

**UJIAN AKHIR SEMESTER  
SERVICE ORIENTED ARCHITECTURE**

**Oleh**

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**PROGRAM STUDI TEKNIK INFORMATIKA  
FAKULTAS TEKNIK  
UNIVERSITAS LANGLANGBUANA  
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## **Bagian 1**

1. Apa bedanya *Google Services* dan *Amazon Web Services* ?
  - Availability Zone (Wilayah Ketersediaan)
    - AWS memiliki 66 *availability zone* dengan 12 lainnya yang masih *on-going*.
    - Google Cloud Platform telah tersedia di 20 wilayah di seluruh dunia dengan 3 lainnya masih *on-going*.
  - Layanan
    - AWS menawarkan sekitar 200+ layanan, sedangkan Google Cloud, di sisi lain, mengejar Ketinggalan dengan AWS yang menawarkan sekitar 60+ layanan
  - Pilihan Stack
    - Pilihan *stack* berkaitan dengan *region server* dan pilihan spesifikasi yang ada. AWS memiliki pilihan *region* terbanyak (14 *region*) di antara penyedia lain. Meski begitu, region terdekat dengan Indonesia adalah Singapura.
    - Sedangkan Google Cloud Platform memiliki pilihan *region* yang merata (10 *region*) dengan *region* terdekat adalah *region Singapore* (SouthEast Asia). Pilihan *stack* pada Google Cloud Platform merupakan yang paling menarik.
  - Harga
    - AWS menyediakan percobaan gratis menggunakan salah satu layanan yang mereka sediakan selama satu tahun.
    - Sedangkan Google Cloud Platform menyediakan percobaan gratis dengan menggunakan skema pemberian *credits* sebanyak \$300 yang dapat kamu gunakan untuk layanan apapun pada Google Cloud Platform.

2. Sebutkan apa saja aplikasi yang ada pada *Amazon Web Services* !

Layanan Komputasi :

- Amazon Elastic Compute Cloud (EC2)
- Elastic Load Balancing
- Amazon Elastic Map Reduce

Layanan Penyimpanan :

- AWS Storage Gateway
- Amazon Simple Storage Service (S3)
- Amazon CloudFront
- Amazon Elastic Block Store (EBS)

Layanan Basis Data :

- Amazon SimpleDB
- Amazon Relational Database Service (RDS)
- Amazon ElastiCache
- Amazon DynamoDB

Layanan Jaringan :

- Amazon Route 53
- Amazon Virtual Private Cloud (VPC)

Layanan Aplikasi :

- Amazon CloudSearch
- Amazon Simple Queue Service (SQS)
- Amazon Simple Workflow Service (SWF)
- Amazon Simple Email Service (SES)
- Amazon Simple Notification Service (SNS)

3. Apa itu *framework Laravel* ?

Laravel adalah framework berbasis web dengan bahasa pemrograman PHP yang bisa digunakan untuk membantu proses pengembangan sebuah website agar lebih maksimal. Dengan menggunakan Laravel, website yang dihasilkan akan lebih terstruktur dan dinamis.

4. Laravel menggunakan arsitektur *MVC*, yang merupakan turunan dari arsitektur orientasi objek. Apa itu *MVC*?

Model View Controller atau yang dapat disingkat MVC adalah sebuah pola arsitektur dalam membuat sebuah aplikasi dengan cara memisahkan kode menjadi tiga bagian yang terdiri dari:

- Model

Bagian yang bertugas untuk menyiapkan, mengatur, memanipulasi, dan mengorganisasikan data yang ada di database.

- View

Bagian yang bertugas untuk menampilkan informasi dalam bentuk Graphical User Interface (GUI).

- Controller

Bagian yang bertugas untuk menghubungkan serta mengatur model dan view agar dapat saling terhubung.

5. *Restful API* apa yang ada di Laravel ?

- GET : untuk membaca data/resource dari REST Server
- POST : untuk membuat sebuah data/resource baru di REST Server
- PUT : untuk memperbarui data/resource di REST Server.
- DELETE : untuk menghapus data/resource dari REST Server
- OPTIONS : untuk mendapatkan operasi yang di support pada resource dari REST Server.

6. *Microservice* apa saja yang ada di Laravel ?

Ada beberapa service pada Laravel yaitu :

- View : berfungsi menampilkan tampilan
- Model : berfungsi untuk manipulasi dan pengambilan data pada database
- Controller : berfungsi mengatur perpindahan data pada model dan view
- Router : mengatur controller dan function mana yang dipanggil Ketika mengakses url tertentu
- Middleware : mengatur dan melakukan validasi diantara router dan controller
- Package : service untuk membuat code modular

7. Apa bedanya instalasi Laravel di server lokal (XAMPP) dengan di *cloud hosting* ?

Pada server local untuk menjalankan project Laravel dapat dilakukan dengan menjalankan command php artisan serve. Sedangkan pada cloud hosting harus menggunakan web server seperti nginx atau apache dan mengarahkan root ke folder public pada project laravel

8. Apa itu Metode Pengembangan Scrum?

SCRUM adalah salah satu metode rekayasa perangkat lunak dengan menggunakan prinsip-prinsip pendekatan AGILE, yang bertumpu pada kekuatan kolaborasi tim, incremental product dan proses iterasi untuk mewujudkan hasil akhir.

Scrum sendiri bukan satu-satunya metode yang menggunakan pendekatan AGILE. Mungkin kita juga pernah mendengar metode Extreme Programming (XP) yang juga menggunakan pendekatan AGILE dalam rekayasa perangkat lunak. Masing-masing metode memiliki fokus atau penekanan yang berbeda yang tentu saja dapat dikombinasikan untuk menghasilkan proses yang optimal

9. Apa itu GitHub dalam *software development* (pengembangan perangkat lunak) ?

GitHub adalah situs web dan layanan berbasis cloud yang membantu developer menyimpan dan mengelola kode yang dibuat, serta melacak dan mengontrol perubahan pada kode tersebut.

GitHub mencakup dua prinsip, yaitu version control dan Git. Version control membantu developer melacak dan mengelola perubahan pada kode proyek perangkat lunak. Seiring pertumbuhan proyek perangkat lunak, version control menjadi penting.

10. Bagaimana membuat Site Map XML dengan Laravel ?

1. Install project laravel baru.

Untuk membuat project laravel dengan laravel versi terbaru, silahkan buka terminal dan masuk ke direktori dimana Anda ingin install project laravel tersebut. Kemudian install laravel dengan command **composer create-project laravel/laravel sitemap**. Dengan command tersebut kita akan dibuatkan project laravel baru dengan nama project **sitemap**.

2. Buat database baru di phpMyAdmin dengan nama terserah Anda (di percobaan ini, saya membuat database dengan nama sitemap).

3. Sesuaikan DB\_DATABASE dengan nama database yang baru dibuat di langkah nomor 2.

4. Buat file model dan migration Post dengan command **php artisan make:model Post -m**.

5. Buka file 2021\_01\_05\_012027\_create\_posts\_table.php atau file migration yang telah dibuat dengan command pada langkah nomor 4. Edit script di file tersebut menjadi seperti di bawah ini.

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
class CreatePostsTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('posts', function (Blueprint $table) {
            $table->id();
            $table->string('title');
            $table->string('slug');
            $table->longText('body');
            $table->timestamps();
        });
    }
    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('posts');
    }
}
```

6. Jalankan command **php artisan migrate** untuk membuat table atau migrasi file migration di folder database>migration ke database phpMyAdmin.
7. Buat file factory untuk membuat data dummy dengan command **php artisan make:factory PostFactory -m Post**
8. Buka file PostFactory di dalam folder database>factory, kemudian edit script di file tersebut menjadi seperti di bawah ini.

```

<?php
namespace Database\Factories;
use App\Models\Post;
use Illuminate\Database\Eloquent\Factories\Factory;
use Illuminate\Support\Str;
class PostFactory extends Factory
{
    /**
     * The name of the factory's corresponding model.
     *
     * @var string
     */
    protected $model = Post::class;
    /**
     * Define the model's default state.
     *
     * @return array
     */
    public function definition()
    {
        $title = $this->faker->sentence;
        $slug = Str::slug($title);
        return [
            'title' => $title,
            'slug' => $slug,
            'body' => $this->faker->paragraph(10)
        ];
    }
}

```

```

$ php artisan tinker
Psy Shell v0.10.5 (PHP 7.4.13 - cli) by Justin Hileman
>>> App\Models\Post::factory()->count(10)->create();
=> Illuminate\Database\Eloquent\Collection {#3370
    all: [
        App\Models\Post {#3374
            title: "Eos nostrum qui nulla aut rerum harum ducimus.",
            slug: "eos-nostrum-qui-nulla-aut-rerum-harum-ducimus",
            body: "Non fuga sit tempore placeat. Molestias occaecati sit iusto cupiditate. Ratione ex et quo fugit molestiae omnis asperiores. Et quia tempore officiis quos. Est blanditiis natus eius omnis perspiciatis. Harum laborum esse vel. Illo fuga aliquid error maxime. Quis aut quibusdam consequatur tenetur quia.",
            updated_at: "2021-01-05 02:31:37",
            created_at: "2021-01-05 02:31:37",
            id: 51,
        },
        ...
    ]
}

```

9. Selanjutnya buka terminal lagi dan jalankan command **php artisan tinker**. Kemudian jalankan command **App\Models\Post::factory()->count(10)->create();** untuk membuat data dummy sebanyak 10 data.
10. Install package spatie laravel sitemap dengan menjalankan command **composer require spatie/laravel-sitemap** di terminal.
11. Jalankan command **php artisan vendor:publish -- provider="Spatie\Sitemap\SitemapServiceProvider" --tag=config** untuk menyalin file sitemap.php ke dalam folder config.
12. Buka file web.php yang terdapat di folder routes. Kemudian edit script di file tersebut menjadi seperti di bawah ini.

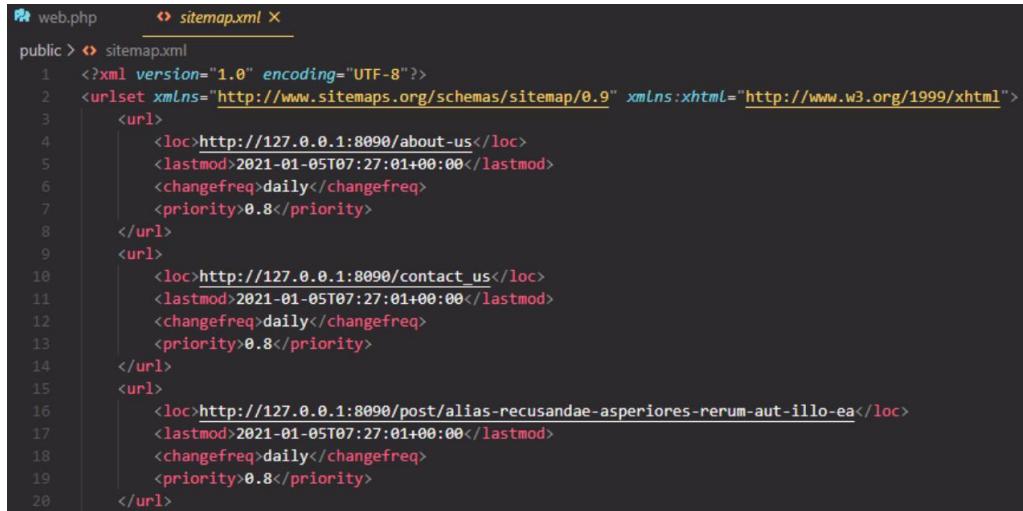
```

<?php
use Illuminate\Support\Facades\Route;
use App\Models\Post;
use Spatie\Sitemap\Sitemap;
use Spatie\Sitemap\Tags\Url;
/*
|-----
| Web Routes
|-----
|
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/
Route::get('/', function () {
    return view('welcome');
});
Route::get('/sitemap', function(){
    $sitemap = Sitemap::create()
        ->add(Url::create('/about-us'))
        ->add(Url::create('/contact_us'));

    $post = Post::all();
    foreach ($post as $post) {
        $sitemap->add(Url::create("/post/{$post->slug}"));
    }
    $sitemap->writeToFile(public_path('sitemap.xml'));
});

```

13. Sekarang jalankan php artisan serve kemudian akses ke url example.test/sitemap atau 127.0.0.1:8000/sitemap maka ketika kita cek di dalam folder public terdapat file baru dengan nama sitemap.xml



The screenshot shows a code editor with a dark theme. The file is named 'sitemap.xml'. The XML content is as follows:

```

public > sitemap.xml
public > sitemap.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9" xmlns:xhtml="http://www.w3.org/1999/xhtml">
3      <url>
4          <loc>http://127.0.0.1:8090/about-us</loc>
5          <lastmod>2021-01-05T07:27:01+00:00</lastmod>
6          <changefreq>daily</changefreq>
7          <priority>0.8</priority>
8      </url>
9      <url>
10         <loc>http://127.0.0.1:8090/contact_us</loc>
11         <lastmod>2021-01-05T07:27:01+00:00</lastmod>
12         <changefreq>daily</changefreq>
13         <priority>0.8</priority>
14     </url>
15     <url>
16         <loc>http://127.0.0.1:8090/post/alias-recusandae-asperiores-rerum-aut-illo-ea</loc>
17         <lastmod>2021-01-05T07:27:01+00:00</lastmod>
18         <changefreq>daily</changefreq>
19         <priority>0.8</priority>
20     </url>

```

## Bagian 2

Sprint 0 : Perencanaan  
0 Day 1, Sprint 0 : 1jam, Persiapan

- 0.1. Tim *Leader* menyediakan *XAMPP* di *server* lokal. *Prototype* 0.0.1 : *Screenshot page test Apache* dan *phpmysql*. Simpan *Prototype* 0.0.1 di *GitHub*.

*Screenshot XAMPP*



### Welcome to XAMPP for OS X 8.2.0

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.

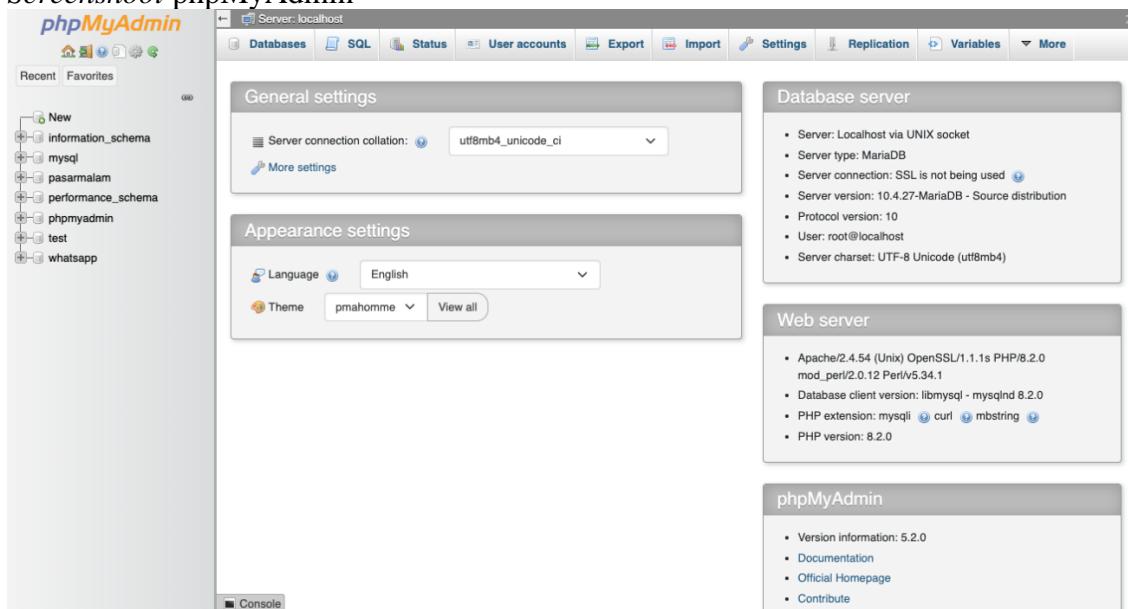
XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others.

Start the XAMPP Control Panel to check the server status.

### Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our [Forums](#), liking us on [Facebook](#), or following our exploits on [Twitter](#).

*Screenshot phpMyAdmin*



0.2. Tim Leader membentuk 3 kelompok pengembang dan menugaskan untuk instalasi Laravel Aimeos. Daftar Kelompok Pengembang dan tugasnya simpan di Github sebagai Prorotype 0.0.2. Kelompok pengembang ini terdiri dari:

0.2.1. Kelompok 1 (pengembang *backend* dan *Controller*)

Kelompok 1 (Back End dan Controller)	
No	Nama Pengembang
1	Deris Ganesha Pratama
2	Ade Wahyu
3	Azka Fahim Basyar

0.2.2. Kelompok 2 (pengembang *backend* dan *Model*)

Kelompok 2 (Back End dan Model)	
No	Nama Pengembang
1	Chandika Nurdiansyah (Leader)
2	Muhammad Ghiffar Alfarizi

0.2.3. Kelompok 3 (penge mbang *frontend* dan *View*)

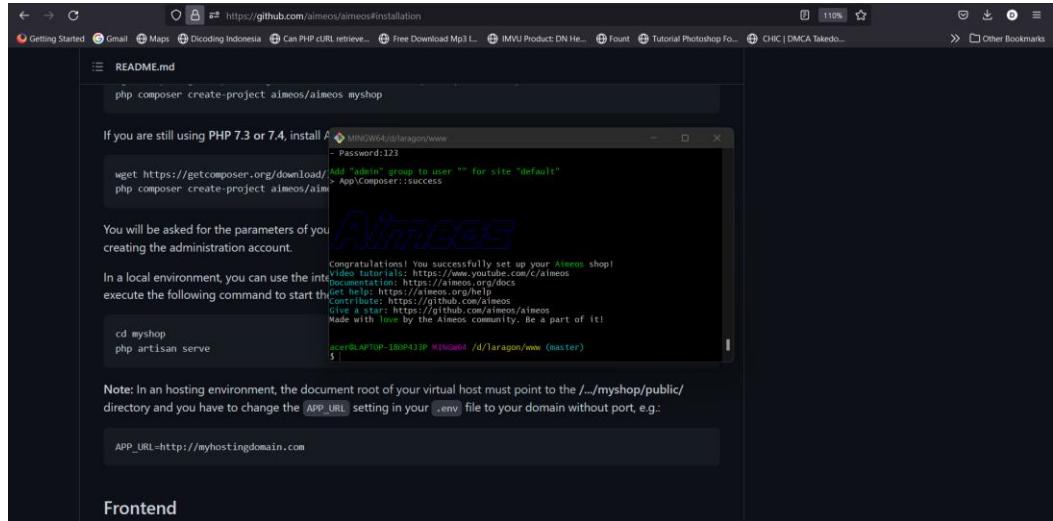
Kelompok 3 (Front End dan View)	
No	Nama Pengembang
1	Muhammad Taofik Setiawan
2	Widy Hendro Saputro
3	Nur Kholis Aprianto

Sprint 1 : Bangun Dasar

*Day 1, Sprint 1:* 1 jam. Instalasi dan konfigurasi *Laravel* dan mempelajari script *Aimeos* secara parallel

1.1. Kelompok 1 melakukan instalasi Laravel. Prototype 1.0.0 Screenshot tampilan Laravel yang berhasil diinstall berupa tampilan halaman awal, halaman login, dashboard. Simpan Prototype 1.0.0 di Github.

- Laravel Aiemos berhasil diinstall



```
php composer create-project aimeos/aimeos myshop

If you are still using PHP 7.3 or 7.4, install A MINOWA4/dlaragon/www
- Password:123
wget https://getcomposer.org/download/ Add "admin" group to user "" for site "default"
php composer create-project aimeos/aim

You will be asked for the parameters of you
creating the administration account.

In a local environment, you can use the int
execute the following command to start thi

cd myshop
php artisan serve

Congratulations! You successfully set up your Aimeshop!
Video tutorials: https://www.youtube.com/c/aimeos
Documentation: https://aimeos.org/docs
Get Help: https://aimeos.org/help
Report a bug: https://github.com/aimeos/aimeos
Contribute: https://github.com/aimeos/aimeos
Give a star: https://github.com/aimeos/aimeos
Made with love by the Aimeshop community. Be a part of it!

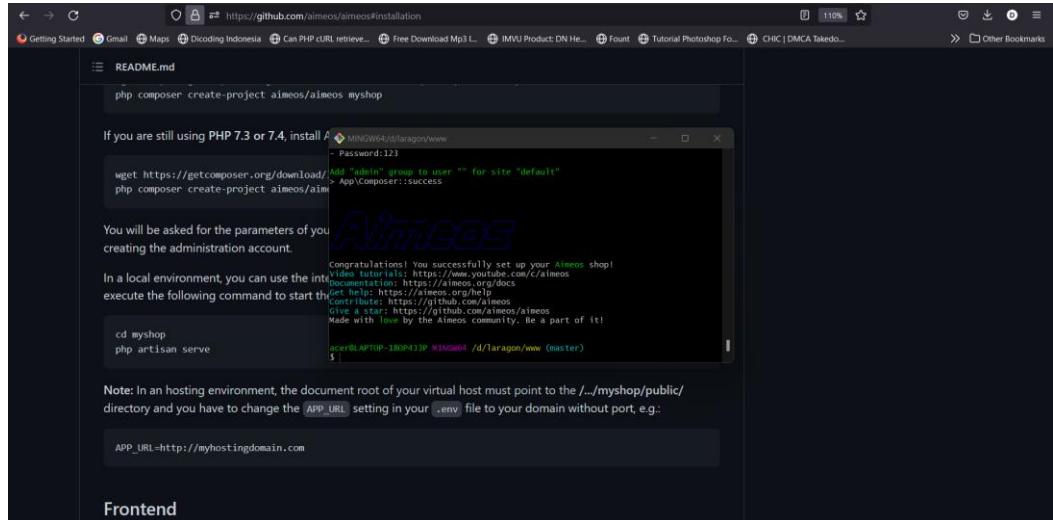
acerBLAPT0P-180P433P MINOWA4 /d/laragon/www (master)
$
```

Note: In an hosting environment, the document root of your virtual host must point to the `../myshop/public/` directory and you have to change the `APP_URL` setting in your `.env` file to your domain without port, e.g.:

```
APP_URL=http://myhostingdomain.com
```

Frontend

- Halaman Awal



```
php composer create-project aimeos/aimeos myshop

If you are still using PHP 7.3 or 7.4, install A MINOWA4/dlaragon/www
- Password:123
wget https://getcomposer.org/download/ Add "admin" group to user "" for site "default"
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Contribute: https://github.com/aimeos/aimeos
Give a star: https://github.com/aimeos/aimeos
Made with love by the Aimeshop community. Be a part of it!

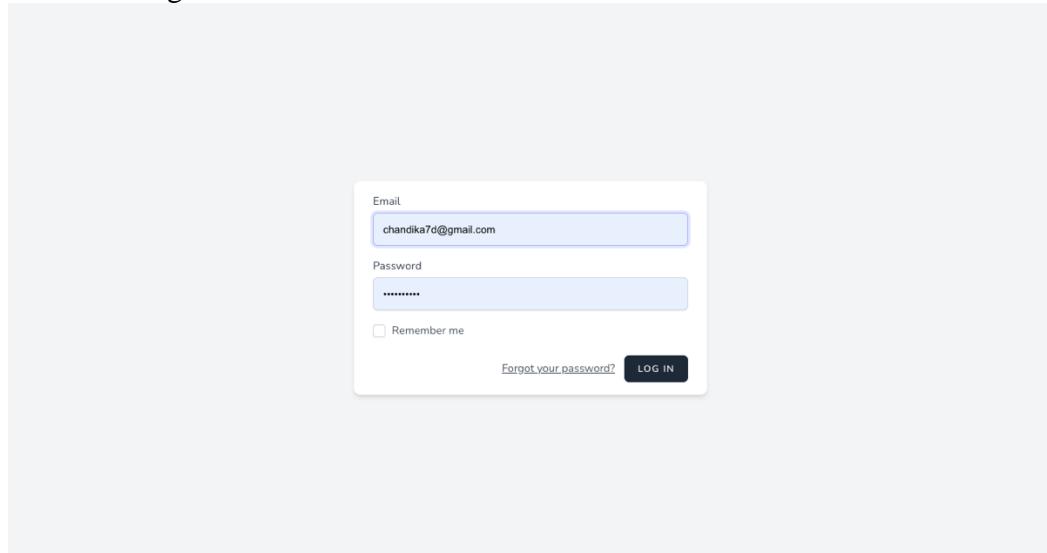
acerBLAPT0P-180P433P MINOWA4 /d/laragon/www (master)
$
```

Note: In an hosting environment, the document root of your virtual host must point to the `../myshop/public/` directory and you have to change the `APP_URL` setting in your `.env` file to your domain without port, e.g.:

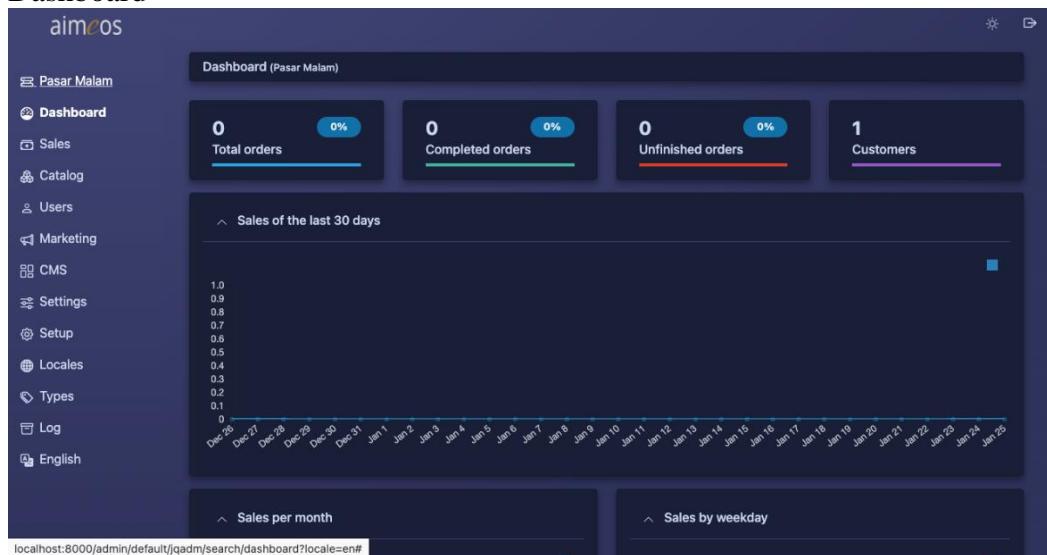
```
APP_URL=http://myhostingdomain.com
```

Frontend

- Halaman Login



- Dashboard



- 1.2. Kelompok 2 mempelajari database dan script di folder Model dari <https://github.com/aimeos/aimeos/blob/master/app/Models/User.php>
- 1.3. Kelompok 3 mempelajari *frontend* dan *script* di folder View dari <https://github.com/aimeos/aimeos/tree/master/resources/views>

Sprint 2              Bangun Badan  
                         Day 2, Sprint 2: 3 jam. Instalasi dan konfigurasi Aimeos secara bersama dan terintegrasi.

- 2.1. Kelompok 2 menginstal *database* dan *script* di folder Model dari <https://github.com/aimeos/aimeos-laravel> di atas *Prototipe* 1.1.0 Setelah berhasil, membuat screenshot *phpmyadmin* disimpan di *Github* sebagai *Prototype* 1.1.0

phpMyAdmin

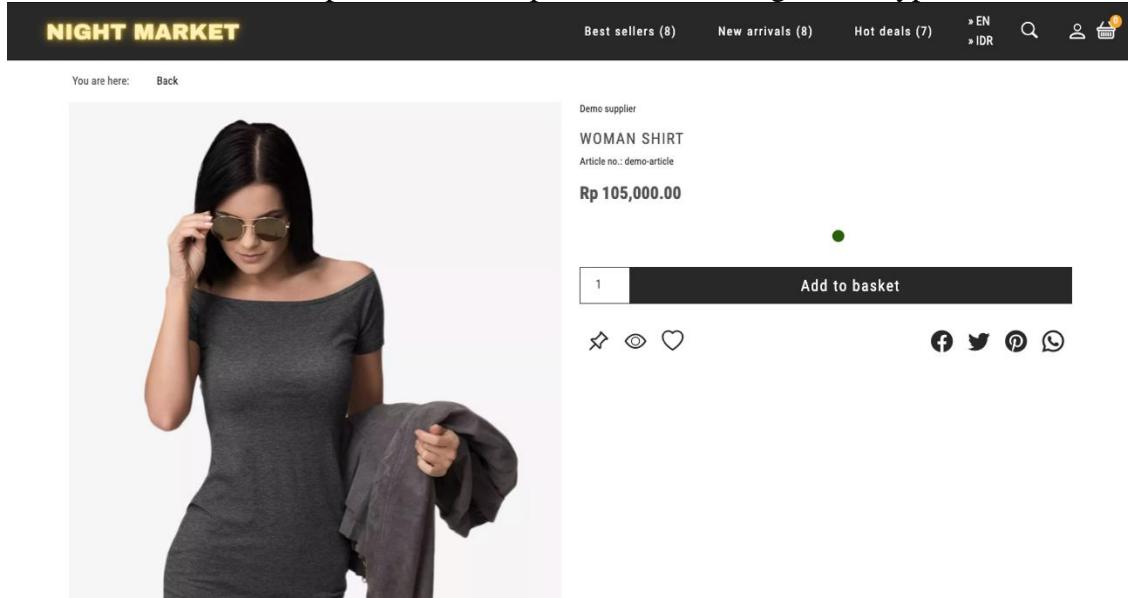
Recent Favorites

db\_pasar\_maim

Contain the word:

Table	Action	Rows	Type	Collation	Size	Overhead
failed_jobs	Browse  Structure  Search  Insert  Empty  Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KIB	-
madmin_cache	Browse  Structure  Search  Insert  Empty  Drop	12	InnoDB	utf8mb4_unicode_ci	96.0 KIB	-
madmin_cache_tag	Browse  Structure  Search  Insert  Empty  Drop	32	InnoDB	utf8mb4_unicode_ci	32.0 KIB	-
madmin_job	Browse  Structure  Search  Insert  Empty  Drop	0	InnoDB	utf8mb4_unicode_ci	48.0 KIB	-
madmin_log	Browse  Structure  Search  Insert  Empty  Drop	5	InnoDB	utf8mb4_unicode_ci	96.0 KIB	-
madmin_queue	Browse  Structure  Search  Insert  Empty  Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KIB	-
migrations	Browse  Structure  Search  Insert  Empty  Drop	4	InnoDB	utf8mb4_unicode_ci	16.0 KIB	-
mshop_attributes	Browse  Structure  Search  Insert  Empty  Drop	13	InnoDB	utf8mb4_unicode_ci	128.0 KIB	-
mshop_attribute_list	Browse  Structure  Search  Insert  Empty  Drop	61	InnoDB	utf8mb4_unicode_ci	64.0 KIB	-
mshop_attribute_list_type	Browse  Structure  Search  Insert  Empty  Drop	4	InnoDB	utf8mb4_unicode_ci	88.0 KIB	-
mshop_attribute_property	Browse  Structure  Search  Insert  Empty  Drop	0	InnoDB	utf8mb4_unicode_ci	64.0 KIB	-
mshop_attribute_property_type	Browse  Structure  Search  Insert  Empty  Drop	0	InnoDB	utf8mb4_unicode_ci	88.0 KIB	-
mshop_attribute_type	Browse  Structure  Search  Insert  Empty  Drop	12	InnoDB	utf8mb4_unicode_ci	88.0 KIB	-
mshop_catalog	Browse  Structure  Search  Insert  Empty  Drop	4	InnoDB	utf8mb4_unicode_ci	64.0 KIB	-
mshop_catalog_list	Browse  Structure  Search  Insert  Empty  Drop	57	InnoDB	utf8mb4_unicode_ci	96.0 KIB	-
mshop_catalog_list_type	Browse  Structure  Search  Insert  Empty  Drop	5	InnoDB	utf8mb4_unicode_ci	88.0 KIB	-
mshop_cm	Browse  Structure  Search  Insert  Empty  Drop	1	InnoDB	utf8mb4_unicode_ci	64.0 KIB	-
mshop_cms_list	Browse  Structure  Search  Insert  Empty  Drop	1	InnoDB	utf8mb4_unicode_ci	64.0 KIB	-
mshop_cm_list_type	Browse  Structure  Search  Insert  Empty  Drop	2	InnoDB	utf8mb4_unicode_ci	88.0 KIB	-
mshop_coupon	Browse  Structure  Search  Insert  Empty  Drop	7	InnoDB	utf8mb4_unicode_ci	96.0 KIB	-
mshop_coupon_code	Browse  Structure  Search  Insert  Empty  Drop	3	InnoDB	utf8mb4_unicode_ci	96.0 KIB	-
mshop_customer	Browse  Structure  Search  Insert  Empty  Drop	8	InnoDB	utf8mb4_unicode_ci	128.0 KIB	-
mshop_customer_address	Browse  Structure  Search  Insert  Empty  Drop	0	InnoDB	utf8mb4_unicode_ci	128.0 KIB	-
mshop_customer_group	Browse  Structure  Search  Insert  Empty  Drop	2	InnoDB	utf8mb4_unicode_ci	48.0 KIB	-
Console						

2.2. Kelompok 3 menginstal Frontend dan script di folder View dari <https://github.com/aimeos/aimeos-laravel> di atas Prototipe 1.1. Setelah berhasil, membuat screenshot tampilan web disimpan di Github sebagai Prototype 1.2.0



2.3. Kelompok 1 menginstal script di folder Controller dari <https://github.com/aimeos/aimeos-laravel> di atas Prototipe 1.1. Setelah berhasil, membuat screenshot testing Dashboard dan isi query disimpan di Github sebagai Prototype 1.3.0

### 2.3.1. Query

```
/*
 * Adds product IDs for filtering
 *
 * @param array|string $prodIds Product ID or list of IDs
 * @return \Aimeos\Controller\Frontend\Product\Iface Product controller for fluent interface
 * @since 2019.04
 */
public function product( $prodIds ) : Iface
{
    if( !empty( $prodIds ) && ( $ids = array_unique( $this->validateIds( (array) $prodIds ) ) ) !== [] ) {
        $this->addExpression( $this->filter->compare( '==', 'product.id', $ids ) );
    }

    return $this;
}
```

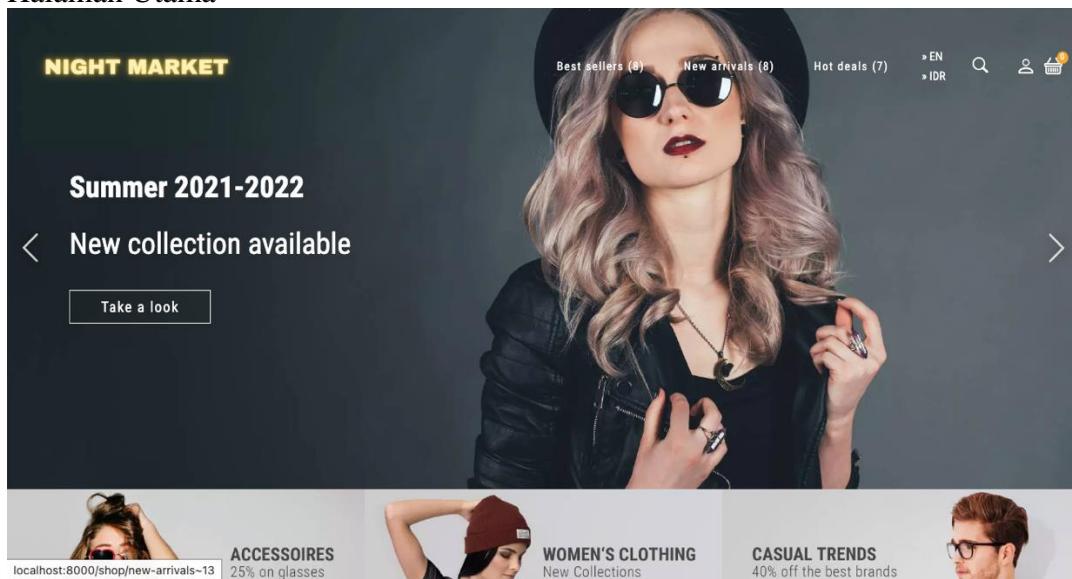
### 2.3.2. Hasil

ID	Status	Type	Code	Label
1	▼	default	demo-article	Demo article
4	▼	select	demo-selection-article	Demo selection article
5	▼	bundle	demo-bundle-article	Demo bundle article
6	▼	voucher	demo-voucher	Demo voucher
8	▼	default	demo-article-2	Demo article 2
9	▼	default	demo-article-3	Demo article 3
10	▼	default	demo-article-4	Demo article 4
11	▼	default	demo-article-5	Demo article 5

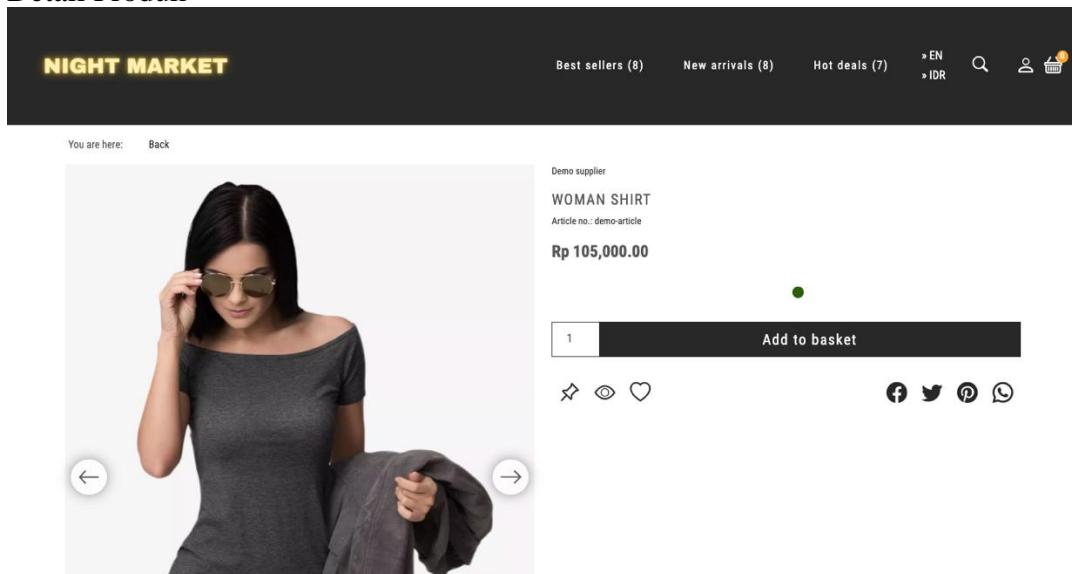
2.4. Setelah tahap 2.3. selesai, Tim Leader melakukan evaluasi fitur. Semua fitur dites dan dipastikan berjalan dengan baik. Setelah tes berhasil, maka Prototype ini disetujui dengan nama Prototype Market Place Pasar Malam versi 1.0. disimpan di GitHub., termasuk screenshot Prototype 1.0. dengan semua fiturnya.

## Test Order

- Halaman Utama



- Detail Produk



- Checkout : Keranjang

**BASKET DETAILS**

	Quantity	Price	Sum
Pasar Malam	1	Rp 105,000.00	Rp 105,000.00
Woman Shirt	1	Rp 105,000.00	Rp 105,000.00
Article no.: demo-article			
		Sub-total	Rp 105,000.00
		Shipping	Rp 12,000.00
	1 article	Total	Rp 117,000.00
		Incl. 11.00% tax	Rp 11,594.59

COUPON CODES      Coupon codes      **Apply**

**Back**      **Checkout**

- Checkout : Form pengiriman

**NIGHT MARKET**

1. Basket    **2. Address**    3. Delivery    4. Payment    5. Summary

**ADDRESS**

Fields with an \* are mandatory

Billing address      Delivery address

new address       like billing address

Salutation       new address

**First name\***      First name

**Last name\***      Last name

Company      Company

**Street\***      Street

\* indicates required field

- Checkout : Pilih pengiriman

**NIGHT MARKET**

**DELIVERY**  
Please choose your delivery method

<input type="radio"/>  CLICK & COLLECT	Rp 0.00
Local pick-up Pick-up at one of our local stores	
<input checked="" type="radio"/>  DHL	Rp 0.00
Delivery within three days The parcel is usually delivered within three working days	
<input type="radio"/>  DHL EXPRESS	Rp 0.00
Delivery on the next day	

- Checkout : Memilih metode pembayaran

**NIGHT MARKET**

**PAYMENT**  
Please choose your payment method

<input type="radio"/> INVOICE	
Pay by invoice within 14 days Please transfer the money within 14 days to BIC: XXX, IBAN: YYY	
<input type="radio"/>  DIRECT DEBIT	
Payment via your bank account The money will be collected from your bank account within 1-3 days	
<input checked="" type="radio"/>  PAYPAL	
Payment via PayPal Easy and secure payment with your PayPal account	

- Rangkuman Checkout

**NIGHT MARKET**

**SUMMARY**  
Please check your order

Billing address	Change	Delivery address	Change
Mr Chandika Nurdiansyah Jl.Pasirfuyu Bandung 40254 English chandika7d@gmail.com		like billing address	
Delivery	Change	Payment	Change
DHL		PayPal	
Coupon codes	Change	Your reference	Your comment
		<input type="text"/>	

Customer account

- Berhasil Order

**NIGHT MARKET**

**CONFIRMATION**  
Thank you for your order and authorizing the payment.  
An e-mail with the order details will be sent to you within the next few minutes.

**ORDER STATUS**

Order ID	2
Payment status	authorized

**ORDER DETAILS**

Billing address	Delivery address
Mr Chandika Nurdiansyah Jl.Pasirfuyu Bandung 40254 English chandika7d@gmail.com	like billing address
Delivery	Payment
DHL	Invoice

- Order Masuk

## Dashboard Admin

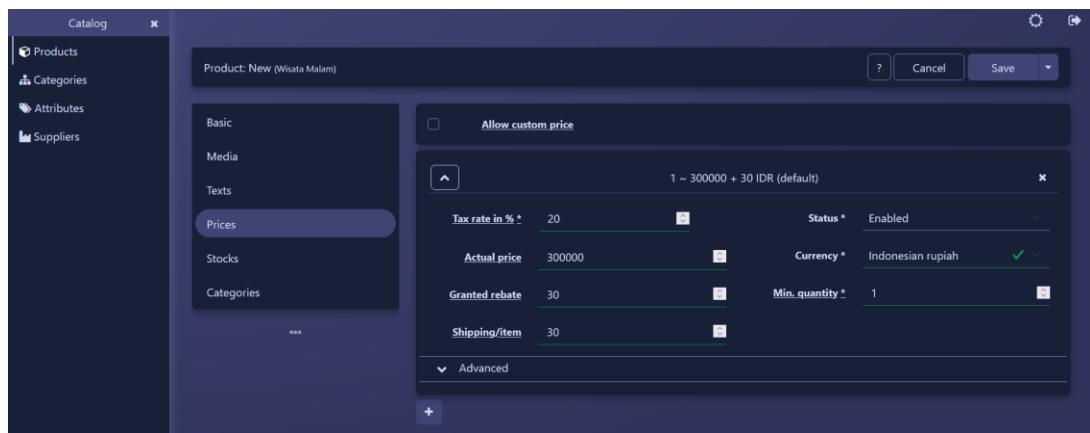
## Catalog | Product

- Basic

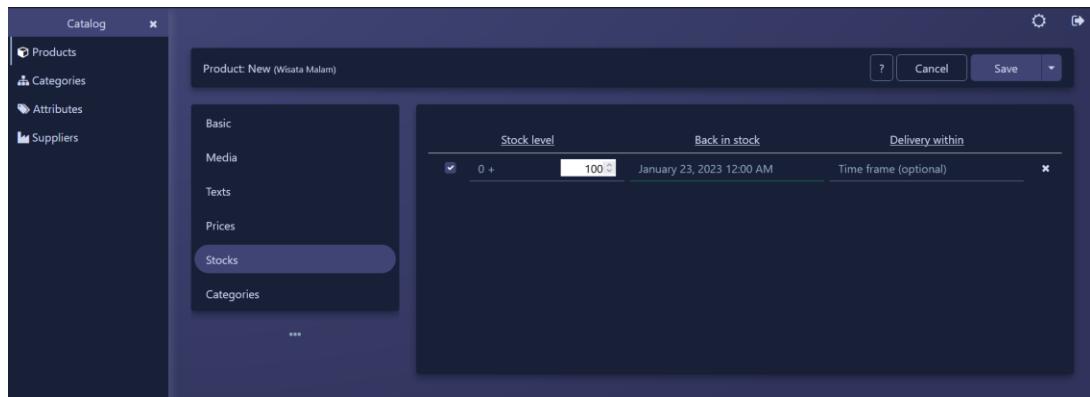
## ○ Media



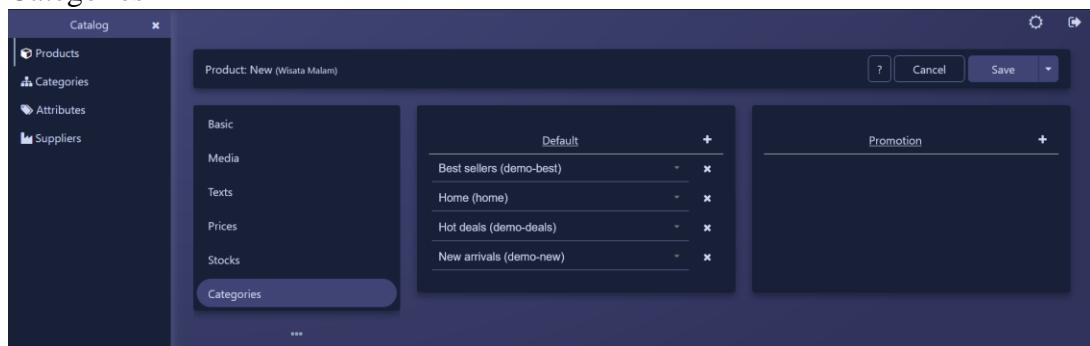
## ○ Prices



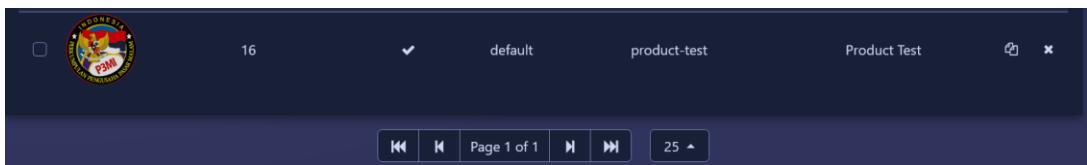
## ○ Stocks



## ○ Categories



- Hasil



## Catalog | Category

- Basic

A screenshot of the 'Basic' tab in the Catalog Category settings. The sidebar shows a tree structure with 'Wisata Malam' expanded, and 'Category' selected. The main panel shows a form with fields: 'Status' (Enabled), 'Code' (test-category), and 'Label' (Category). There are tabs for 'Basic', 'Media', 'Texts', and 'Products'. A 'Save' button is visible at the top right.

- Media

A screenshot of the 'Media' tab in the Catalog Category settings. The sidebar is identical to the previous screenshot. The main panel shows a media preview for a file named "logo-pasar-malam-removebg-preview.png" (default). The preview shows the P3MI logo. The media settings include: 'Status' (Enabled), 'Type' (Standard), 'Title' (logo-pasar-malam-removebg-pre), and 'Language' (All). There is also an 'Advanced' section. A 'Save' button is visible at the top right.

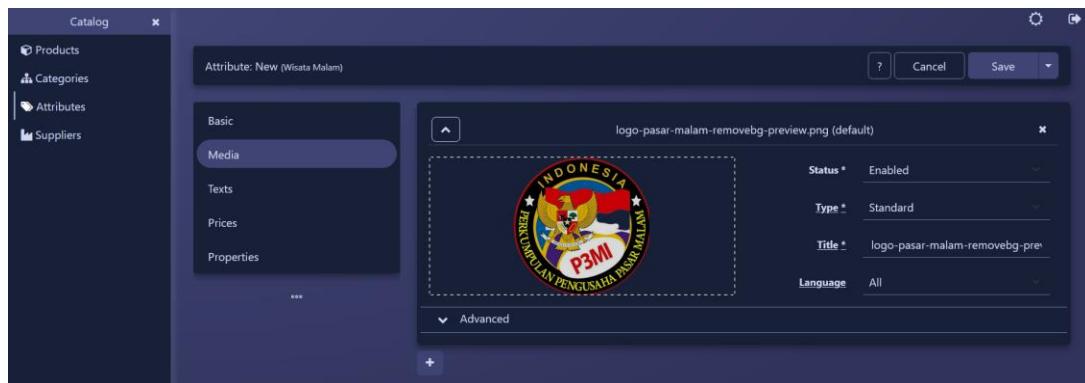
- Text

- Products

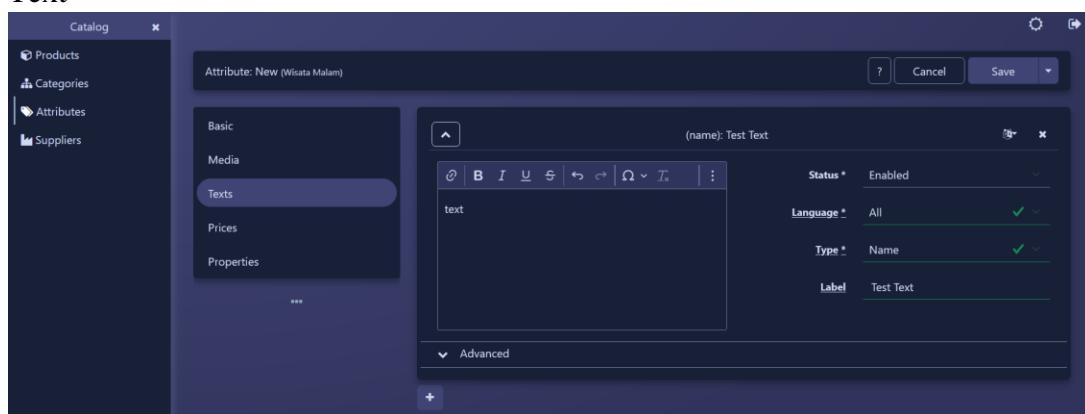
## Catalog | Attributes

- Basic

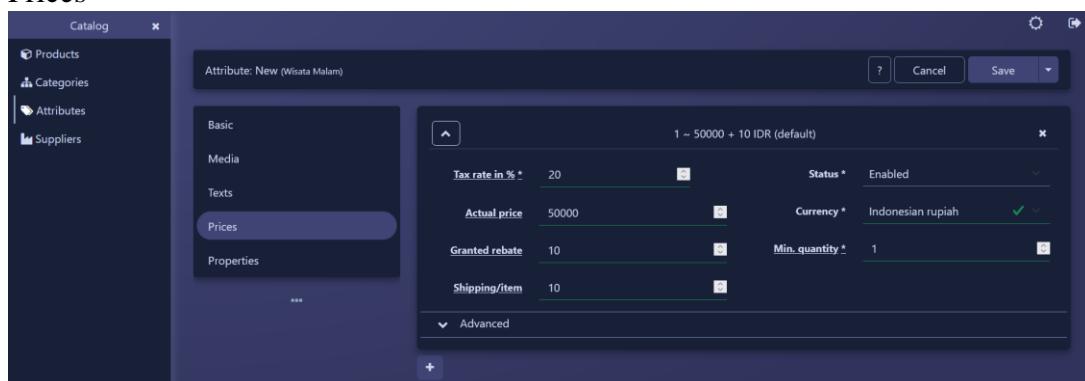
- Media



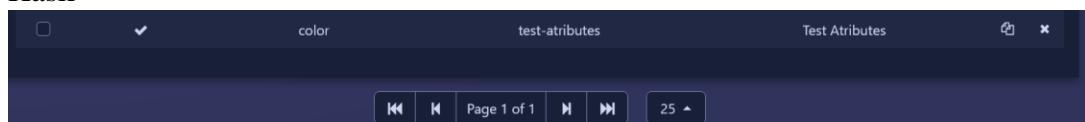
- Text



- Prices



- Hasil



## Catalog | Suplier

- o Basic

The screenshot shows the 'Supplier: New (Wisata Malam)' form under the 'Basic' tab. The left sidebar lists 'Products', 'Categories', 'Attributes', and 'Suppliers'. The right panel contains fields: 'Status \*' set to 'Enabled', 'Code \*' set to 'test-suppliers', and 'Label \*' set to 'Test Suppliers'. A 'Save' button is at the top right.

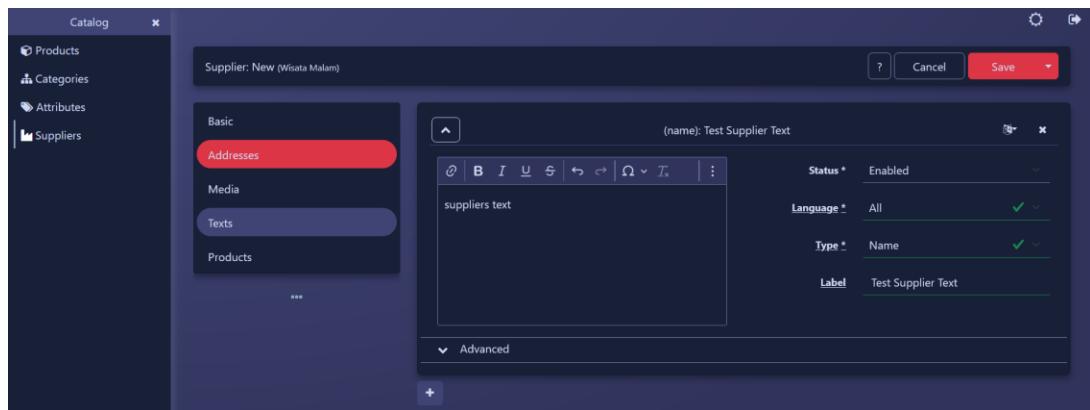
- o Addresses

The screenshot shows the 'Supplier: New (Wisata Malam)' form under the 'Addresses' tab. The left sidebar lists 'Products', 'Categories', 'Attributes', and 'Suppliers'. The right panel is divided into sections: 'Communication' (Telephone: 089654123111, Facsimile: 123, E-mail: suppliers@gmail.com, Web site: https://suppliers.com) and 'Company details' (Company: Company Suppliers, VAT ID: 123). Address fields include Street: Street, House number: 08912312311, Floor / Apartment: Apartemen, Zip code: 40223, City \*: Bandung, Country \*: Indonesia, and State: Country state code (optional).

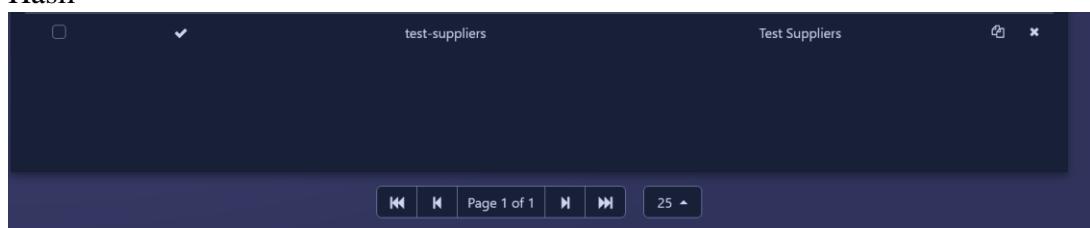
- o Media

The screenshot shows the 'Supplier: New (Wisata Malam)' form under the 'Media' tab. The left sidebar lists 'Products', 'Categories', 'Attributes', and 'Suppliers'. The right panel displays a preview of a logo file named 'logo-pasar-malam-removebg-preview.png (default)'. The logo is the official emblem of the P3MI (Pengembangan Pasar Malam Indonesia). The file details are shown: Status \*: Enabled, Title \*: logo-pasar-malam-removebg-pre, and Language: All. There are also 'Advanced' and '+' buttons.

- Texts



- Hasil



## Configuration

- Basic



## Marketing

- List Voucher

The screenshot shows the aimcos Marketing module interface. On the left is a sidebar with navigation links: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (selected), CMS, Settings, Setup, Locales, Types, Log, and English. The main area is titled "By day (Pasar Malam)" and contains a table with columns: Status, Provider, and Label. A search bar and filter dropdown are at the top of the table. The table shows one row with "All" under Status, "PercentRebate" under Provider, and "Makin Malam Makin Murah" under Label. At the bottom are navigation buttons for pages and a page number indicator.

- Tambah Voucher Diskon 20%

The screenshot shows the aimcos Marketing module interface for creating a new voucher. The sidebar is identical to the previous screenshot. The main area is titled "By day: 5 - Pejuang Gadang (Pasar Malam)". It has tabs for "Basic" and "Codes". Under "Basic", there are fields for Status (Enabled), Label (Pejuang Gadang), Provider (PercentRebate), Start date (2023-01-23 23:00), and End date (2023-01-23 00:00). Below these are modification details: Modified: 2023-01-23 16:57:22, Created: 2023-01-23 16:57:22, and Editor: chandika7d@gmail.com. To the right is a table of options with their values: percentrebate.prc (2), percentrebate.prc (demo-article), percentrebate.rek (0), and percentrebate.roi (20). Buttons for "?" (Help), "Cancel", and "Save" are at the top right. A "Bug or suggestion?" link is at the bottom.

- Berhasil menambahkan voucher

Status	Provider	Label
All	PercentRebate	Makin Malam Makin Murah
	PercentRebate	Pejuang Gadang

- Edit Voucher

Option	Value
percentrebate.pre	2
percentrebate.prc	demo-article
percentrebate.ret	0
percentrebate.rot	20

- Berhasil Edit Voucher

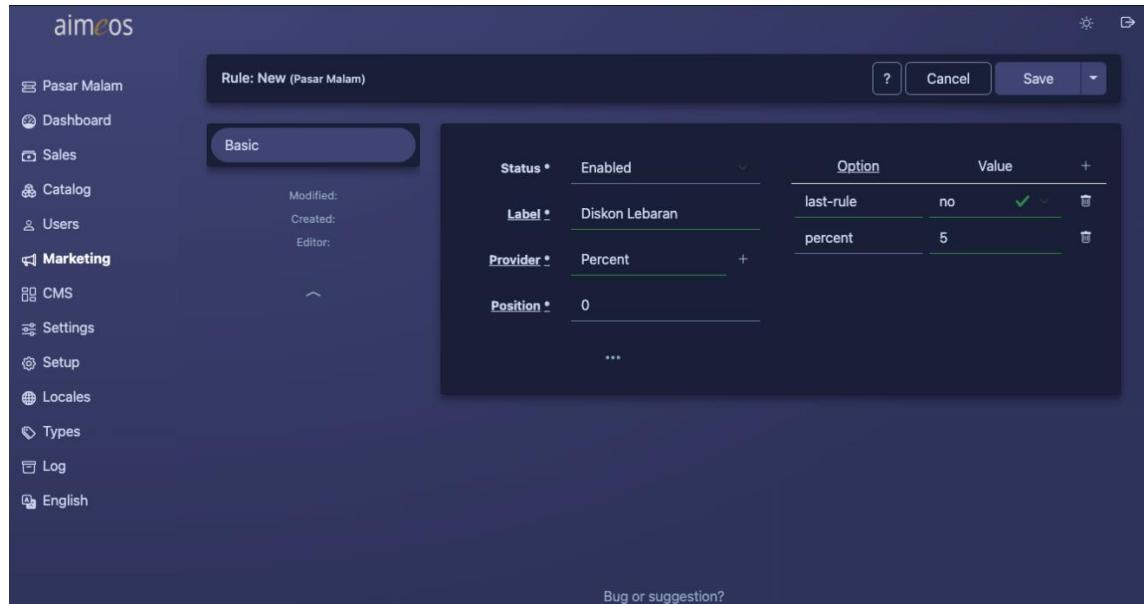
	Status	Provider	Label
<input type="checkbox"/>	All		
<input type="checkbox"/>	✓	PercentRebate	Makin Malam Makin Murah
<input type="checkbox"/>	✓	PercentRebate	Pejuang Gadang 20%

- List Price Rules

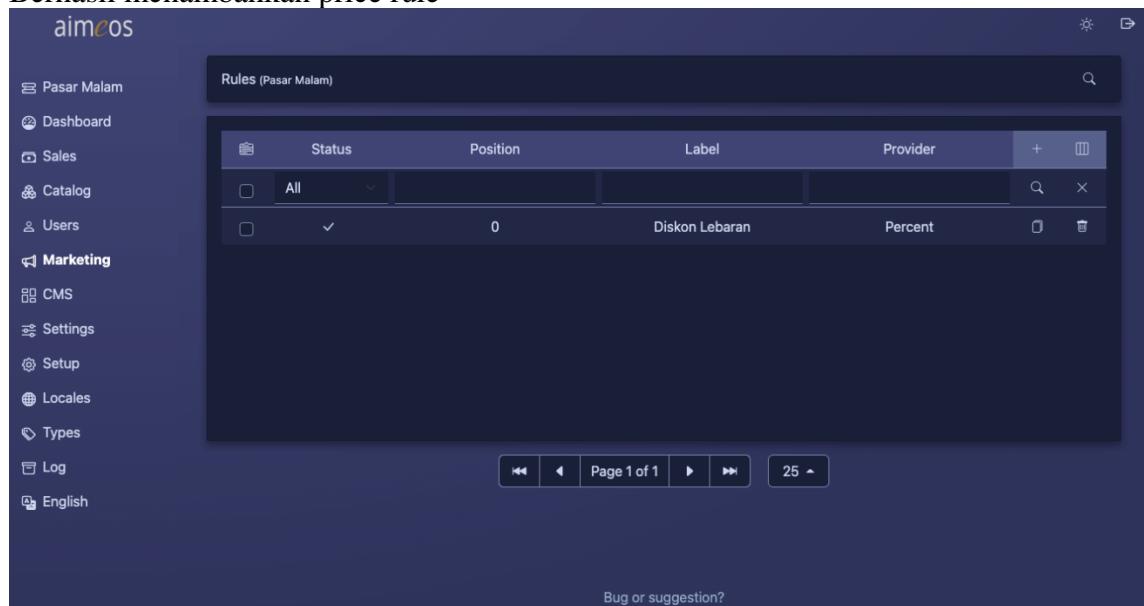
	Status	Position	Label	Provider
<input type="checkbox"/>	All			

No items found

- Menambahkan Price Rule



- Berhasil menambahkan price rule



- Edit Price Rules

The screenshot shows the aimos application interface. On the left is a sidebar with navigation links: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (selected), CMS, Settings, Setup, Locales, Types, Log, and English. The main content area has a title "Rule: 1 - Diskon Lebaran (Pasar Malam)". It includes a "Basic" tab, modification history (Modified: 2023-01-23 17:02:05, Created: 2023-01-23 17:02:05, Editor: chandika7d@gmail.com), and a table for configuration. The table has columns for Status, Option, Value, Label, Provider, Position, Start date, and End date. The configuration is as follows:

Status *	Enabled	Option	Value	+/-
Label *	Diskon Lebaran	last-rule	yes	✓
Provider *	Percent	percent	5	-
Position *	0			
Start date	2023-01-24 00:00			
End date	2023-01-31 00:00			

At the bottom right of the main area is a "Bug or suggestion?" link.

- Berhasil edit price rule

The screenshot shows the aimos application interface. The sidebar is identical to the previous screenshot. The main content area has a title "Rules (Pasar Malam)" and displays a table of rules. The table has columns for Status, Position, Label, and Provider. One rule is listed:

Status	Position	Label	Provider
All	0	Diskon Lebaran	Percent

At the bottom right of the main area is a "Bug or suggestion?" link.

- List Review

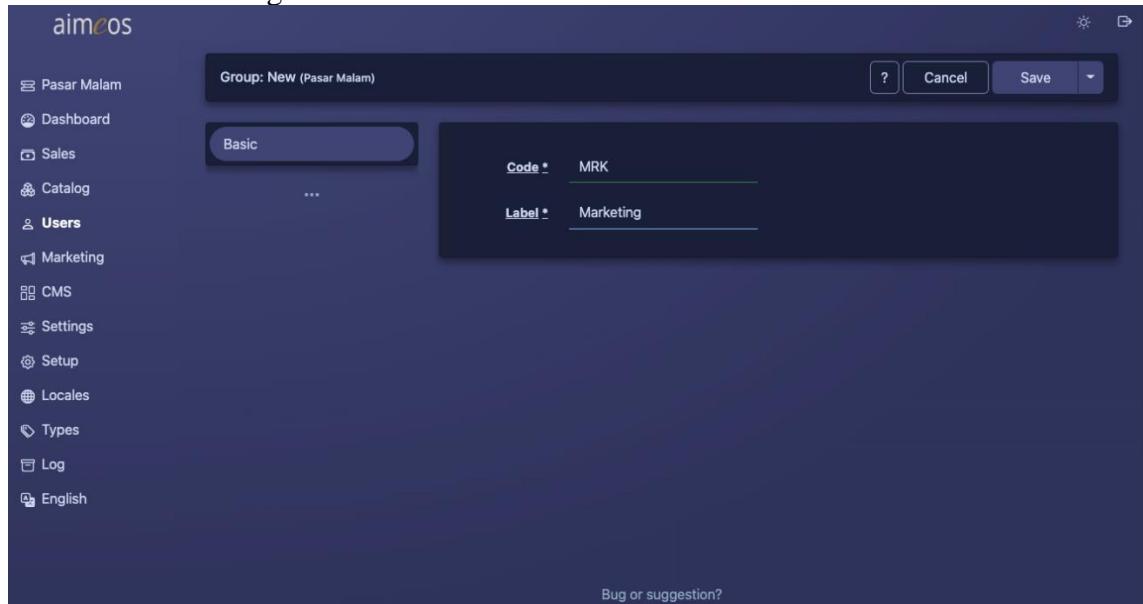
The screenshot shows the 'Review' list page within the aimcos application. The left sidebar contains navigation links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (with CMS, Settings, Setup, Locales, Types, Log, English), and a language switcher. The main content area is titled 'Review (Pasar Malam)' and displays a table with columns: Status, Rating, Comment, Response, and Created. A dropdown menu for 'Status' is open, showing 'All' as the selected option. The table shows one row with the status 'All'. Below the table, a message says 'No items found'. At the bottom, there are navigation buttons for back, forward, and search, along with a page number indicator 'Page 1 of 1' and a page size selector '25 ▲'.

## User | Category

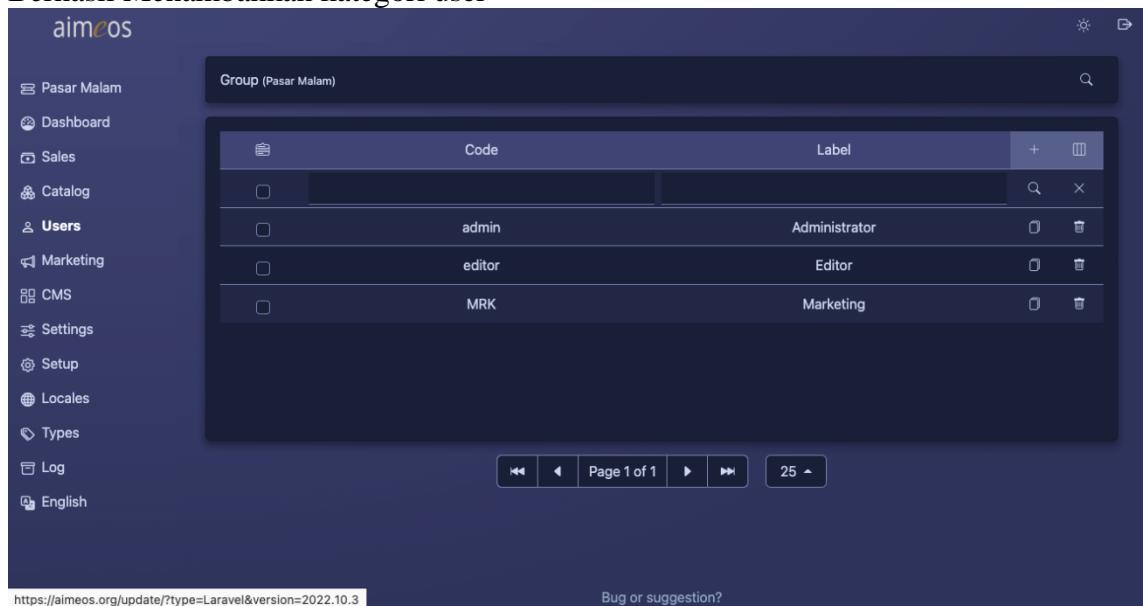
- List Kategori User

The screenshot shows the 'Group' list page within the aimcos application. The left sidebar contains navigation links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (with CMS, Settings, Setup, Locales, Types, Log, English), and a language switcher. The main content area is titled 'Group (Pasar Malam)' and displays a table with columns: Code, Label, and actions (+, edit, delete). Two groups are listed: 'admin' (Label: Administrator) and 'editor' (Label: Editor). Below the table, a message says 'No items found'. At the bottom, there are navigation buttons for back, forward, and search, along with a page number indicator 'Page 1 of 1' and a page size selector '25 ▲'.

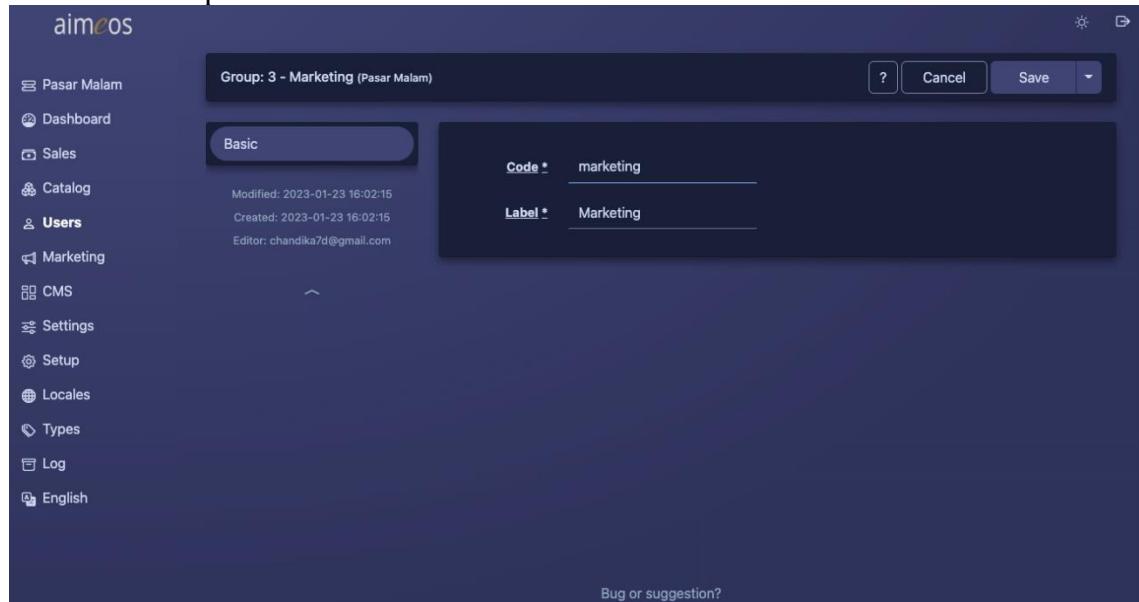
- Menambahkan Kategori User



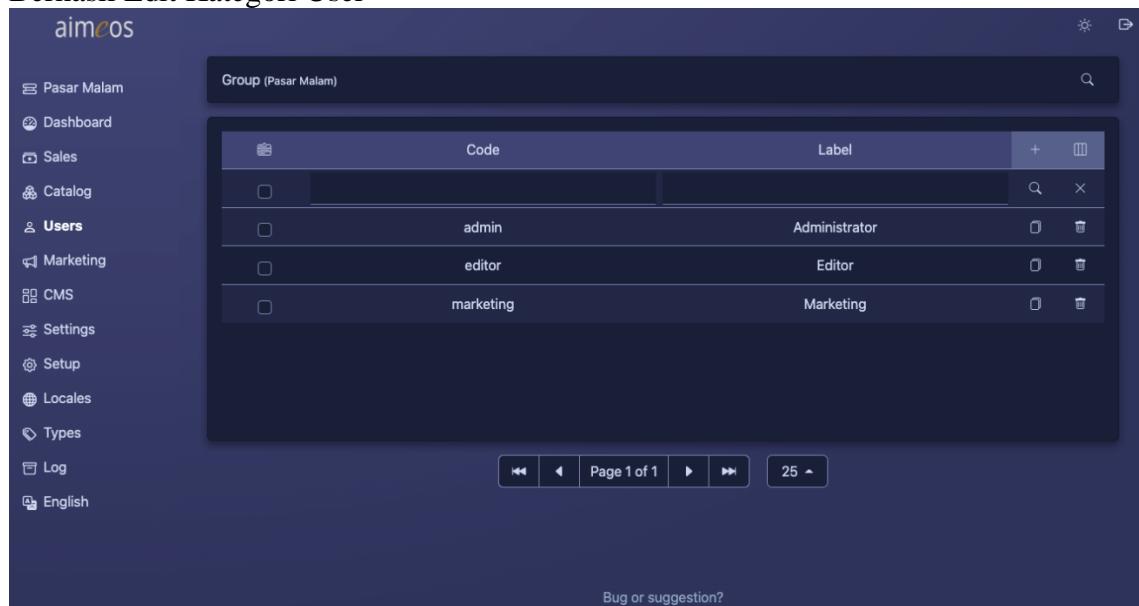
- Berhasil Menambahkan kategori user



- Edit User Group



- Berhasil Edit Kategori User



- List User

The screenshot shows the aimos application interface. On the left is a dark sidebar with various menu items: Pasar Malam, Dashboard, Sales, Catalog, Users (selected), Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main area is titled "Customer (Pasar Malam)" and contains a table with columns: Code, Last name, Postal, City, and actions. Two rows are visible: one for "demo@example.com" and another for "chandika7d@gmail.com". At the bottom, there are navigation buttons for pages and a page number indicator "25 ▲". A status bar at the bottom right says "Bug or suggestion?".

- Menambahkan User

The screenshot shows the aimos application interface for creating a new customer. The sidebar is identical to the previous screenshot. The main area is titled "Customer: New (Pasar Malam)". It has two main sections: "Basic" and "Personal data/Billing address". The "Basic" section includes fields for Status (Enabled), Account (jesicarekcah@gmail.com), Password (redacted), Verified (2023-01-23), and User groups (Administrator (admin), Editor (editor), Marketing (marketing)). The "Personal data" section includes fields for Language (Indonesian), Salutation (none), Title (Honorary title (optional)), and Last name (Last name (required)). The "Billing address" section includes fields for Street, House number, Floor / Apartment, and Zip code, all labeled as optional.

- Berhasil Menambahkan User

The screenshot shows the aimos application interface with a dark blue header and sidebar. The sidebar on the left includes links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main area is titled "Customer (Pasar Malam)" and displays a table with columns: Code, Last name, Postal, and City. There are three rows of data:

	Code	Last name	Postal	City
<input type="checkbox"/>	demo@example.com	User	10000	Test city
<input type="checkbox"/>	chandika7d@gmail.com			
<input type="checkbox"/>	jesicarekcah@gmail.com	Rekcah		Bandung

At the bottom of the table are navigation buttons: back, forward, page 1 of 1, next, and a page size selector set to 25. A footer message "Bug or suggestion?" is visible at the bottom.

## CMS

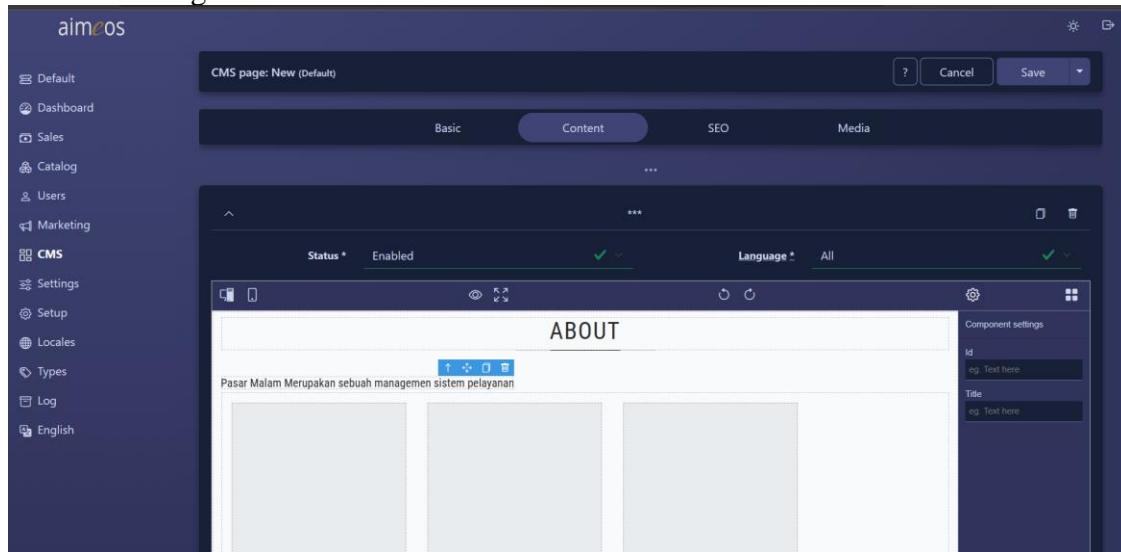
- menambah bagian basic di CMS

The screenshot shows the CMS page: New (Default) form. The sidebar on the left is identical to the previous screenshot. The main form has tabs for Basic, Content, SEO, and Media. The Basic tab is selected and contains the following fields:

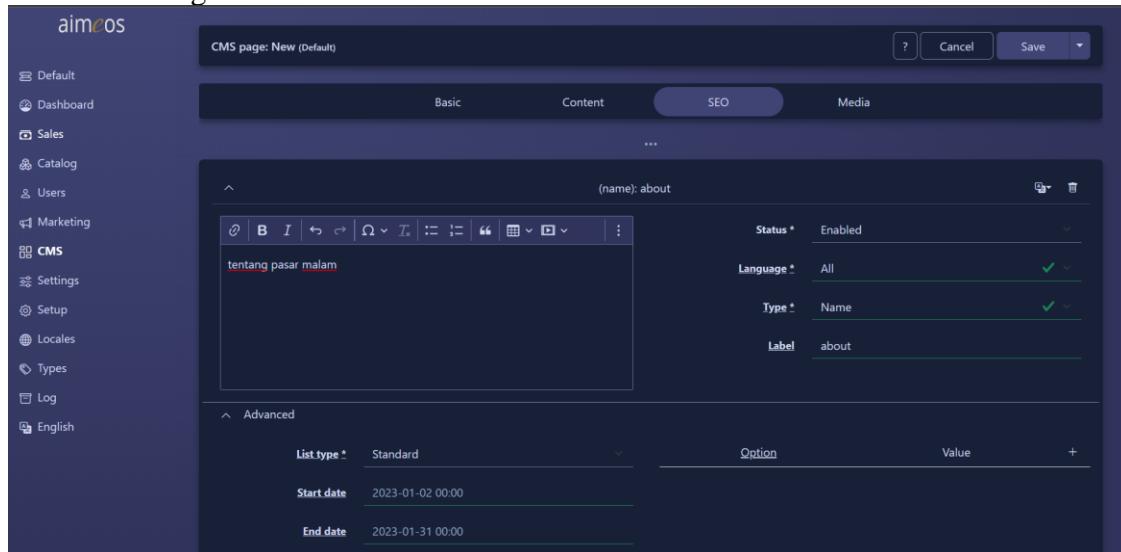
- Status \*: Enabled
- URL \*: /about
- Title \*: About

At the top right of the form are buttons for ?, Cancel, Save, and a dropdown menu. The footer message "Bug or suggestion?" is also present.

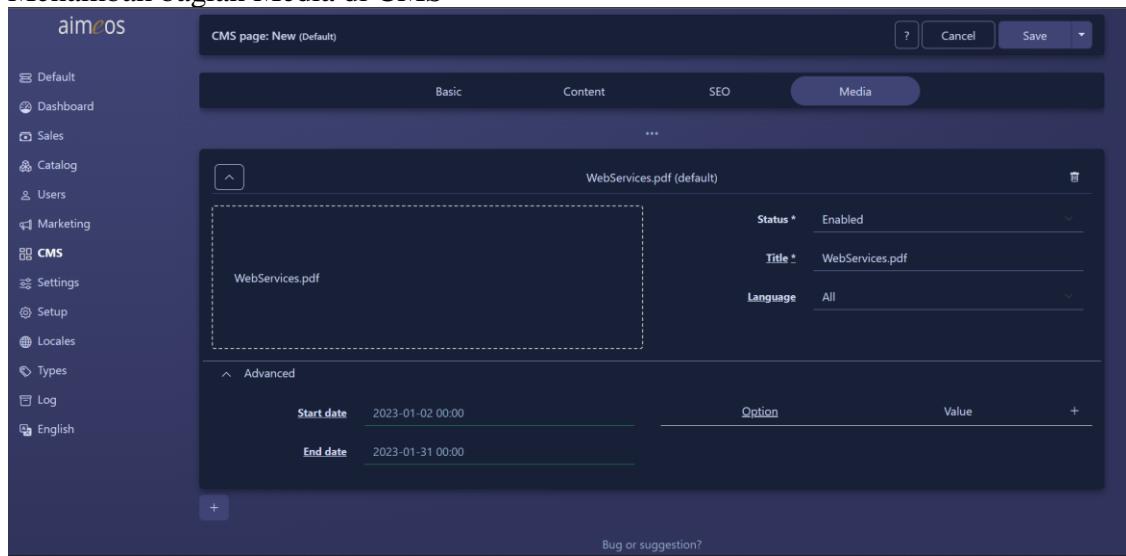
- Menambah bagian Content di CMS



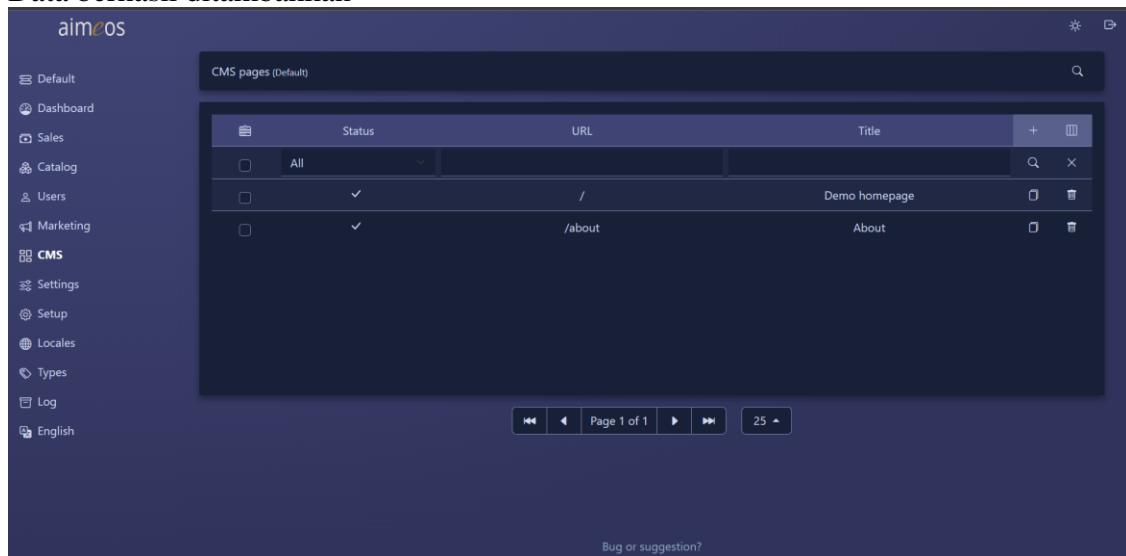
- Menambah bagian SEO di CMS



- Menambah bagian Media di CMS



- Data berhasil ditambahkan



## LOCALES

- Menambah bagian locales pada menu locales

The screenshot displays two views of the aimos application interface, specifically focusing on the 'Locales' section.

**Top View (New Locale Creation):** A modal window titled 'Locale: New (Default)' is open. It contains a 'Basic' tab and several configuration fields:

- Status \*: Enabled
- Language \*: en
- Currency \*: CNY
- Position \*: 4

Buttons for '?', 'Cancel', and 'Save' are visible at the top right of the modal.

**Bottom View (List of Locales):** A table titled 'Locale (Default)' shows a list of existing locales. The columns are: Status, Language, Currency, Position, and actions (Edit, Delete). The data is as follows:

Status	Language	Currency	Position	Action
✓	en	EUR	0	<span>Edit</span> <span>Delete</span>
✓	en	USD	1	<span>Edit</span> <span>Delete</span>
✓	de	EUR	2	<span>Edit</span> <span>Delete</span>
✓	en	CNY	4	<span>Edit</span> <span>Delete</span>

Pagination controls at the bottom indicate 'Page 1 of 1' and a total of '25' items.

- Menambag site pada menu locales

The screenshot displays the aimeos CMS interface with two main windows:

**Top Window (Site: New):**

- Left Sidebar:** Default, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, English.
- Current View:** Basic tab selected.
- Form Fields:**
  - Status: Enabled (checked)
  - Code: default
  - Label: user1
  - Table: Option Value
 

resource/email/from-email	user1@gmail.com
---------------------------	-----------------
- Buttons:** ? (Help), Cancel, Save, and a dropdown menu.

**Bottom Window (Sites):**

- Left Sidebar:** Same as the top window.
- Current View:** Sites tab selected.
- Table:**

	Status	Code	Label	Config	Actions
<input type="checkbox"/>	All				<input type="button" value="Search"/> <input type="button" value="X"/>
<input type="checkbox"/>	✓	default	Default	resource: "email";"from-email": "opiksetiawar; theme: "default";"--ai-product-image-ratio";	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
<input type="checkbox"/>	✓	user1	user1	resource: "email";"from-email": "user1@gmail.com";	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
- Buttons:** Bug or suggestion?, Page 1 of 1, navigation arrows, and a page number input (25).

- Menampilkan languages pada menu locales

The screenshot shows the 'Languages' section of the aim eos application. The sidebar on the left has 'Locales' selected. The main content area is titled 'Languages' and contains a table with the following data:

	Status	Code	Label	Actions
<input type="checkbox"/>	All	vo	Volapük	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	wa	Walloon	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	wo	Wolof	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	xh	Xhosa	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	yi	Yiddish	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	yo	Yoruba	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	za	Zhuang	<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	zu	Zulu	<input type="button"/> <input type="button"/>

- Menampilkan Currencies pada menu locales

The screenshot shows the 'Currencies' section of the aim eos application. The sidebar on the left has 'Locales' selected. The main content area is titled 'Currencies' and contains a table with the following data:

	Status	Code	Label	Actions
<input type="checkbox"/>	All	idr		<input type="button"/> <input type="button"/>
<input type="checkbox"/>	X	IDR	Indonesian rupiah	<input type="button"/> <input type="button"/>

Bug or suggestion?