

Laporan Praktikum Web Lanjut

Jobsheet 3



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**JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
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Praktikum 1 - pengaturan database:

Databases

 Create database 



Create

```
.env x .env.example
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:F8Xovb6XbtQr5WwlpKp2oFDVjP9kjOs1CBHKJJU5ZWM=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8 LOG_DEPRECATIONS_CHANNEL=null
9 LOG_LEVEL=debug
10
11 DB_CONNECTION=mysql
12 DB_HOST=127.0.0.1
13 DB_PORT=3307
14 DB_DATABASE=PWL_POS
15 DB_USERNAME=root
16 DB_PASSWORD=
17
```

Praktikum 2.1 - Pembuatan file migrasi tanpa relasi

```
PS C:\xampp\htdocs\PWL_2024> php artisan make:migration create_m_level_table --create=m_level
```

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\Migrations\2024_03_06_072501_create_m_level_table.php] created successfully.
```

```
PS C:\xampp\htdocs\PWL_2024>
```

```
Schema::create('m_level', function (Blueprint $table){
    $table->id('level_id');
    $table->string('level_kode', 10)->unique();
    $table->string('level_nama', 100);
    $table->timestamps();
});
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan migrate

INFO Preparing database.

Creating migration table ..... 74ms DONE

INFO Running migrations.

2014_10_12_000000_create_users_table ..... 51ms DONE
2014_10_12_100000_create_password_reset_tokens_table ..... 5ms DONE
2019_08_19_000000_create_failed_jobs_table ..... 39ms DONE
2019_12_14_000001_create_personal_access_tokens_table ..... 23ms DONE
2024_03_06_072501_create_m_level_table ..... 17ms DONE
```

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> failed_jobs	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> migrations	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> m_level	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> password_reset_tokens	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> personal_access_tokens	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
6 tables	Sum	5	InnoDB	utf8mb4_general_ci	176.0 KiB	0 B

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\migrations\2024_03_06_073706_create_m_kategori_table.php] created successfully.
```

```
Schema::create('m_kategori', function (Blueprint $table){
    $table->id('kategori_id');
    $table->string('kategori_kode', 10)->unique();
    $table->string('kategori_nama', 100);
    $table->timestamps();
});
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan migrate

INFO Running migrations.

2024_03_06_073706_create_m_kategori_table ..... 24ms DONE
```

<input type="checkbox"/> m_kategori	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> m_level	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-

Praktikum 2.2 - Pembuatan file migrasi dengan relasi

```
PS C:\xampp\htdocs\PWL_2024> php artisan make:migration create_m_user_table --create=m_user
```

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\Migrations\2024_03_06_074531_create_m_user_table.php] created successfully.
```

```
public function up(): void
{
    Schema::create('m_user', function (Blueprint $table) {
        $table->id('user_id');
        $table->unsignedBigInteger('level_id')->index(); // indexing for foreign key
        $table->string('username', 20)->unique(); // unique untuk memastikan tidak ada
        $table->string('nama', 100);
        $table->string('password');
        $table->timestamps();

        // mendefinisikan foreign key pada kolom level_id mengacu pada kolom level_id
        $table->foreign('level_id')->references('level_id')->on('m_level');
    });
}
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan migrate
```

```
INFO Running migrations.
```

```
2024_03_06_074531_create_m_user_table ..... 63ms DONE
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan make:migration create_m_barang_table --create=m_barang
```

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\Migrations\2024_03_06_075320_create_m_barang_table.php] created successfully.
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan make:migration create_t_penjualan_table --create=t_penjualan
```

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\Migrations\2024_03_06_075413_create_t_penjualan_table.php] created successfully.
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan make:migration create_t_stok_table --create=t_stok
```

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\Migrations\2024_03_06_075425_create_t_stok_table.php] created successfully.
```

```
PS C:\xampp\htdocs\PWL_2024> php artisan make:migration create_t_penjualan_detail_table --create=t_penjualan_detail
```

```
INFO Migration [C:\xampp\htdocs\PWL_2024\database\Migrations\2024_03_06_075446_create_t_penjualan_detail_table.php] created successfully.
```

Barang

```
Schema::create('m_barang', function (Blueprint $table) {
    $table->id('barang_id');
    $table->unsignedBigInteger('kategori_id')->index(); // indexing for foreign key
    $table->string('barang_kode', 10)->unique(); // unique untuk memastikan tidak ada kode barang yang sama
    $table->string('barang_nama', 100);
    $table->integer('harga_beli');
    $table->integer('harga_jual');
    $table->timestamps();

    $table->foreign('kategori_id')->references('kategori_id')->on('m_kategori');
});
```

Penjualan

```
Schema::create('t_penjualan', function (Blueprint $table) {
    $table->id('penjualan_id');
    $table->unsignedBigInteger('user_id');
    $table->string('pembeli');
    $table->string('penjualan_kode', 20)->unique();
    $table->dateTime('penjualan_tanggal');
    $table->timestamps();

    $table->foreign('user_id')->references('user_id')->on('m_user');
});
```

Stok

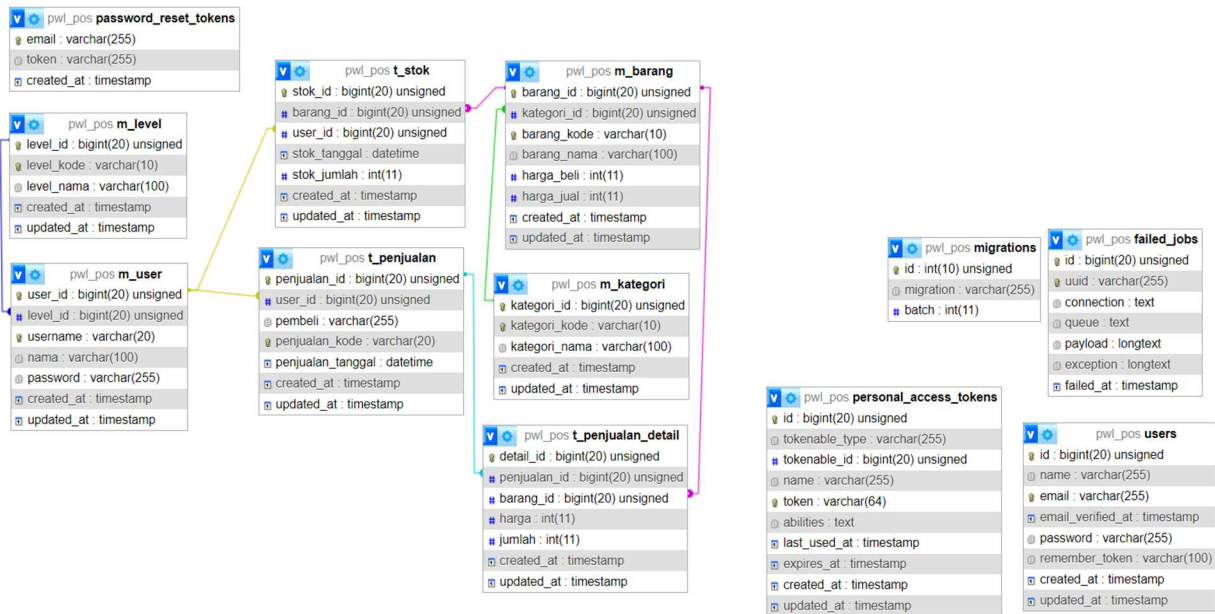
```
Schema::create('t_stok', function (Blueprint $table) {
    $table->id('stok_id');
    $table->unsignedBigInteger('barang_id');
    $table->unsignedBigInteger('user_id');
    $table->dateTime('stok_tanggal');
    $table->integer('stok_jumlah');
    $table->timestamps();

    $table->foreign('barang_id')->references('barang_id')->on('m_barang');
    $table->foreign('user_id')->references('user_id')->on('m_user');
});
```

Penjualan detail

```
Schema::create('t_penjualan_detail', function (Blueprint $table) {
    $table->id('detail_id');
    $table->unsignedBigInteger('penjualan_id');
    $table->unsignedBigInteger('barang_id');
    $table->integer('harga');
    $table->integer('jumlah');
    $table->timestamps();

    $table->foreign('penjualan_id')->references('penjualan_id')->on('t_penjualan');
    $table->foreign('barang_id')->references('barang_id')->on('m_barang');
});
```



Praktikum 3 : membuat file seeder

level

```
PS C:\xampp\htdocs\PHIL_2024> php artisan make:seeder levelSeeder
```

```
INFO Seeder [C:\xampp\htdocs\PHIL_2024\database\seeders\levelSeeder.php] created successfully.
```

```
PS C:\xampp\htdocs\PHIL_2024>
```

```
References: 0 Overrides: 0
public function run(): void
{
    $data = [
        ['level_id' => 1, 'level_kode' => 'ADM', 'level_nama' => 'Administrator'],
        ['level_id' => 2, 'level_kode' => 'MNG', 'level_nama' => 'Manager'],
        ['level_id' => 3, 'level_kode' => 'STF', 'level_nama' => 'Staff/Kasir'],
    ];
    DB::table('m_level')->insert($data);
}
```

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=levelSeeder
```

```
INFO Seeding database.
```

				level_id	level_kode	level_nama	created_at	updated_at
<input type="checkbox"/>				1	ADM	Administrator	NULL	NULL
<input type="checkbox"/>				2	MNG	Manager	NULL	NULL
<input type="checkbox"/>				3	STF	Staff/Kasir	NULL	NULL

user

```
PS C:\xampp\htdocs\POS> php artisan make:seeder UserSeeder
```

```
INFO Seeder [C:\xampp\htdocs\POS\database\seeders\UserSeeder.php] created successfully.
```



```

public function run(): void
{
    $data = [
        [
            'user_id' => 1,
            'level_id' => 1,
            'username' => 'admin',
            'nama' => 'Administrator',
            'password' => Hash::make('12345'), //class untuk mengenkripsi/has
        ],
        [
            'user_id' => 2,
            'level_id' => 2,
            'username' => 'manager',
            'nama' => 'Manager',
            'password' => Hash::make('12345'),
        ],
        [
            'user_id' => 3,
            'level_id' => 3,
            'username' => 'staff',
            'nama' => 'Staff/Kasir',
            'password' => Hash::make('12345'),
        ],
    ];
    DB::table('m_user')->insert($data);
}

```

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=UserSeeder
```

```
INFO Seeding database.
```

<div><div>←</div><div>→</div></div>			user_id	level_id	username	nama	password	created_at	updated_at
<input type="checkbox"/>	<div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div>		1	1	admin	Administrator	\$2y\$12\$I5H39A5oLirYR9hCwDz7DOozKATY0NgUd/9kLnwKqD...	NULL	NULL
<input type="checkbox"/>	<div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div>		2	2	manager	Manager	\$2y\$12\$iiYmVGe4IEfDC8xllUyA9uadueqgapw7celaiyFh/Lo...	NULL	NULL
<input type="checkbox"/>	<div><div><div>Edit</div><div>Copy</div><div>Delete</div></div></div>		3	3	staff	Staff/Kasir	\$2y\$12\$XudCZ.3/uUoIITyOaR67/OAG.X.NC6Qgjac7D3FBNVE...	NULL	NULL

Seeder tabel lain

```
PS C:\xampp\htdocs\POS> php artisan make:seeder KategoriSeeder
```

```
INFO Seeder [C:\xampp\htdocs\POS\database\seeders\KategoriSeeder.php] created successfully.
```

```
PS C:\xampp\htdocs\POS> php artisan make:seeder BarangSeeder
```

```
INFO Seeder [C:\xampp\htdocs\POS\database\seeders\BarangSeeder.php] created successfully.
```

```
PS C:\xampp\htdocs\POS> php artisan make:seeder StokSeeder
```

```
INFO Seeder [C:\xampp\htdocs\POS\database\seeders\StokSeeder.php] created successfully.
```

```
PS C:\xampp\htdocs\POS> php artisan make:seeder PenjualanSeeder
```

```
INFO Seeder [C:\xampp\htdocs\POS\database\seeders\PenjualanSeeder.php] created successfully.
```

```
PS C:\xampp\htdocs\POS> php artisan make:seeder PenjualanDetailSeeder
```

```
INFO Seeder [C:\xampp\htdocs\POS\database\seeders\PenjualanDetailSeeder.php] created successfully.
```

Kategori

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=KategoriSeeder
```

```
INFO Seeding database.
```

				kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	KTG001	Peralatan Mandi	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit	Copy	Delete	2	KTG002	Elektronik	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit	Copy	Delete	3	KTG003	Sembako	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit	Copy	Delete	4	KTG004	Makanan	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit	Copy	Delete	5	KTG005	Minuman	2024-03-07 07:56:30	2024-03-07 07:56:30

Barang

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=BarangSeeder
INFO Seeding database.
```

				barang_id	kategori_id	barang_kode	barang_nama	harga_beli	harga_jual	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	1	BRG001	Sampo	35000	38000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	2	1	BRG002	Sabun	10000	12000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	3	2	BRG003	Kulkas	4000000	4400000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	4	2	BRG004	TV	5000000	5500000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	5	3	BRG005	Beras	50000	57000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	6	3	BRG006	Gula	11000	13000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	7	4	BRG007	Donat	4500	6000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	8	4	BRG008	Roti	18000	20000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	9	5	BRG009	Fanta	6000	8000	2024-03-07 08:18:32	2024-03-07 08:18:32
<input type="checkbox"/>	Edit	Copy	Delete	10	5	BRG010	Coca-cola	6000	7500	2024-03-07 08:18:32	2024-03-07 08:18:32

Stok

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=StokSeeder
INFO Seeding database.
```

				stok_id	barang_id	user_id	stok_tanggal	stok_jumlah	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	1	1	2024-03-07 08:31:08	134	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	2	2	1	2024-03-07 08:31:08	157	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	3	3	1	2024-03-07 08:31:08	20	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	4	4	1	2024-03-07 08:31:08	32	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	5	5	1	2024-03-07 08:31:08	160	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	6	6	1	2024-03-07 08:31:08	235	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	7	7	1	2024-03-07 08:31:08	30	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	8	8	1	2024-03-07 08:31:08	15	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	9	9	1	2024-03-07 08:31:08	48	2024-03-07 08:31:08	2024-03-07 08:31:08
<input type="checkbox"/>	Edit	Copy	Delete	10	10	1	2024-03-07 08:31:08	79	2024-03-07 08:31:08	2024-03-07 08:31:08

Penjualan

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=PenjualanSeeder
INFO Seeding database.
```


← T →		▼ penjualan_id	user_id	pembeli	penjualan_kode	penjualan_tanggal	created_at	updated_at
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	3 Dina	PJL001	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	3 Dina	PJL002	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	3 Dina	PJL003	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	3 Krisna	PJL004	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	3 Krisna	PJL005	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	3 Raffy	PJL006	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	3 Raffy	PJL007	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	3 Raffy	PJL008	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	9	3 Putri	PJL009	2024-03-07 08:34:03	2024-03-07 08:34:03
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	3 Putri	PJL010	2024-03-07 08:34:03	2024-03-07 08:34:03

Penjualan_detail

```
PS C:\xampp\htdocs\POS> php artisan db:seed --class=PenjualanDetailSeeder
```

```
INFO Seeding database.
```

			detail_id	penjualan_id	barang_id	harga	jumlah	created_at	updated_at
<input type="checkbox"/>				1	1	1	38000	1	2024-03-07 08:52:33
<input type="checkbox"/>				2	1	2	12000	2	2024-03-07 08:52:33
<input type="checkbox"/>				3	1	8	20000	2	2024-03-07 08:52:33
<input type="checkbox"/>				4	2	3	4400000	1	2024-03-07 08:52:33
<input type="checkbox"/>				5	2	4	5500000	1	2024-03-07 08:52:33
<input type="checkbox"/>				6	2	10	7500	2	2024-03-07 08:52:33
<input type="checkbox"/>				7	3	10	7500	3	2024-03-07 08:52:33
<input type="checkbox"/>				8	3	7	6000	10	2024-03-07 08:52:33
<input type="checkbox"/>				9	3	6	13000	2	2024-03-07 08:52:33
<input type="checkbox"/>				10	4	1	38000	5	2024-03-07 08:52:33
<input type="checkbox"/>				11	4	2	12000	2	2024-03-07 08:52:33
<input type="checkbox"/>				12	4	5	57000	1	2024-03-07 08:52:33
<input type="checkbox"/>				13	5	5	57000	1	2024-03-07 08:52:33
<input type="checkbox"/>				14	5	2	12000	2	2024-03-07 08:52:33
<input type="checkbox"/>				15	5	1	38000	5	2024-03-07 08:52:33
<input type="checkbox"/>				16	6	3	4400000	1	2024-03-07 08:52:33
<input type="checkbox"/>				17	6	7	6000	2	2024-03-07 08:52:33
<input type="checkbox"/>				18	6	6	13000	3	2024-03-07 08:52:33
<input type="checkbox"/>				19	7	6	13000	3	2024-03-07 08:52:33
<input type="checkbox"/>				20	7	4	5500000	1	2024-03-07 08:52:33
<input type="checkbox"/>				21	7	10	7500	2	2024-03-07 08:52:33
<input type="checkbox"/>				22	8	5	57000	1	2024-03-07 08:52:33
<input type="checkbox"/>				23	8	1	38000	1	2024-03-07 08:52:33
<input type="checkbox"/>				24	8	7	6000	1	2024-03-07 08:52:33
<input type="checkbox"/>				25	9	6	13000	1	2024-03-07 08:52:33
<input type="checkbox"/>				26	9	8	20000	1	2024-03-07 08:52:33
<input type="checkbox"/>				27	9	1	38000	1	2024-03-07 08:52:33
<input type="checkbox"/>				28	10	4	5500000	4	2024-03-07 08:52:33
<input type="checkbox"/>				29	10	3	4400000	6	2024-03-07 08:52:33
<input type="checkbox"/>				30	10	2	12000	2	2024-03-07 08:52:33

Praktikum 4 – Implementasi DB Façade

```
PS C:\xampp\htdocs\POS> php artisan make:controller levelController
```

```
INFO Controller [C:\xampp\htdocs\POS\app\Http\Controllers\levelController.php] created successfully.
```

```
Route::get('/level', [levelController::class, 'index']);
```

INSERT

```
1 reference | 0 overrides
public function index()
{
    DB::insert('insert into m_level(level_kode, level_nama, created_at) values(?, ?, ?)', ['CUS', 'Pelanggan', now()]);

    return 'Insert data baru berhasil';
}
```

←

→

↺

🏠

📘

127.0.0.1:8000/level

Insert data baru berhasil

←T→		level_id	level_kode	level_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	ADM	Administrator	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	MNG	Manager	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	STF	Staff/Kasir	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	CUS	Pelanggan	2024-03-08 06:27:41	NULL

UPDATE

```
// update
$row = DB::update('update m_level set level_nama = ? where level_kode = ?', ['Customer', 'CUS']);
return 'Update data berhasil. Jumlah data yang diupdate: ' . $row . ' baris';
```

←

→

↺

🏠

📘

127.0.0.1:8000/level

Update data berhasil. Jumlah data yang diupdate: 1 baris

←T→		level_id	level_kode	level_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	ADM	Administrator	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	MNG	Manager	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	STF	Staff/Kasir	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	CUS	Customer	2024-03-08 06:27:41	NULL

Delete

```
// delete
$row = DB::delete('delete from m_level where level_kode = ?', ['CUS']);
return 'Delete data berhasil. Jumlah data yang dihapus: ' . $row . ' baris';
```

←

→

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127.0.0.1:8000/level

Delete data berhasil. Jumlah data yang dihapus: 1 baris

←T→		level_id	level_kode	level_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	ADM	Administrator	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	MNG	Manager	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	STF	Staff/Kasir	NULL	NULL

Menampilkan data

```
// menampilkan data
$data = DB::select('select * from m_level');
return view('level', ['data' => $data]);
```

```
resources > views > level.blade.php > html
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Data Level Pengguna</title>
8  </head>
9
10 <body>
11     <h1>Data Level Pengguna</h1>
12     <table border="1" cellpadding="2" cellspacing="0">
13         <tr>
14             <th>ID</th>
15             <th>Kode Level</th>
16             <th>Nama Level</th>
17         </tr>
18         @foreach ($data as $d)
19             <tr>
20                 <td>{{ $d -> level_id }} </td>
21                 <td>{{ $d -> level_kode }} </td>
22                 <td>{{ $d -> level_nama }} </td>
23             </tr>
24         @endforeach
25     </table>
26
27 </body>
28
29 </html>
```

← → ↻ 🏠 ⓘ 127.0.0.1:8000/level

Data Level Pengguna

ID	Kode Level	Nama Level
1	ADM	Administrator
2	MNG	Manager
3	STF	Staff/Kasir

Praktikum 5 – Implementasi Query Builder

```
PS C:\xampp\htdocs\POS> php artisan make:controller KategoriController
```

```
INFO Controller [C:\xampp\htdocs\POS\app\Http\Controllers\KategoriController.php] created successfully.
```

```
Route::get('/kategori', [KategoriController::class, 'index']);
```

```
2 references | 0 implementations
class KategoriController extends Controller
{
    1 reference | 0 overrides
    public function index(){
        $data = [
            'kategori_kode' => 'SMK',
            'kategori_nama' => 'Snack/Makanan Ringan',
            'created_at' => now()
        ];
        DB::table('m_kategori')->insert($data);
        return 'Insert data baru berhasil';
    }
}
```

← → ↺ 🏠 ⓘ 127.0.0.1:8000/kategori

Insert data baru berhasil

← T →		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	 Edit  Copy  Delete	1	KTG001	Peralatan Mandi	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	 Edit  Copy  Delete	2	KTG002	Elektronik	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	 Edit  Copy  Delete	3	KTG003	Sembako	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	 Edit  Copy  Delete	4	KTG004	Makanan	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	 Edit  Copy  Delete	5	KTG005	Minuman	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	 Edit  Copy  Delete	6	SMK	Snack/Makanan Ringan	2024-03-08 07:11:35	NULL

Hapus

```
// update
$row = DB::table('m_kategori')->where('kategori_kode', 'SMK')->update(['kategori_nama' => 'Camilan']);
return 'Update data berhasil. Jumlah data yang diupdate: ' . $row . ' baris';
```

← → ↺ 🏠 ⓘ 127.0.0.1:8000/kategori

Update data berhasil. Jumlah data yang diupdate: 1 baris

		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	KTG001	Peralatan Mandi	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	2	KTG002	Elektronik	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	3	KTG003	Sembako	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	4	KTG004	Makanan	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	5	KTG005	Minuman	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	6	SMK	Camilan	2024-03-08 07:11:35	NULL

Delete

```
// delete
$row = DB::table('m_kategori')->where('kategori_kode', 'SMK')->delete();
return 'Delete data berhasil. Jumlah data yang dihapus: ' . $row . ' baris';
```



Delete data berhasil. Jumlah data yang dihapus: 1 baris

		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	KTG001	Peralatan Mandi	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	2	KTG002	Elektronik	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	3	KTG003	Sembako	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	4	KTG004	Makanan	2024-03-07 07:56:30	2024-03-07 07:56:30
<input type="checkbox"/>	Edit Copy Delete	5	KTG005	Minuman	2024-03-07 07:56:30	2024-03-07 07:56:30

Menampilkan data

```
// menampilkan data
$data = DB::table('m_kategori')->get();
return view('kategori', ['data' => $data]);
```

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Data kategori Barang</title>
</head>

<body>
  <h1>Data Kategori Barang</h1>
  <table border="1" cellpadding="2" cellspacing="0">
    <tr>
      <th>ID</th>
      <th>Kode Kategori</th>
      <th>Nama Kategori</th>
    </tr>
    @foreach ($data as $d)
    <tr>
      <td>{{ $d->kategori_id }}</td>
      <td>{{ $d->kategori_kode }}</td>
      <td>{{ $d->kategori_nama }}</td>
    </tr>
    @endforeach
  </table>
</body>
</html>

```

Data Kategori Barang

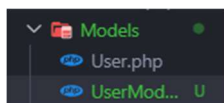
ID	Kode Kategori	Nama Kategori
1	KTG001	Peralatan Mandi
2	KTG002	Elektronik
3	KTG003	Sembako
4	KTG004	Makanan
5	KTG005	Minuman

Praktikum 6 – Implementasi Eloquent ORM

```

PS C:\xampp\htdocs\POS> php artisan make:model UserModel
INFO Model [C:\xampp\htdocs\POS\app\Models\UserModel.php] created successfully.

```



```

0 references | 0 implementations
class UserModel extends Model
{
    use HasFactory;

    0 references
    protected $table = 'm_user';
    0 references
    protected $primaryKey = 'user_id';
}

```

```

Route::get('/kategori', [KategoriController::class, 'index']);
Route::get('/user', [UserController::class, 'index']);

```

```

use App\Models\UserModel;

```

```

public function index()
{
    // coba akses model UserModel
    $user = UserModel::all(); //ambil semua data dari tabel m_user
    return view('user', ['data' => $user]);
}

```

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Data User</title>
</head>

<body>
    <h1>Data User</h1>
    <table border="1" cellpadding="2" cellspacing="0">
        <tr>
            <th>ID</th>
            <th>Username</th>
            <th>Nama</th>
            <th>ID Level Pengguna</th>
        </tr>
        @foreach ($data as $d)
            <tr>
                <td>{{ $d->user_id }} </td>
                <td>{{ $d->username }} </td>
                <td>{{ $d->nama }} </td>
                <td>{{ $d->level_id }} </td>
            </tr>
        @endforeach
    </table>
</body>

</html>

```

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1
2	manager	Manager	2
3	staff	Staff/Kasir	3

```

// reference | u overrides
public function index()
{
    // tambah data user dengan Eloquent Model
    $data = [
        'username' => 'customer-1',
        'nama' => 'Pelanggan',
        'password' => Hash::make('12345'),
        'level_id' => 4
    ];
    UserModel::insert($data); //tambahkan data ke tabel m_user
}

```

Nambahi sendiri

<input type="checkbox"/>	Edit	Copy	Delete	3 STT	Staff/Kasir	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	4 CUS	Customer	NULL	NULL

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1
2	manager	Manager	2
3	staff	Staff/Kasir	3
10	customer-1	Pelanggan	4

<div><div></div><div>T →</div></div>			user_id	level_id	username	nama	password	created_at	updated_at	
<input type="checkbox"/>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	1	1	admin	Administrator	\$2y\$12\$15H39A5oLiRy9hCwDz7DOozKATfY0NgUd/9kLnwKqD...	NULL	NULL
<input type="checkbox"/>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	2	2	manager	Manager	\$2y\$12\$1iYmVGe4IEfDC8xllUyA9uadueqgapw7celaiyFh/Lo...	NULL	NULL
<input type="checkbox"/>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	3	3	staff	Staff/Kasir	\$2y\$12\$XudCZ.3/uUoIItyoaR67/OAG.X.NC6Qgjac7D3FBNVE...	NULL	NULL
<input type="checkbox"/>	<div><div></div><div>Edit</div></div>	<div><div></div><div>Copy</div></div>	<div><div></div><div>Delete</div></div>	10	4	customer-1	Pelanggan	\$2y\$12\$TFmxc46oOcZh7ty08iM2qe7q4iGoXt1D4H3Gcc.reb3...	NULL	NULL

```
//update      You, 1 second ago • Uncommitted changes
// tambah data user dengan Eloquent Model
$data = [
    'nama' => 'Pelanggan Pertama'
];
UserModel::where('username', 'customer-1')->update($data); //update data user

//coba akses model userModel
$user = UserModel::all(); //ambil semua data dari tabel m_user
return view('user', ['data' => $user]);
```

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1
2	manager	Manager	2
3	staff	Staff/Kasir	3
10	customer-1	Pelanggan Pertama	4

			user_id	level_id	username	nama	password	created_at	updated_at	
<input type="checkbox"/>				1	1	admin	Administrator	\$2y\$12\$I5H39A5oLrYR9hCwDz7DOozKATfY0NgUd/9kLnwKqD...	NULL	NULL
<input type="checkbox"/>				2	2	manager	Manager	\$2y\$12\$iiYmVGe4IEfDC8xllUyA9uadueqgapw7celaiyFh/Lo...	NULL	NULL
<input type="checkbox"/>				3	3	staff	Staff/Kasir	\$2y\$12\$XudCZ_3/uUoIItyoaR67/OAG.X.NC6Qgjac7D3FBNVE...	NULL	NULL
<input type="checkbox"/>				10	4	customer-1	Pelanggan Pertama	\$2y\$12\$TFmx46oOcZh7ty08iM2qe7q4iGoXt1D4H3Gcc.reb3...	NULL	2024-03-08 08:28:23