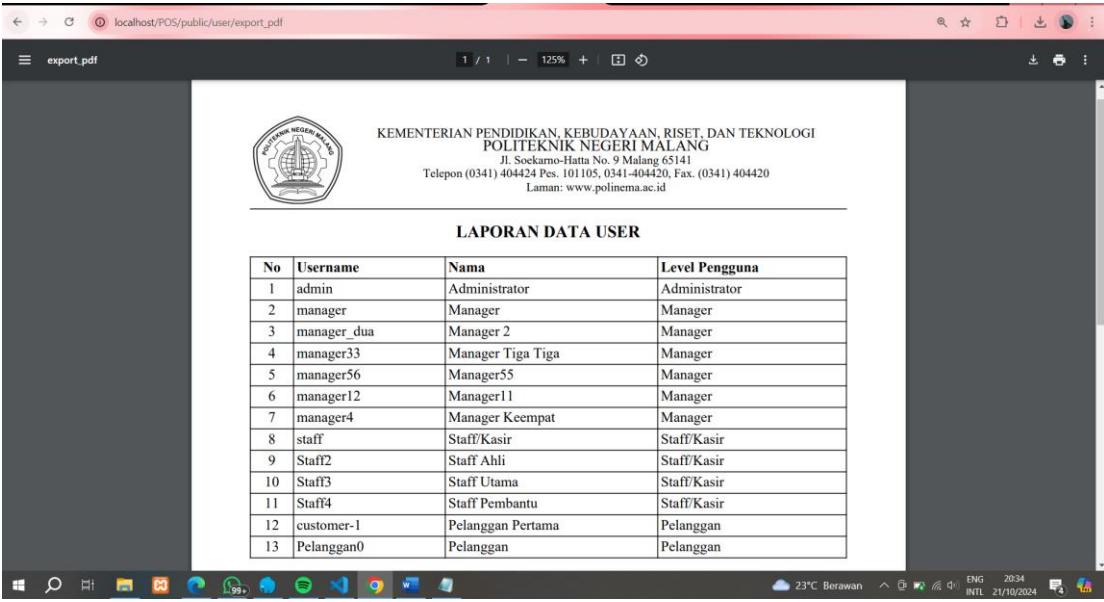
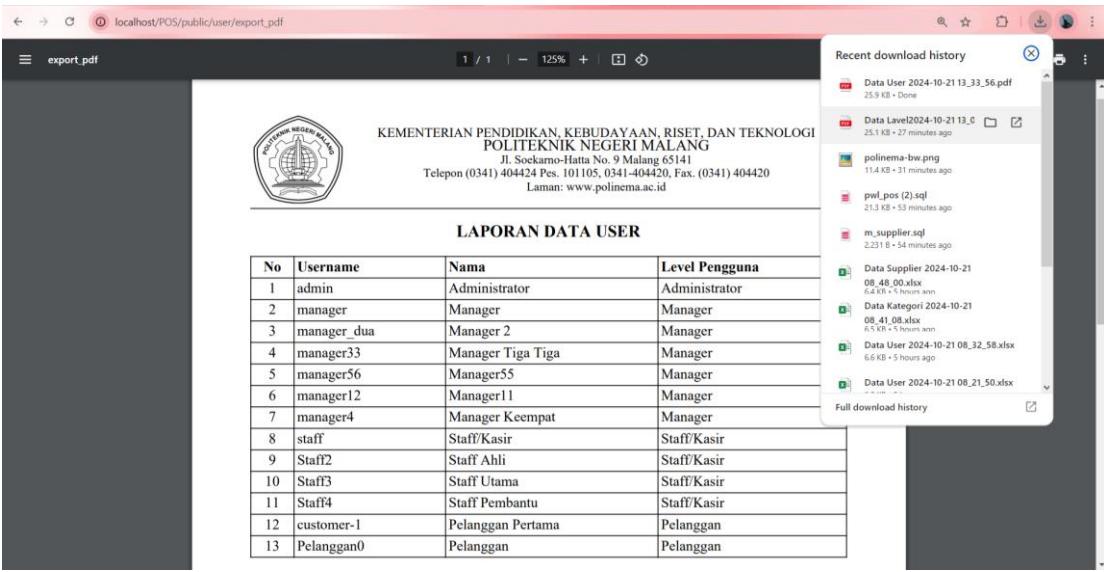
The screenshot shows a web application interface titled "PWL - Starter Code". On the left is a sidebar with navigation links: Dashboard, Data Pengguna, Level User, Data User (which is highlighted in blue), Data Barang, Kategori Barang, Data Barang, Data Transaksi, Stok Barang, Supplier, Transaksi Penjualan, Logout, and Logout.

The main content area is titled "Daftar User" and displays a table of user data. The table has columns: ID, Username, Nama, Level Pengguna, and Aksi (Actions). The data is as follows:

ID	Username	Nama	Level Pengguna	Aksi
1	admin	Administrator	Administrator	[Detail, Edit, Hapus]
2	manager	Manager	Manager	[Detail, Edit, Hapus]
3	staff	Staff/Kasir	Staff/Kasir	[Detail, Edit, Hapus]
4	customer-1	Pelanggan Pertama	Pelanggan	[Detail, Edit, Hapus]
5	manager_dua	Manager 2	Manager	[Detail, Edit, Hapus]
6	manager33	Manager Tiga Tiga	Manager	[Detail, Edit, Hapus]
7	manager56	Manager55	Manager	[Detail, Edit, Hapus]
8	manager12	Manager11	Manager	[Detail, Edit, Hapus]
9	Pelanggan0	Pelanggan	Pelanggan	[Detail, Edit, Hapus]

At the top right of the main content area, there are buttons for "Export User" (blue), "Import Data User" (yellow), "Tambah" (green), and "Tambah Ajax" (green).



	
6	Percobaan download export pdf 

C. Tabel m_kategori

Langkah	Jawaban/Deskripsi
1	Pertama, tambahkan tombol export ke pdf pada file index.blade.php nya.



	<pre>resources > views > kategori > index.blade.php > { "t" > div.card.card-outline.card-primary > div.card-header > div.card-tools > a.btn.btn-warning 1 @extends('layouts.template') 2 <section>'content' 3 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 4 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 5 <div class="card card-outline card-primary"> 6 <div class="card-header"> 7 <h3 class="card-title">{{ \$page->title }}</h3> 8 <div class="card-tools"> 9 i class="fa fa-file-excel"></i> Export Kategori Barang 10 i class="fa fa-file-pdf"></i> Export Kategori Barang 11 <button onclick="modalAction('{{ url('/kategori/import') }})" class="btn btn-info">Import Data Kategori</button> 12 Tambah 13 <button onclick="modalAction('{{ url('kategori/create_ajax') }})" class="btn btn-success mt-1">Tambah Ajax</button> 14 </div> 15 </div></pre>
2	Setelah itu tinggal kita perbaiki <code>route/web.php</code> untuk proses export pdf
	<pre>routes > web.php > Closure > Closure > Closure 23 <Route : middleware[middleware: ['auth']]>->group(callback: function ()> void { 27 <Route : middleware[middleware: ['auth']]>->group(callback: function(): void { 77 // TABEL KATEGORI 78 <Route : middleware[middleware: ['authorize:ADM,MNG,STF,CUS']]>->group(callback: function(): void{ 79 Route::get(uri: '/kategori', action: [KategoriController::class, 'index']); //menampilkan halaman awal level 80 Route::post(uri: '/kategori/list',action: [KategoriController::class,'list']); //menampilkan data kategori dalam bentuk json 81 Route::get(uri: '/kategori/create', action: [KategoriController::class, 'create']); // menampilkan halaman form tambah kategori 82 Route::get(uri: '/kategori/create_ajax', action: [KategoriController::class, 'create_ajax']); //Menampilkan halaman form tambah user ajax 83 Route::post(uri: '/kategori/ajax', action: [KategoriController::class, 'store ajax']); // Menyimpan data user baru ajax 84 Route::post(uri: '/kategori', action: [KategoriController::class, 'store']); // menyimpan data kategori baru 85 Route::get(uri: '/kategori/{id}/edit', action: [KategoriController::class, 'edit']); // menampilkan halaman form edit kategori 86 Route::put(uri: '/kategori/{id}', action: [KategoriController::class, 'update']); // menyimpan perubahan data kategori 87 Route::get(uri: '/kategori/{id}/edit_ajax', action: [KategoriController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 88 Route::put(uri: '/kategori/{id}/update_ajax', action: [KategoriController::class, 'update_ajax']); //menyimpan halaman form edit user ajax 89 Route::get(uri: '/kategori/{id}/delete_ajax', action: [KategoriController::class, 'confirm_ajax']); //tampil form confirm delete user ajax 90 Route::delete(uri: '/kategori/{id}/delete_ajax', action: [KategoriController::class, 'delete_ajax']); //hapus data user 91 Route::get(uri: '/kategori/{id}', action: [KategoriController::class, 'show']); // menampilkan detail level 92 Route::get(uri: '/kategori/{id}/show_ajax', action: [KategoriController::class, 'show_ajax']); //menampilkan detail level 93 Route::get(uri: '/kategori/import', action: [KategoriController::class, 'import']); //ajax form upload excel 94 Route::post(uri: '/kategori/import_ajax', action: [KategoriController::class, 'import_ajax']); //ajax form upload excel 95 Route::get(uri: '/kategori/export_excel', action: [KategoriController::class, 'export_excel']); //export_excel 96 Route::get(uri: '/kategori/export_pdf', action: [KategoriController::class, 'export_pdf']); //export_pdf 97 Route::delete(uri: '/kategori/{id}', action: [KategoriController::class, 'destroy']); // menghapus data kategori 98 }); 99 }); 100 </pre>
3	Selanjutnya, buat fungsi <code>export_pdf()</code> pada <code>KategoriController.php</code>
	<pre>app > Http > Controllers > KategoriController.php > ... 12 <class KategoriController extends Controller 13 1 reference 0 overrides 387 public function export_pdf(): Response 388 { 389 \$kategori = KategoriModel::select(columns: 'kategori_id', 'kategori_kode', 'kategori_nama') 390 ->get(); 391 \$pdf = Pdf::loadView('kategori.export_pdf', ['kategori' => \$kategori]); 392 \$pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi 393 \$pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url \$pdf->render(); 394 return \$pdf->stream('Data Kategori' . date(format: 'Y-m-d H:i:s') . '.pdf'); 395 } 396 } 397 }</pre>
4	Selanjutnya, buat view untuk dijadikan pdf dari layout html untuk me-generate html untuk tampilan pdf yang akan disajikan. File bisa dinamai dengan nama <code>export_pdf.blade.php</code> pada folder tabel



```
resources > views > kategori > 🗃 export_pdf.blade.php > 📄 html
1   <!DOCTYPE html>
2   <html lang="id">
3   <head>
4       <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
5       <style>
6           body {
7               font-family: "Times New Roman", Times, serif;
8               margin: 6px 20px 5px 20px;
9               line-height: 15px;
10          }
11          table {
12              width: 100%;
13              border-collapse: collapse;
14          }
15          td, th {
16              padding: 4px 3px;
17          }
18          th {
19              text-align: left;
20          }
21          .d-block {
22              display: block;
23          }
24          img.image {
25              width: auto;
26              height: 80px;
27              max-width: 150px;
28              max-height: 150px;
29          }
30          .text-right {
31              text-align: right;
32          }
33          .text-center {
34              text-align: center;
35          }
36          .p-1 {
37              padding: 5px 1px;
38          }
39          .font-10 {
40              font-size: 10pt;
41          }
42          .font-11 {
43              font-size: 11pt;
44          }
45          .font-12 {
46              font-size: 12pt;
47          }
48          .font-13 {
49              font-size: 13pt;
50          }
51          .border-bottom-header {
52              border-bottom: 1px solid;
53          }
54          .border-all, .border-all th, .border-all td {
55              border: 1px solid;
56          }
57      </style>
58  </head>
```



	<pre>resources > views > kategori > 🗃 export_pdf.blade.php > 🗃 html > 🗃 body > 🗃 table.border-bottom-header > 🗃 tr 2 <html lang="id"> 3 <head> 58 </head> 59 <body> 60 <table class="border-bottom-header"> 61 <tr> 62 <td width="15%" class="text-center"> 63 64 </td> 65 <td width="85%"> 66 KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI 67 POLITEKNIK NEGERI MALANG 68 Jl. Soekarno-Hatta No. 9 Malang 65141 69 Telepon (0341) 404424 Pes. 101-105, 0341-404420, Fax. (0341) 404420 70 Laman: www.polinema.ac.id 71 </td> 72 </tr> 73 </table> 74 <h3 class="text-center">LAPORAN DATA KATEGORI</h3> 75 <table class="border-all"> 76 <thead> 77 <tr> 78 <th class="text-center">No</th> 79 <th>Kode Kategori</th> 80 <th>Nama Kategori</th> 81 </tr> 82 </thead> 83 <tbody> 84 @foreach(\$kategori as \$b) 85 <tr> 86 <td class="text-center">{{ \$loop->iteration }}</td> 87 <td>{{ \$b->kategori_kode }}</td> 88 <td>{{ \$b->kategori_nama }}</td> 89 </tr> 90 @endforeach 91 </tbody> 92 </table> 93 </body> 94 </html></pre>
5	Hasil akhir

ID	Kode Kategori	Nama Kategori	Aksi
1	fnb	Food and Beverage	[Detail] [Edit] [Hapus]
2	bnh	Beauty and Health	[Detail] [Edit] [Hapus]
3	bnk	Baby and Kid	[Detail] [Edit] [Hapus]
4	hnc	Home and Care	[Detail] [Edit] [Hapus]
5	elk	Elektronik	[Detail] [Edit] [Hapus]
6	SBK	Sembako	[Detail] [Edit] [Hapus]
7	SNK	Makanan Ringan	[Detail] [Edit] [Hapus]
8	MND	Peralatan Mandi	[Detail] [Edit] [Hapus]
9	BAY	Keperluan Bayi	[Detail] [Edit] [Hapus]
10	MNM	Minuman	[Detail] [Edit] [Hapus]



		
6		

		
6		

D. Tabel m_supplier

Langkah	Jawaban/Deskripsi
1	Pertama, tambahkan tombol export ke pdf pada file index.blade.php nya.



	<pre>resources > views > supplier > index.blade.php > {} "1" > div.card.card-outline.card-primary > div.card-header > div.card-tools > a.btn.btn-warning 1 @extends('layouts.template') 2 @section('content') 3 4 <div id="myModal" class="modal fade animate shake" tabindex="-1" role="dialog" data-backdrop="static" 5 data-keyboard="false" data-width="75%" aria-hidden="true"></div> 6 7 <div class="card card-outline card-primary"> 8 <div class="card-header"> 9 <h3 class="card-title">{{ \$page->title }}</h3> 10 <div class="card-tools"> 11 <i class="fa fa-file-excel"></i> Export Supplier 12 <i class="fa fa-file-pdf"></i> Export Supplier 13 <button onclick="modalAction('{{ url('/supplier/import') }}'" class="btn btn-info">Import Data Supplier</button> 14 Tambah 15 <button onclick="modalAction('{{ url('supplier/create_ajax') }}')" class="btn btn-success mt-1">Tambah Ajax</button> 16 </div> 17 </div> 18 </div></pre>
2	Setelah itu tinggal kita perbaiki <code>route/web.php</code> untuk proses export pdf
	<pre>routes > web.php > Closure > Closure 23 Route::middleware(['auth'])->group(callback: function (): void { 27 Route::middleware(['auth'])->group(callback: function(): void{ 100 // TABEL SUPPLIER 101 <Route::middleware(['authorize:ADM,MNG'])->group(callback: function(): void{ 102 Route::get(uri: '/supplier', action: [SupplierController::class, 'index']); //menampilkan halaman awal level 103 Route::post(uri: '/supplier/list',action: [SupplierController::class,'list']); //menampilkan data Supplier dalam bentuk json 104 Route::get(uri: '/supplier/create', action: [SupplierController::class, 'create']); // menampilkan halaman form tambah Supplier 105 Route::get(uri: '/supplier/create_ajax', action: [SupplierController::class, 'create_ajax']); // menampilkan halaman form tambah supplier Ajax 106 Route::post(uri: '/supplier/ajax', action: [SupplierController::class, 'store_ajax']); // menyimpan data supplier baru Ajax 107 Route::post(uri: '/supplier', action: [SupplierController::class, 'store']); // menyimpan data Supplier baru 108 Route::get(uri: '/supplier/{id}/edit', action: [SupplierController::class, 'edit']); // menampilkan halaman form edit Supplier 109 Route::put(uri: '/supplier/{id}', action: [SupplierController::class, 'update']); // menyimpan perubahan data Supplier 110 Route::get(uri: '/supplier/{id}/edit_ajax', action: [SupplierController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax 111 Route::put(uri: '/supplier/{id}/update_ajax', action: [SupplierController::class, 'update_ajax']); // menyimpan perubahan data supplier Ajax 112 Route::get(uri: '/supplier/{id}/delete_ajax', action: [SupplierController::class, 'confirm_ajax']); // untuk tampilkan form confirm delete supplier Ajax 113 Route::delete(uri: '/supplier/{id}/delete_ajax', action: [SupplierController::class, 'delete_ajax']); // untuk hapus data supplier Ajax 114 Route::get(uri: '/supplier/{id}', action: [SupplierController::class, 'show']); // menampilkan detail level 115 Route::get(uri: '/supplier/{id}/show_ajax', action: [SupplierController::class, 'show_ajax']); 116 Route::get(uri: '/supplier/import', action: [SupplierController::class, 'import']); //ajax form upload excel 117 Route::post(uri: '/supplier/import_ajax', action: [SupplierController::class, 'import_ajax']); //ajax form upload excel 118 Route::get(uri: '/supplier/export_excel', action: [SupplierController::class, 'export_excel']); //export_excel 119 Route::get(uri: '/supplier/export_pdf', action: [SupplierController::class, 'export_pdf']); //export_pdf 120 Route::delete(uri: '/supplier/{id}', action: [SupplierController::class, 'destroy']); // menghapus data Supplier 121 }); 122});</pre>
3	Selanjutnya, buat fungsi <code>export_pdf()</code> pada <code>SupplierController.php</code>
	<pre>app > Http > Controllers > SupplierController.php > PHP > SupplierController > export_pdf() 13 class SupplierController extends Controller 14 15 1 reference 0 overrides 16 17 public function export_pdf(): Response 18 { 19 20 \$supplier = SupplierModel::select(columns: 'supplier_id', 'supplier_kode', 'supplier_nama', 'supplier_alamat') 21 ->get(); 22 // use Barryvdh\DomPDF\Facade\Pdf; 23 \$pdf = Pdf::loadView('supplier.export_pdf', ['supplier' => \$supplier]); 24 \$pdf->setPaper('a4', 'portrait'); // set ukuran kertas dan orientasi 25 \$pdf->setOption("isRemoteEnabled", true); // set true jika ada gambar dari url \$pdf->render(); 26 return \$pdf->stream('Data Supplier' . date(format: 'Y-m-d H:i:s') . '.pdf'); 27 28 } 29 30 ?> The closing ?> tag should be omitted from files containing only PHP.</pre>
4	Selanjutnya, buat view untuk dijadikan pdf dari layout html untuk me-generate html untuk tampilan pdf yang akan disajikan. File bisa dinamai dengan nama <code>export_pdf.blade.php</code> pada folder tabel



```
resources > views > supplier > * export_pdf.blade.php > ...
1  <!DOCTYPE html>
2  <html lang="id">
3  <head>
4      <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
5      <style>
6          body {
7              font-family: "Times New Roman", Times, serif;
8              margin: 6px 20px 5px 20px;
9              line-height: 15px;
10         }
11         table {
12             width: 100%;
13             border-collapse: collapse;
14         }
15         td, th {
16             padding: 4px 3px;
17         }
18         th {
19             text-align: left;
20         }
21         .d-block {
22             display: block;
23         }
24         img.image {
25             width: auto;
26             height: 80px;
27             max-width: 150px;
28             max-height: 150px;
29         }
30         .text-right {
31             text-align: right;
32         }
33         .text-center {
34             text-align: center;
35         }
36         .p-1 {
37             padding: 5px 1px;
38         }
39         .font-10 {
40             font-size: 10pt;
41         }
42         .font-11 {
43             font-size: 11pt;
44         }
45         .font-12 {
46             font-size: 12pt;
47         }
48         .font-13 {
49             font-size: 13pt;
50         }
51         .border-bottom-header {
52             border-bottom: 1px solid;
53         }
54         .border-all, .border-all th, .border-all td {
55             border: 1px solid;
56         }
57     </style>
58 </head>
```



```
resources > views > supplier > 📄 export_pdf.blade.php > ...
  2  <html lang="id">
  3    <body>
  4      <table class="border-bottom-header">
  5        <tr>
  6          <td width="15%" class="text-center">
  7            
  8          </td>
  9          <td width="85%">
 10            <span class="text-center d-block font-11 font-bold mb-1">KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI</span>
 11            <span class="text-center d-block font-13 font-bold mb-1">POLITEKNIK NEGERI MALANG</span>
 12            <span class="text-center d-block font-10">Jl. Soekarno-Hatta No. 9 Malang 65141</span>
 13            <span class="text-center d-block font-10">Telepon (0341) 404424 Pes. 101-105, 0341-404420, Fax. (0341) 404420</span>
 14            <span class="text-center d-block font-10">Laman: www.polinema.ac.id</span>
 15          </td>
 16        </tr>
 17      </table>
 18      <h3 class="text-center">LAPORAN DATA SUPPLIER</h3>
 19      <table class="border-all">
 20        <thead>
 21          <tr>
 22            <th class="text-center">No</th>
 23            <th>Kode Supplier</th>
 24            <th>Nama Supplier</th>
 25            <th>Alamat Supplier</th>
 26          </tr>
 27        </thead>
 28        <tbody>
 29          @foreach($stok as $b)
 30            <tr>
 31              <td class="text-center">{{ $loop->iteration }}</td>
 32              <td>{{ $b->supplier_kode }}</td>
 33              <td>{{ $b->supplier_nama }}</td>
 34              <td>{{ $b->supplier_alamat }}</td>
 35            </tr>
 36          @endforeach
 37        </tbody>
 38      </table>
 39    </body>
 40  </html>
```

5

Hasil akhir

ID	Kode Supplier	Nama Supplier	Alamat Supplier	Aksi
1	yol	Yolanda Supplier	Jln Hamidrusdi No.102	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
2	snd	Sendi Supplier	Jln Buring No.54	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
3	lly	Liya Supplier	Jln Tuban no 65	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
4	nels	Nela Supplier	Jln yerusalem No.4	<button>Detail</button> <button>Edit</button> <button>Hapus</button>
5	nei	Neisy Supplier	Jln Bandung No.2	<button>Detail</button> <button>Edit</button> <button>Hapus</button>



The screenshot shows a web browser window with a pink header bar containing the URL 'localhost/POS/public/supplier/export_pdf'. The main content area displays a PDF titled 'LAPORAN DATA SUPPLIER' with the following table:

No	Kode Supplier	Nama Supplier	Alamat Supplier
1	yol	Yolanda Supplier	Jln Hamidrusdi No.102
2	snd	Sendi Supplier	Jln Buring No.54
3	liy	Liya Supplier	Jln Tuban no 65
4	nels	Nela Supplier	Jln yerusalem No.4
5	nei	Neisy Supplier	Jln Bandung No.2

6 Percobaan download export pdf

The screenshot shows a web browser window with a pink header bar containing the URL 'localhost/POS/public/supplier/export_pdf'. A download dialog box is visible in the top right corner with the file name 'Data Supplier2024-10-21 13_57_35.pdf' and a size of '25.2 KB'. The main content area displays a PDF titled 'LAPORAN DATA SUPPLIER' with the following table:

No	Kode Supplier	Nama Supplier	Alamat Supplier
1	yol	Yolanda Supplier	Jln Hamidrusdi No.102
2	snd	Sendi Supplier	Jln Buring No.54
3	liy	Liya Supplier	Jln Tuban no 65
4	nels	Nela Supplier	Jln yerusalem No.4
5	nei	Neisy Supplier	Jln Bandung No.2

Tugas 4 – Implementasi Upload File Gambar

Langkah	Jawaban/Deskripsi
1	Pertama, lakukan modifikasi kode pada file <code>UserModels.php</code> seperti berikut.



	<pre>app > Models > UserModel.php 1 <?php 2 3 namespace App\Models; 4 5 use Illuminate\Database\Eloquent\Factories\HasFactory; 6 use Illuminate\Database\Eloquent\Model; 7 use Illuminate\Database\Eloquent\Relations\BelongsTo; 8 use Illuminate\Foundation\Auth\User as Authentication; //implementasi class Authenticatable 9 use Illuminate\Foundation\Auth\User as Authenticatable; 10 11 class UserModel extends Authenticatable 12 { 13 use HasFactory; 14 15 protected \$table = 'm_user'; 16 protected \$primaryKey = 'user_id'; 17 18 protected \$fillable = ['username', 'password', 'nama', 'level_id', 'avatar', 'created_at', 'updated_at']; 19 20 protected \$hidden = ['password']; //jangan ditampilkan saat select 21 22 protected \$casts = ['password' => 'hashed']; //casting password agar otomatis di hash 23 24 25 public function level(): BelongsTo 26 { 27 return \$this->belongsTo(LevelModel::class, 'level_id', 'level_id'); 28 } 29 30 public function getRoleName(): string 31 { 32 return \$this->level->level_nama; 33 } 34 35 public function hasRole(\$role): bool 36 { 37 return \$this->level->level_kode == \$role; 38 } 39 40 public function getRole() 41 { 42 return \$this->level->level_kode; 43 } 44 }</pre>
2	Modifikasi juga file UserController.php seperti berikut

```
app > Http > Controllers > UserController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\LevelModel;
6  use App\Models\UserModel;
7  use Illuminate\Http\Request;
8  use Illuminate\Support\Facades\Auth;
9  use Illuminate\Support\Facades\Storage;
10 use Illuminate\Support\Facades\Validator;
11 use PhpOffice\PhpSpreadsheet\IOFactory;
12 use PhpOffice\PhpSpreadsheet\Spreadsheet;
13 use Barryvdh\DomPDF\Facade\Pdf;
14 use Yajra\DataTables\Facades\DataTables;
15
16 21 references | 0 implementations
17 class UserController extends Controller
{
```



```
app > Http > Controllers > UserController.php > ...
16   class UserController extends Controller
17
18   public function index(): Factory|View
19   {
20
21     $breadcrumb = (object) [
22       'title' => 'Daftar User',
23       'list' => ['Home', 'User'],
24     ];
25
26
27     $page = (object) [
28       'title' => 'Daftar user yang terdaftar dalam sistem',
29     ];
30
31     $activeMenu = 'user'; //set menu yang sedang active
32
33     $level = LevelModel::all(); //ambil data level untuk filter level
34
35
36     return view('user.index', [
37       'breadcrumb' => $breadcrumb,
38       'page' => $page,
39       'level' => $level,
40       'activeMenu' => $activeMenu]);
41   }
42
43
44   reference| Overrides
45   public function list(Request $request): JsonResponse
46   {
47
48     $users = UserModel::select(['user_id', 'username', 'nama', 'level_id', 'avatar'])
49       ->with(['level']);
50
51
52     //filter data user berdasarkan level_id
53     if ($request->level_id) {
54       $users->where('level_id', '=', $request->level_id);
55     }
56
57
58     return DataTables::of($users)
59     // menambahkan kolom index / no urut (default nama kolom: DT_RowIndex)
60     ->addIndexColumn()
61     ->editColumn('avatar', function ($user): string {
62       // Cek apakah avatar ada atau gunakan gambar default jika kosong
63       $avatar = $user->avatar ? asset('gambar/' . $user->avatar) : asset('path: gambar/profil-pic.png');
64
65       return '';
66     })
67     ->addColumn('aksi', function ($user): string { // menambahkan kolom aksi
68       // $btn = 'a href="'.url('/user/' . $user->user_id).'" class="btn btn-info btn-sm">Detail</a>';
69       $btn .= '<a href="'.url('/user/' . $user->user_id . '/edit').'" class="btn btn-warning btn-sm">Edit</a>';
70       $btn .= '<form class="d-inline-block" method="POST" action="'.url('/user/' . $user->user_id).'">';
71       csrf_field() . method_field('DELETE') .
72       '<button type="submit" class="btn btn-danger btn-sm" onclick="return confirm(\'Apakah Anda yakin menghapus data ini?\')">>Hapus</button></form>';
73       $btn = '<button onclick="modalAction(' . url(path: "/user/" . $user->user_id . '/') . ')" class="btn btn-info btn-sm">Detail</button>';
74       $btn .= '<button onclick="modalAction(' . url(path: "/user/" . $user->user_id . '/edit_ajax') . ')" class="btn btn-warning btn-sm">Edit</button>';
75       $btn .= '<button onclick="modalAction(' . url(path: "/user/" . $user->user_id . '/delete_ajax') . ')" class="btn btn-danger btn-sm">Hapus</button>';
76       return $btn;
77     })
78     ->rawColumns(['avatar', 'aksi']) // memberitahu bahwa kolom aksi adalah html
79     ->make(true);
80   }
81
82
83
84
85
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239
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242
243
244
245
```



```
app > Http > Controllers > UserController.php > ...
16  class UserController extends Controller
246  public function create(): Factory|View
247  {
248
249      $breadcrumb = (object) [
250          'title' => 'Tambah User',
251          'list' => ['Home', 'User', 'Tambah'],
252      ];
253
254      $page = (object) [
255          'title' => 'Tambah User Baru',
256          ...
257      ];
258
259      $level = LevelModel::all(); //ambil data level untuk ditampilkan di form
260
261      $activeMenu = 'user'; //set menu yang sedang aktif
262
263      return view(view: 'user.create', data: [
264          'breadcrumb' => $breadcrumb,
265          'page' => $page,
266          'level' => $level,
267          'activeMenu' => $activeMenu,
268      ]);
269
270  1 reference | 0 overrides
271  public function store(Request $request): mixed|RedirectResponse
272  {
273
274      $request->validate(
275          rules: [
276              // username harus diisi, berupa string, min 3 karakter, dan bernilai unik di tabel m_user kolom username
277              'username' => 'required|string|min:3|unique:m_user,username',
278              'nama' => 'required|string|max:100',
279              'password' => 'required|min:5',
280              'level_id' => 'required|integer',
281              'avatar' => 'required|image|mimes:jpeg,png,jpg,gif|max:2048',
282          ]
283      );
284
285      UserModel::create(attributes: [
286          'username' => $request->username,
287          'nama' => $request->nama,
288          'password' => $request->password,
289          'level_id' => $request->level_id,
290      ]);
291
292      return redirect(to: '/user')->with(key: 'success', value: 'Data user berhasil disimpan');
293
294  1 reference | 0 overrides
295  public function show(string $id): Factory|View
296  {
297
298      $user = UserModel::with(relations: 'level')->find(id: $id);
299
300      $breadcrumb = (object) [
301          'title' => 'Detail User',
302          'list' => ['Home', 'User', 'Detail'],
303      ];
304
305      $page = (object) [
306          'title' => 'Detail User',
307      ];
308
309      $activeMenu = 'user'; //set menu yang sedang aktif
310
311      return view(view: 'user.show', data: [
```

Tambahkan file profil pada function edit_ajax dan store_ajax seperti berikut



<pre>app > Http > Controllers > UserController.php > ... 16 class UserController extends Controller 17 18 1 reference 0 overrides 19 public function create_ajax(): mixed View 20 { 21 \$level = LevelModel::select(columns: 'level_id', 'level_nama')->get(); 22 23 return view(view: 'user.create_ajax') 24 ->with(key: 'level', value: \$level); 25 } 26 27 1 reference 0 overrides 28 public function store_ajax(Request \$request): JsonResponse mixed\Redirector\RedirectResponse 29 { 30 if (\$request->ajax() \$request->wantsJson()) { 31 \$rules = [32 'level_id' => 'required integer', 33 'username' => 'required string min:3 unique:m_user,username', 34 'nama' => 'required string max:100', 35 'password' => 'required min:5', 36 'avatar' => 'nullable image mimes:jpeg,png,jpg,gif max:2048', 37]; 38 39 // Validator untuk validasi input 40 \$validator = Validator::make(data: \$request->all(), rules: \$rules); 41 42 if (\$validator->fails()) { 43 return response()->json(data: [44 'status' => false, 45 'message' => 'Validasi Gagal', 46 'msgField' => \$validator->errors(), 47]); 48 } 49 50 // Simpan data user tanpa avatar dulu agar ID terbuat 51 \$user = UserModel::create(attributes: [52 'level_id' => \$request->level_id, 53 'username' => \$request->username, 54 'nama' => \$request->nama, 55 'password' => bcrypt(value: \$request->password), 56 'avatar' => 'profil-pic.png', // Default avatar sementara 57]); 58 59 // Jika avatar ada, proses penyimpanan gambar 60 if (\$request->hasfile(key: 'avatar')) { 61 // Gunakan ID user yang baru dibuat untuk nama file 62 \$fileName = 'profile_' . \$user->user_id . '.' . \$request->avatar->getClientOriginalExtension(); 63 64 // Simpan gambar di direktori 'gambar' 65 \$request->avatar->move(public_path('gambar'), \$fileName); 66 67 // Update user dengan nama file avatar baru 68 \$user->avatar = \$fileName; 69 \$user->save(); // Simpan perubahan ke database 70 } 71 72 return response()->json(data: [73 'status' => true, 74 'message' => 'Data User berhasil disimpan', 75]); 76 } 77 78 return redirect(to: '/'); 79 } 80 }</pre>	
3	Sesuaikan kode pada sidebar.blade.php pada folder layout dengan inputan seperti ini.



```
resources > views > layouts > sidebar.blade.php > div.sidebar > nav.mt-2 > ul.nav.nav-pills.nav-sidebar.flex-column > li.nav-item > li.nav-item
1  <div class="sidebar">
25   <nav class="mt-2">
26     <ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview" role="menu" data-accordion="false"
28       with font-awesome or any other icon font library -->
29     <li class="nav-item">
30       <a href="{{ url('/') }}" class="nav-link {{ ($activeMenu == 'dashboard')? 'active' : '' }}>
31         <i class="nav-icon fas fa-tachometer-alt"></i>
32         <p>Dashboard</p>
33       </a>
34     </li>
35     <li class="nav-item">
36       <a href="{{ url('/profil') }}" class="nav-link {{ ($activeMenu == 'profil')? 'active' : '' }}>
37         <i class="nav-icon fas fa-user-circle"></i>
38         <p>Profile Pengguna</p>
39       </a>
40     </li>
41     <li class="nav-header">Data Pengguna</li>
42     <li class="nav-item">
43       <li class="nav-item">
44         {{-- <a href="{{ url('/profile') }}" class="nav-link {{ ($activeMenu == 'profile')? 'active' : '' }}>
45           <i class="nav-icon fas fa-user-circle"></i>
46           <i class="nav-icon far fa-user"></i>
47           <p>Profile</p>
48         </a> --}}
49       </li>
50       <li class="nav-item">
51         <a href="{{ url('/level') }}" class="nav-link {{ ($activeMenu == 'level')? 'active' : '' }}>
52           <i class="nav-icon fas fa-layer-group"></i>
53           <p>Level User</p>
54         </a>
55       </li>
56       <li class="nav-item">
57         <a href="{{ url('/user') }}" class="nav-link {{ ($activeMenu == 'user')? 'active' : '' }}>
58           <i class="nav-icon fa fa-users"></i></i>
59           <p>Data User</p>
60         </a>
61       </li>
62       <li class="nav-header">Data Barang</li>
63       <li class="nav-item">
64         <a href="{{ url('/kategori') }}" class="nav-link {{ ($activeMenu == 'kategori')? 'active' : '' }}>
65           <i class="nav-icon far fa-bookmark"></i>
66           <p>Kategori Barang</p>
67         </a>
68       </li>
69       <li class="nav-item">
70         <a href="{{ url('/barang') }}" class="nav-link {{ ($activeMenu == 'barang')? 'active' : '' }}>
71           <i class="nav-icon far fa-list-alt"></i>
72           <p>Data Barang</p>
73         </a>
74       </li>

```

Maka tampilan website pada sidebar nya akan terdapat profile seperti berikut ini yang terdapat menu tambahan daftar pengguna di daftar user.



The screenshot shows a web application interface with a dark sidebar on the left and a light-colored main content area. The sidebar contains a logo, the title 'PWL - Starter Code', and a list of menu items with corresponding icons. The main content area has a header with 'Selamat Datang' and a sub-header 'Home / Welcome'. It displays a greeting message 'Halo, apakah!!!' and a welcome message 'Selamat datang semua, ini adalah halaman utama dari aplikasi ini.' At the bottom, there is a copyright notice and a version number.

localhost/POS/public/

PWL - Starter Code

Home Contact

Search

Dashboard

Profile Pengguna

Data Pengguna

Level User

Data User

Data Barang

Kategori Barang

Data Barang

Data Transaksi

Stok Barang

Supplier

Transaksi Penjualan

Logout

Log Out

Selamat Datang

Home / Welcome

Halo, apakah!!!

Selamat datang semua, ini adalah halaman utama dari aplikasi ini.

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Version 3.2.0

- 4 Berikut inputan untuk menu edit usernya di file `edit_ajax.blade.php` pada folder `user` dengan inputan seperti ini.



```
resources > views > user > edit_stacked.php > @form#form-edit-[[ $user->user_id ]] > @div#modal-master-[[ $user->user_id ]] modal-dialog modal-lg > @div#modal-content > @script>
72     <script>
73         $(document).ready(function() {
74             // Mengganti foto profil hanya untuk pengguna yang sesuai
75             $('#avatar-{{{ $user->user_id }}}').change(function() {
76                 const userId = "{{ $user->user_id }}"; // ID pengguna saat ini
77                 const reader = new FileReader();
78                 reader.onload = function(e) {
79                     $('#current-avatar-' + userId).attr('src', e.target.result); // Ganti src gambar profil saat ini
80                 }
81                 reader.readAsDataURL(this.files[0]);
82             });
83
84             $('#form-edit-{{{ $user->user_id }}}').validate({
85                 rules: {
86                     level_id: {
87                         required: true,
88                         number: true
89                     },
90                     username: {
91                         required: true,
92                         minlength: 3,
93                         maxlength: 20
94                     },
95                     nama: {
96                         required: true,
97                         minlength: 3,
98                         maxlength: 100
99                     },
100                    password: {
101                         minlength: 5,
102                         maxlength: 20
103                     },
104                     avatar: {
105                         extension: "jpg|jpeg|png"
106                     }
107                 },
108                 submitHandler: function(form) {
109                     var formData = new FormData(form); // Gunakan FormData untuk file upload
110
111                     $.ajax({
112                         url: form.action,
113                         type: form.method,
114                         data: formData,
115                         contentType: false,
116                         processData: false,
117                         success: function(response) {
118                             if (response.status) {
119                                 // Menampilkan notifikasi berhasil
120                                 Swal.fire({
121                                     icon: 'success',
122                                     title: 'Berhasil',
123                                     text: response.message
124                                 }).then(function() {
125                                     // Reload halaman atau update data setelah Swal ditutup
126                                     if (typeof dataser != 'undefined') {
127                                         dataser.ajax.reload(); // Reload data table jika ada
128                                     } else {
129                                         location.reload(); // Reload halaman jika tidak ada dataser
130                                     }
131                                 });
132                             } else {
133                                 // Menampilkan error dari validasi field
134                                 $('.error-text').text('');
135                                 $.each(response.msgField, function(prefix, val) {
136                                     $('#error-' + prefix).text(val[0]);
137                                 });
138
139                                 Swal.fire({
140                                     icon: 'error',
141                                     title: 'Terjadi Kesalahan',
142                                     text: response.message
143                                 });
144                             }
145                         },
146                         error: function(xhr, status, error) {
147                             Swal.fire({
148                                 icon: 'error',
149                                 title: 'Error',
150                                 text: 'Terjadi kesalahan. Silakan coba lagi nanti.'
151                             });
152                         });
153                     return false;
154                 },
155                 errorElement: 'span',
156                 errorPlacement: function(error, element) {
157                     error.addClass('invalid-feedback');
158                     element.closest('.form-group').append(error);
159                 },
160                 highlight: function(element, errorClass, validClass) {
161                     $(element).addClass('is-invalid');
162                 },
163                 unhighlight: function(element, errorClass, validClass) {
164                     $(element).removeClass('is-invalid');
165                 }
166             });
167         });
168     </script>
169     @endumpty
```



Maka tampilan website editnya akan seperti berikut ini.

- 5 Modifikasi juga file `create_ajax.blade.php` pada folder layout dengan inputan seperti ini.

```
resources > views > user > create_ajax.blade.php > script > <function> > submitHandler
1 <form action="{{ url('/user/ajax') }}" method="POST" id="form-tambah" 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">Tambah Data User</h5>
7         <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
8       </div>
9       <div class="modal-body">
10         <div class="form-group">
11           <label>Level Pengguna</label>
12           <select name="level_id" id="level_id" class="form-control" required>
13             <option value=""> Pilih Level </option>
14             @foreach ($level as $l)
15               <option value="{{ $l->level_id }}>{{ $l->level_nama }}</option>
16             @endforeach
17           </select>
18           <small id="error-level_id" class="error-text form-text text-danger"></small>
19         </div>
20         <div class="form-group">
21           <label>Username</label>
22           <input value="" type="text" name="username" id="username" class="form-control" required>
23           <small id="error-username" class="error-text form-text text-danger"></small>
24         </div>
25         <div class="form-group">
26           <label>Nama</label>
27           <input value="" type="text" name="nama" id="nama" class="form-control" required>
28           <small id="error-nama" class="error-text form-text text-danger"></small>
29         </div>
30         <div class="form-group">
31           <label>Password</label>
32           <input value="" type="password" name="password" id="password" class="formcontrol" required>
33           <small id="error-password" class="error-text form-text text-danger"></small>
34         </div>
35         <div class="form-group">
36           <label>Pilih Foto Profil</label>
37           <input type="file" name="avatar" id="avatar" class="formcontrol">
38           <small id="error-avatar" class="error-text form-text textdarger"></small>
39         </div>
40         <div class="modal-footer">
41           <button type="button" data-dismiss="modal" class="btn btn-warning">Batal</button>
42           <button type="submit" class="btn btn-primary">Simpan</button>
43         </div>
44       </div>
45     </div>
46   </form>
```



```
resources > views > user > create_javascript.php < script > < function > < submitHandler>
48
49 < script>
50 $(document).ready(function() {
51     $("#Form-tambah").validate({
52         rules: {
53             level_id: {
54                 required: true,
55                 number: true
56             },
57             username: {
58                 required: true,
59                 minlength: 3,
60                 maxlength: 20
61             },
62             nama: {
63                 required: true,
64                 minlength: 3,
65                 maxlength: 100
66             },
67             password: {
68                 required: true,
69                 minlength: 5,
70                 maxlength: 20
71             },
72             avatar: {
73                 extension: "jpg|jpeg|png"
74             }
75         },
76         submitHandler: function(form) {
77             var formData = new FormData(form); // Gunakan FormData untuk file upload
78
79             $.ajax({
80                 url: form.action,
81                 type: form.method,
82                 data: formData,
83                 contentType: false,
84                 processData: false,
85                 success: function(response) {
86                     if (response.status) {
87                         // Menampilkan notifikasi berhasil
88                         Swal.fire({
89                             icon: 'success',
90                             title: 'Berhasil',
91                             text: response.message
92                         }).then(function() {
93                             // Reload halaman atau update data setelah Swal ditutup
94                             if (typeof dataUser !== 'undefined') {
95                                 dataUser.ajax.reload(); // Reload data table jika ada
96                             } else {
97                                 location.reload(); // Reload halaman jika tidak ada dataUser
98                             }
99                         });
100                     } else {
101                         // Menampilkan error dan validasi field
102                         $('.error-text').text('');
103                         $.each(response.msgField, function(prefix, val) {
104                             $('#error-' + prefix).text(val[0]);
105                         });
106
107                         Swal.fire({
108                             icon: 'error',
109                             title: 'Terjadi Kesalahan',
110                             text: response.message
111                         });
112                     }
113                 },
114                 error: function(xhr, status, error) {
115                     Swal.fire({
116                         icon: 'error',
117                         title: 'Error',
118                         text: 'Terjadi kesalahan. Silakan coba lagi nanti.'
119                     });
120                 }
121             });
122             return false;
123         },
124         errorElement: 'span',
125         errorPlacement: function(error, element) {
126             error.addClass('invalid-feedback');
127             element.closest('.form-group').append(error);
128         },
129         highlight: function(element, errorClass, validClass) {
130             $(element).addClass('is-invalid');
131         },
132         unhighlight: function(element, errorClass, validClass) {
133             $(element).removeClass('is-invalid');
134         }
135     });
136 });
137 </script>
```



Maka tampilan website editnya akan seperti berikut ini.

- 6 Modifikasi juga file `index.blade.php` pada folder `user` agar dapat menampilkan foto profilnya dengan inputan seperti ini di method scriptnya.

```
resources > views > user > 📸 index.blade.php > {} "1" > ⚙️ div.card.card-outline.card-primary
  1 @extends('layouts.template')
  71   <script>
  80     $(document).ready(function() {
  81       var dataUser = $('#table_user').DataTable({
  82         // serverSide: true, jika ingin menggunakan server side processing
  83         serverSide: true,
  84         ajax: {
  85           "url": "{{ url('user/list') }}",
  86           "dataType": "json",
  87           "type": "POST",
  88           "data": function(d){
  89             d.level_id = $('#level_id').val();
  90           }
  91         },
  92         columns: [
  93           {
  94             // nomor urut dari laravel datatable addIndexColumn() data: "DT_RowIndex",
  95             data: "DT_RowIndex",
  96             className: "text-center",
  97             orderable: false,
  98             searchable: false
  99           },
 100           {
 101             // mengambil data level hasil dari ORM berelasi
 102             data: "avatar",
 103             className: "",
 104             orderable: false,
 105             searchable: false
 106           },
 107           {
 108             data: "username",
 109             className: "",
 110             // orderable: true, jika ingin kolom ini bisa diurutkan
 111             orderable: true,
 112             // searchable: true, jika ingin kolom ini bisa dicari
 113             searchable: true
 114           },
 115           {
 116             data: "nama",
 117             className: "",
 118             orderable: true,
 119             searchable: true
 120           }
 121         ]
 122       })
 123     })
 124   </script>
```



7

Modifikasi juga file show.blade.php pada folder user agar dapat menampilkan detail user beserta foto profilnya dengan inputan seperti ini.

```
resources > views > user > show.blade.php > div.card.card-outline.card-primary > div.card-body > div.d-flex.align-items-start > img.img-circle.elevation-2.me-4
3   @extends('layouts.template')
4
5   @section('content')
6     <div class="card card-outline card-primary">
7       <div class="card-header">
8         <h3>{{ $page->title }}</h3>
9       </div>
10      <div class="card-body">
11        @empty($user)
12          <div class="alert alert-danger alert-dismissible">
13            <span><img alt="Icon fas fa-ban" style="vertical-align: middle;" /> Kesalahan!</span>
14            Data yang Anda cari tidak ditemukan.
15          </div>
16        @else
17          <div class="d-flex align-items-start"> 
18            
19          </div>
20          <div class="d-flex flex-wrap"> 
21            <div class="me-4">
26              <label>Nama</label>
27              <div>{{ $user->name }}</div>
28            </div>
29            <div class="d-flex mb-6">
30              <div class="me-4">
35                <label>Username</label>
36                <div>{{ $user->username }}</div>
37              </div>
38            </div>
39          </div>
40
41        @empty
42          <a href="{{ url('user') }}" class="btn btn-sm btn-info">Kembali</a> 
43        </div>
44      </div>
45    </div>
46  </div>
47
48  @endsection
```

```
resources > views > user > show.blade.php > div.card.card-outline.card-primary > div.card-body > div.d-flex.align-items-start
50  @push('css')
51    <style>
52      /* Optional custom styles */
53      .img-circle {
54        border: 3px solid #ddd; /* Add border to the avatar */
55        box-shadow: 0px 4px 12px rgba(0, 0, 0, 0.1); /* Add shadow for better visual effect */
56        margin-right: 20px;
57      }
58
59      .list-group-item {
60        display: flex;
61        justify-content: space-between; /* Align items properly */
62      }
63
64      .card {
65        margin-left: 20px;
66        margin-right: 20px;
67        padding: 5px; /* Menambahkan padding pada card */
68      }
69
70      .me-4{
71        margin-right: 20px;
72        margin-bottom: 20px;
73      }
74
75      h3 {
76        margin-bottom: 0.5rem; /* Menambahkan jarak bawah pada nama pengguna */
77      }
78
79      p {
80        margin-bottom: 0.5rem; /* Menambahkan jarak bawah pada deskripsi pengguna */
81      }
82    </style>
83    @endpush
84
85    @push('js')
86    @endpush
```



Maka tampilan website detail usernya akan seperti berikut ini.

8 Sekarang lakukan penyesuaian pada file web.php pada folder routes

```
routes > web.php > Closure > Closure
11  use App\Http\Controllers\AuthController;
12  use App\Http\Controllers\RegisterController;
13  use App\Http\Controllers\StokController;
14  use App\Http\Controllers\PenjualanController;
15  use App\Http\Controllers\DetailController;
16  use App\Http\Controllers\ProfilController;
17  use App\Http\Controllers\HomeController;
18  use PharloManifest\Author;
19
20 Route::pattern('id', pattern: '[0-9]+'); //artinya ketika ada parameter (id), maka harus berupa angka
21
22 Route::get(uri: '/home', action: [HomeController::class, 'index'])->name('home');
23 // Route::get('/', [WelcomeController::class, 'index'])->name('home');
24 Route::get(uri: 'login', action: [AuthController::class, 'login'])->name('login');
25 Route::post(uri: 'login', action: [AuthController::class, 'postlogin']);
26 Route::get(uri: 'register', action: [AuthController::class, 'register']);
27 Route::post(uri: 'register', action: [AuthController::class, 'store']);
28 Route::get(uri: 'logout', action: [AuthController::class, 'logout'])->middleware('auth');
29
30 Route::middleware(['auth'])->group(callback: function (): void {
31
32     Route::get(uri: '/', action: [WelcomeController::class, 'index']);
33
34     Route::middleware(['auth'])->group(callback: function(): void{
35
36         Route::get(uri: '/', action: [WelcomeController::class, 'index']);
37
38         Route::middleware(['authorize:ADM'])->group(callback: function(): void{
39
40             Route::get(uri: 'user', action: [UserController::class, 'index']); // menampilkan halaman user
41             Route::post(uri: 'user/list', action: [UserController::class, 'list']); //menampilkan data user dalam bentuk json datatables
42             Route::get(uri: 'user/create', action: [UserController::class, 'create']); //menampilkan halaman tambah user
43             Route::get(uri: 'user/create_ajax', action: [UserController::class, 'create_ajax']); //menampilkan halaman form tambah user Ajax
44             Route::post(uri: 'user/ajax', action: [UserController::class, 'store_ajax']); // menyimpan data user baru Ajax
45             Route::post(uri: 'user', action: [UserController::class, 'store']); //menyimpan data user baru
46             Route::get(uri: '/user/{id}', action: [UserController::class, 'show']); //menampilkan detail user
47             Route::get(uri: '/user/{id}/show_ajax', action: [UserController::class, 'show_ajax']);
48             Route::get(uri: '/user/{id}/edit', action: [UserController::class, 'edit']); //menampilkan halaman form user edit
49             Route::put(uri: '/user/{id}', action: [UserController::class, 'update']); //menyimpan gerubahan data user
50             Route::get(uri: '/user/{id}/edit_ajax', action: [UserController::class, 'edit_ajax']); //menampilkan halaman form edit user ajax
51             Route::put(uri: '/user/{id}/update_ajax', action: [UserController::class, 'update_ajax']); //menyimpan halaman form edit user ajax
52             Route::get(uri: '/user/{id}/delete_ajax', action: [UserController::class, 'confirm_ajax']); //tampil form confirm delete user ajax
53             Route::delete(uri: '/user/{id}/delete_ajax', action: [UserController::class, 'delete_ajax']); //hapus data user
54             Route::get(uri: '/user/import', action: [UserController::class, 'import']); //ajax form upload excel
55             Route::post(uri: '/user/import_ajax', action: [UserController::class, 'import_ajax']); //ajax form upload excel
56             Route::get(uri: '/user/export_excel', action: [UserController::class, 'export_excel']); //export_excel
57             Route::get(uri: '/user/export_pdf', action: [UserController::class, 'export_pdf']); //export_pdf
58             Route::delete(uri: '/user/{id}', action: [UserController::class, 'destroy']); //mengahpus data user
59
60         });
61
62         Route::middleware(['authorize:ADM,MNG,STF,PLG,CLT,CUS'])->group(callback: function(): void{
63             Route::get(uri: '/profil', action: [ProfilController::class, 'index']);
64             Route::get(uri: '/profil/{id}/edit_ajax', action: [ProfilController::class, 'edit_ajax']);
65             Route::put(uri: '/profil/{id}/update_ajax', action: [ProfilController::class, 'update_ajax']);
66         });
67
68     });
69
70 });
71
72 Route::middleware(['authorize:ADM,MNG,STF,PLG,CLT,CUS'])->group(callback: function(): void{
73     Route::get(uri: '/profil', action: [ProfilController::class, 'index']);
74     Route::get(uri: '/profil/{id}/edit_ajax', action: [ProfilController::class, 'edit_ajax']);
75     Route::put(uri: '/profil/{id}/update_ajax', action: [ProfilController::class, 'update_ajax']);
76 });
77
78 });
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80 });
81
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83
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9

Lakukan penambahan kolom avatar pada tabel m_user

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0715 seconds.)

```
ALTER TABLE m_user ADD avatar VARCHAR(255) AFTER password;
```

[Edit inline] [Edit] [Create PHP code]

Tampilan akhir database m_user

		user_id	level_id	username	nama	password	avatar	created_at	updated_at
<input type="checkbox"/>		1	1	admin	Administrator	\$2y\$12\$yT2ENG8nFrIUZLMxaJ7EAe.o9/EoNppHPDZPNzLjm... ...	profile_1.jpg	NULL	2024-10-22 14:29:34
<input type="checkbox"/>		2	2	manager	Manager	\$2y\$12\$\$SeFpeouVjEX4zgpawMeSteu4TNGf9VKXBseQOGkleSU... ...	NULL	NULL	NULL
<input type="checkbox"/>		3	3	staff	Staff/Kasir	\$2y\$12\$1C5/dCoP4CYr7B/Jkmnuur012C1Vwic1oUDY42yel... ...	NULL	NULL	NULL
<input type="checkbox"/>		14	4	customer-1	Pelanggan Pertama	\$2y\$12\$0a0Wup0Kxg1BTi5vRP19en82r5ligKI.c1fkzyfK8... ...	NULL	NULL	2024-09-14 07:22:03
<input type="checkbox"/>		15	2	manager_dua	Manager 2	\$2y\$12\$KH5Xv8G6dAQ5LLMd4zQiGuJgEPzXXZk79ak4JdApIa... ...	profil-pic.png	2024-09-18 09:02:37	2024-10-22 14:45:52
<input type="checkbox"/>		16	2	manager33	Manager Tiga Tiga	\$2y\$12\$69Xn5NUUguNTz2al9gJglOvxdYOCbujuUnmr3.7G1Q... ...	NULL	2024-09-19 13:44:44	2024-09-19 13:44:44
<input type="checkbox"/>		17	2	manager56	Manager55	\$2y\$12\$xbNHPhrm09jdTxQE40gnyOLozIGBOYssWqa5zI01Y... ...	NULL	2024-09-19 14:04:12	2024-09-19 14:04:12
<input type="checkbox"/>		18	2	manager12	Manager11	\$2y\$12\$1gLzJ1ISFdimpyp3OSpV4OMvazSHHSG0zK921nYK.sp... ...	NULL	2024-09-19 14:16:20	2024-09-19 14:16:20
<input type="checkbox"/>		23	4	Pelanggan1	Pelanggan	\$2y\$12\$DC63aoBcVj.yrVTJ1qmBuE4OMSmjn1lI48m4iu70C1... ...	profile_23.jpg	2024-10-03 23:36:38	2024-10-22 14:09:29