

**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\Breadcrumb\BreadcrumbServiceProvider" --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.

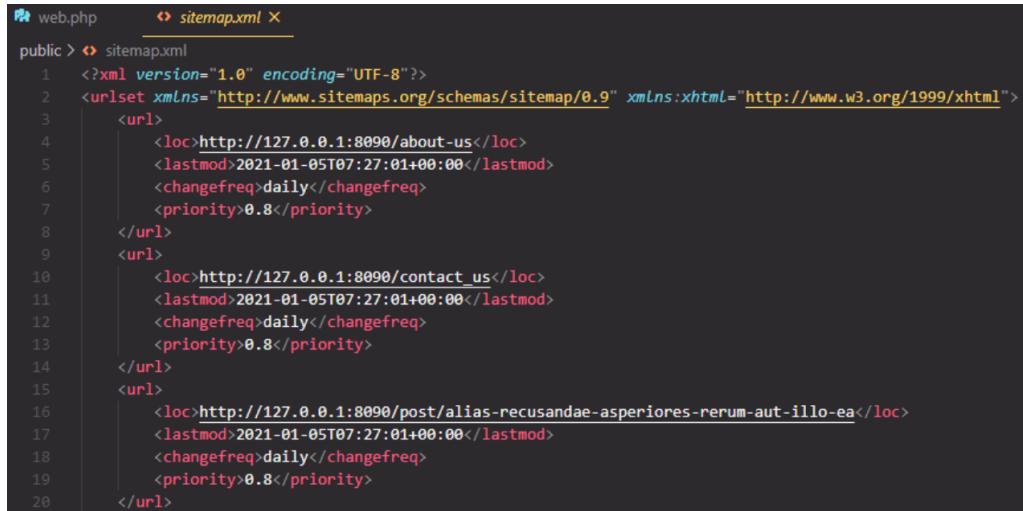
```

<?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



```

web.php      <> sitemap.xml X
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>

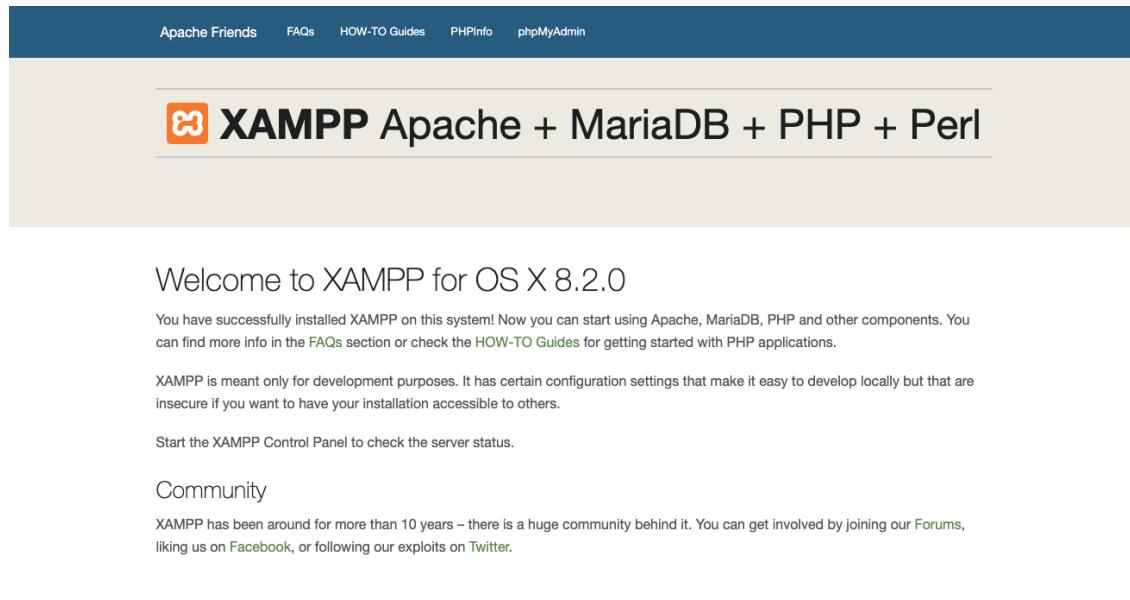
```

Bagian 2

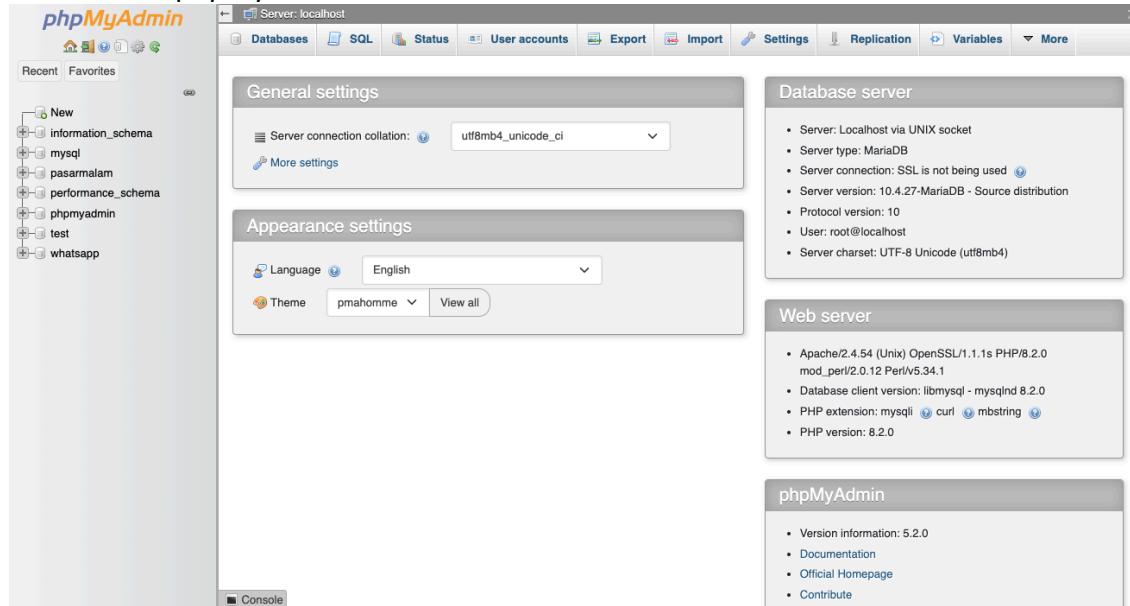
Sprint 0 : Perencanaan
0 Day 1, Sprint 0 : 1jam, Persiapan

- 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



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 Aimeos berhasil diinstall

The screenshot shows a terminal window with the following content:

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

If you are still using PHP 7.3 or 7.4, install / MINGW64/d/laragon/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 inter
execute the following command to start thi
cd myshop
php artisan serve

Congratulations! You successfully set up your Aimeos shop!
Video tutorials: https://www.youtube.com/c/aimeos
Documentation: https://aimeos.org/docs
Get help: https://aimeos.org/help
Contribute: https://github.com/aimeos
Give a star: https://github.com/aimeos/aimeos
Made with love by the Aimeos community. Be a part of it!
acer@LAPTOP-1BOP4J3P:~/MINGW64/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

The screenshot shows a terminal window with the following content:

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

If you are still using PHP 7.3 or 7.4, install / MINGW64/d/laragon/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 inter
execute the following command to start thi
cd myshop
php artisan serve

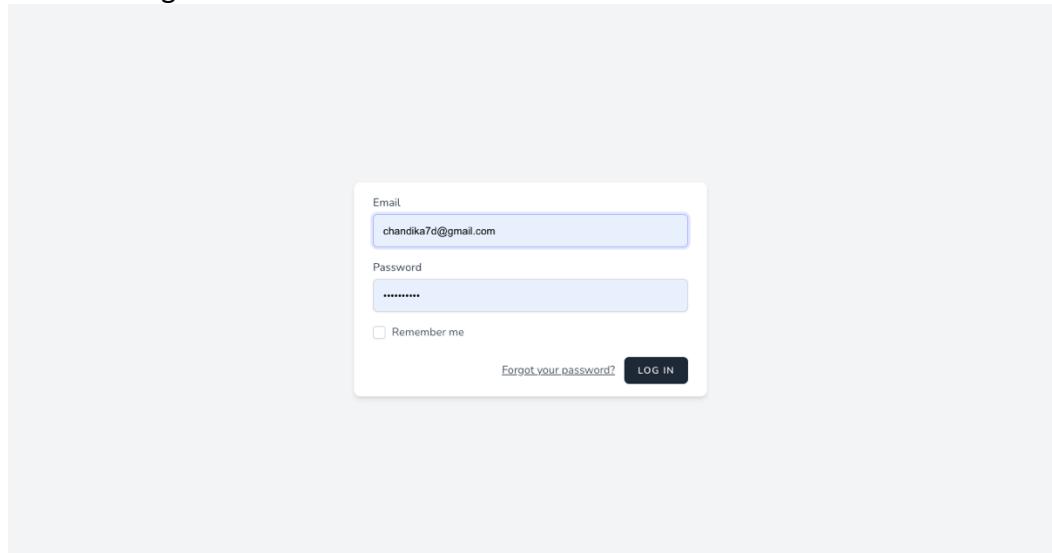
Congratulations! You successfully set up your Aimeos shop!
Video tutorials: https://www.youtube.com/c/aimeos
Documentation: https://aimeos.org/docs
Get help: https://aimeos.org/help
Contribute: https://github.com/aimeos
Give a star: https://github.com/aimeos/aimeos
Made with love by the Aimeos community. Be a part of it!
acer@LAPTOP-1BOP4J3P:~/MINGW64/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.:

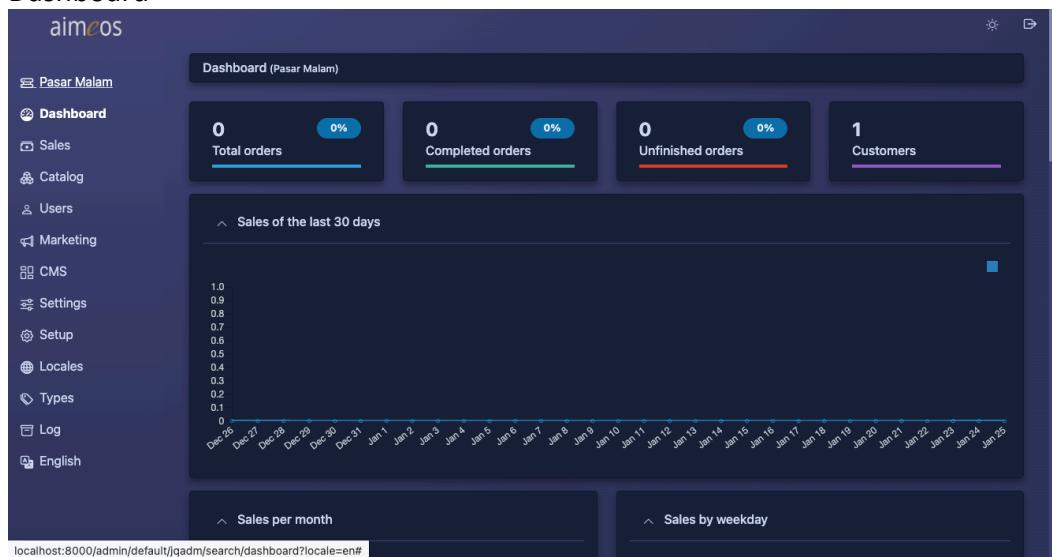
```
APP_URL=http://myhostingdomain.com
```

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

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



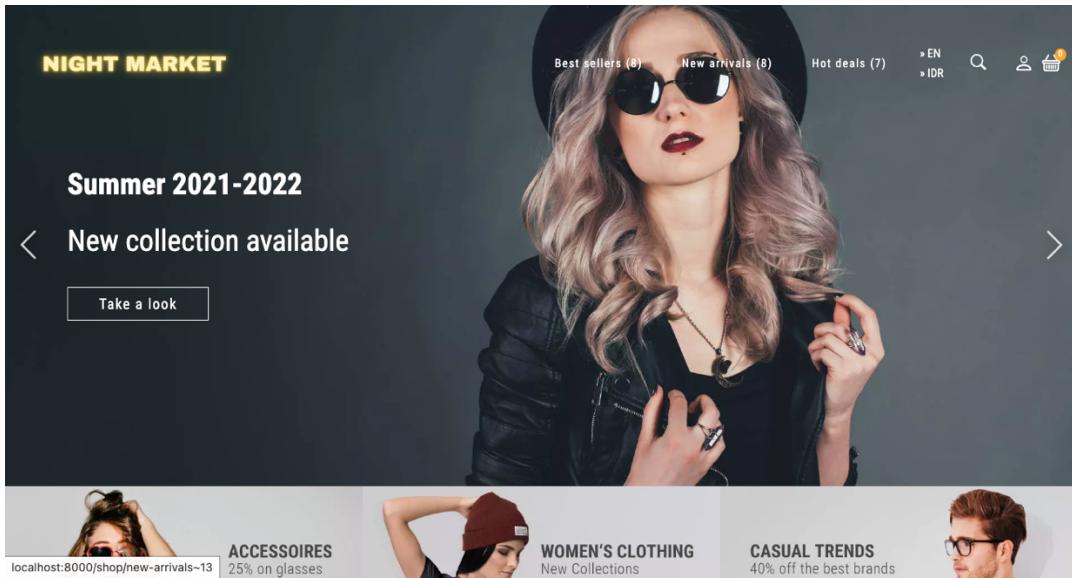
The screenshot shows the Aimeos administration interface. On the left is a sidebar with navigation links: Dashboard, Sales, Catalog (selected), Users, Marketing, CMS, Configuration, Locales, Types, Log, and English. The main area is titled "Product (Wisata Malam)". It displays a table with the following data:

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

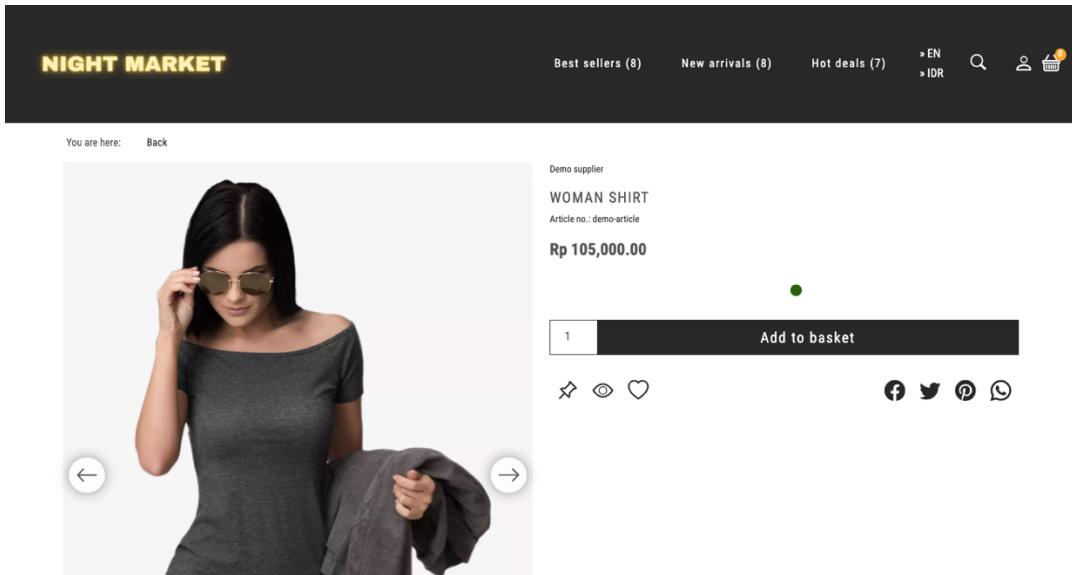
2.4. Setelah tahap 2.3. selesai, Tim Leader melakukan evaluasi fitur. Semua fitur dites dan dipastikan berjalan dengan baik. Setelah tes berhasil, maka Prototype ini disetujui dengan nama Prototype Market Place Pasar Malam versi 1.4. disimpan di GitHub., termasuk screenshot Prototype 1.4. dengan semua 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
		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

First name* _____

Last name* _____

Company

Street*

* Adresslabel - - - - - * Adresslabel - - - - -

- Checkout : Pilih pengiriman

NIGHT MARKET



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

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



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

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

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

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"/>	<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

Bug or suggestion?

Dashboard Admin

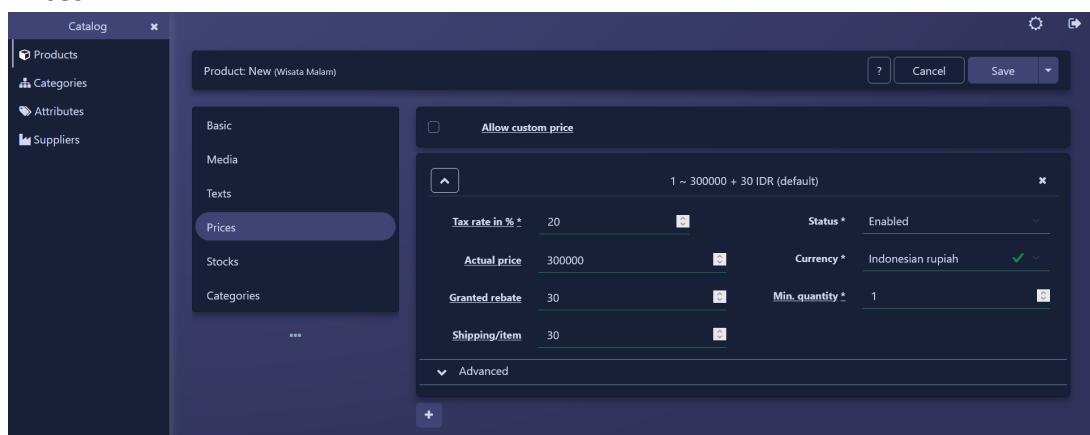
Catalog | Product

- Basic

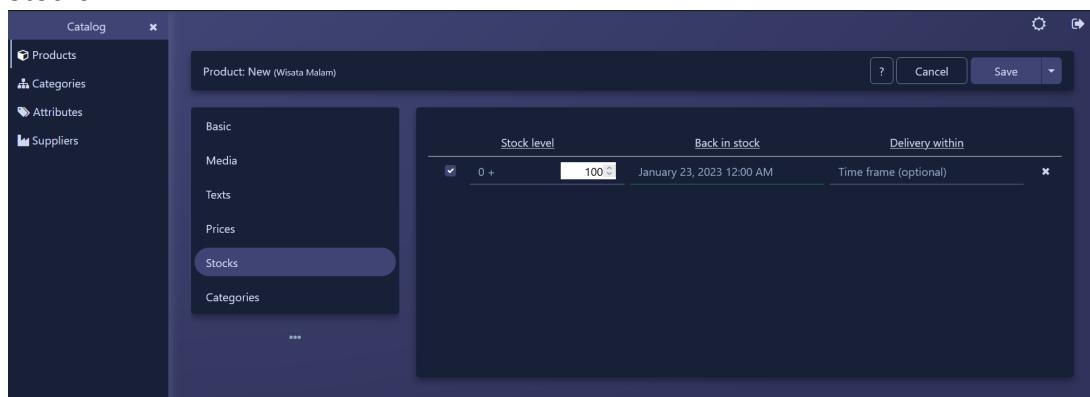
○ Media



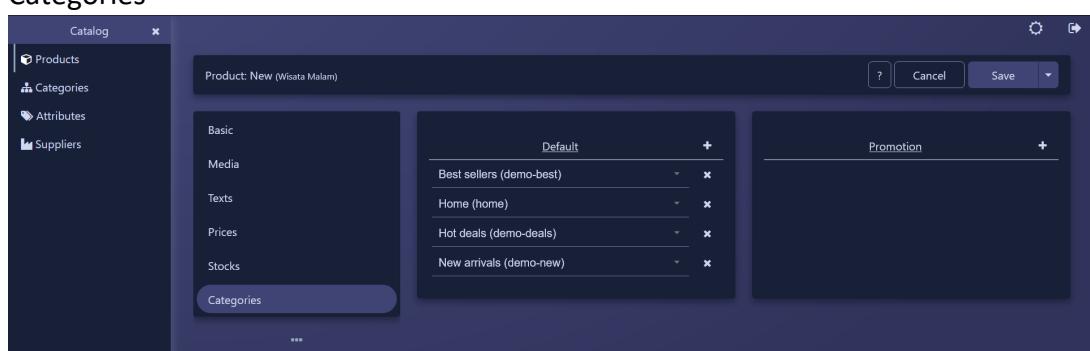
○ Prices



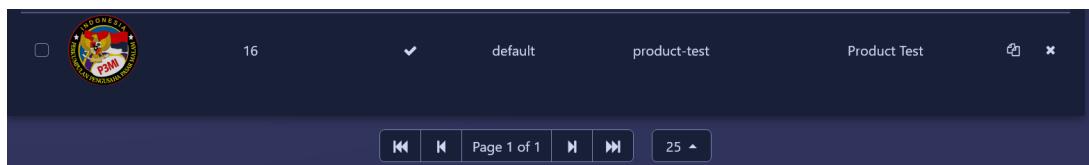
○ Stocks



○ Categories



- Hasil



Catalog | Category

- Basic

Status*	Enabled
Code*	test-category
Label*	Category

- Media

Status*	Enabled
Type*	Standard
Title*	logo-pasar-malam-removebg-preview.png (default)
Language	All

- Text

Categories: 6 - Category (Wisata Malam)

Basic Media Texts Products

(meta-description): Test Product Text

Meta descriptions are important because they are shown in the search engine result page

Status * Enabled Language * All Type * Meta description Label Test Product Text

- Products

Position ↓	Status	Type	Product
0	Enabled	Standard	1 - Demo article (demo-article)

Catalog | Atributes

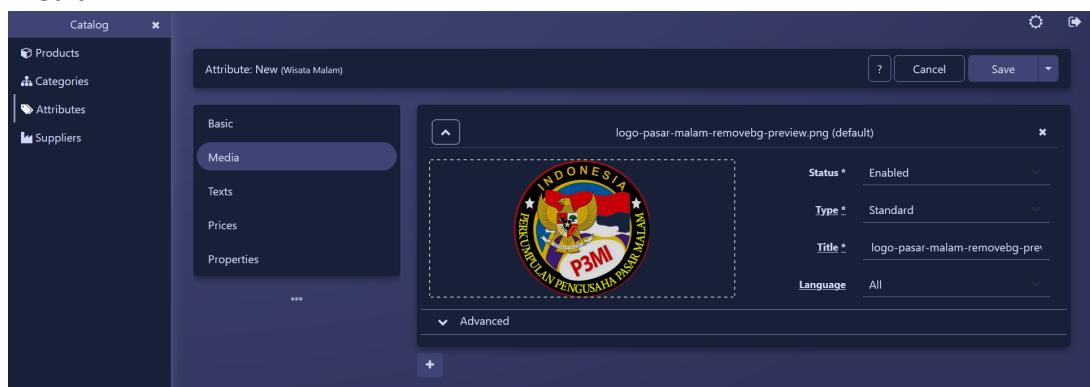
- Basic

Attribute: New (Wisata Malam)

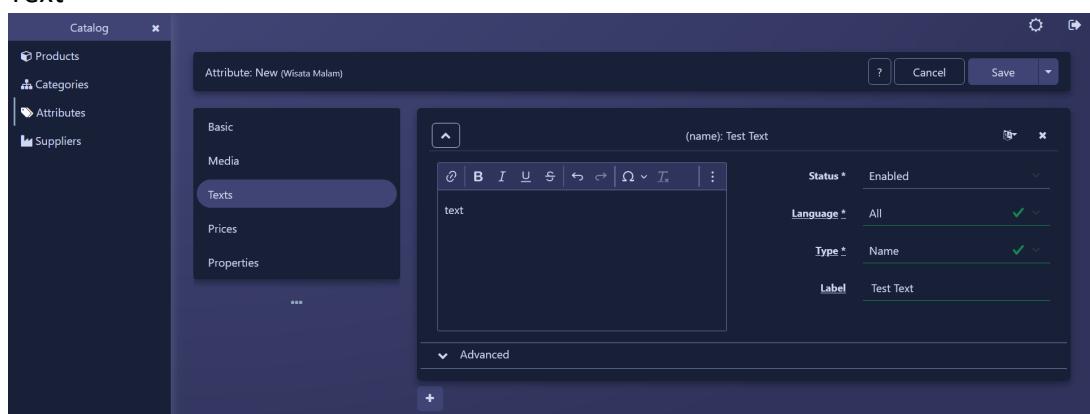
Basic Media Texts Prices Properties

Domain * Products Status * Enabled Type * Please select Code * test-attributes Label * Test Attributes Position 0

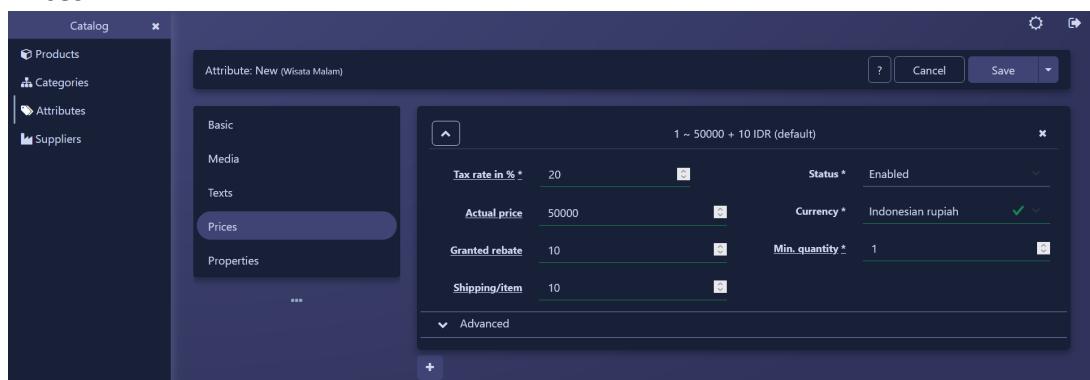
○ Media



○ Text



○ Prices



○ Hasil



Catalog | Suplier

○ Basic

The screenshot shows the 'Basic' tab of a supplier creation form. On the left, a sidebar lists 'Products', 'Categories', 'Attributes', and 'Suppliers'. The main area has tabs for 'Basic', 'Addresses', 'Media', 'Texts', and 'Products'. The 'Basic' tab is active, showing fields for 'Status *' (Enabled), 'Code *' (test-suppliers), and 'Label *' (Test Suppliers). Buttons for '?', 'Cancel', and 'Save' are at the top right.

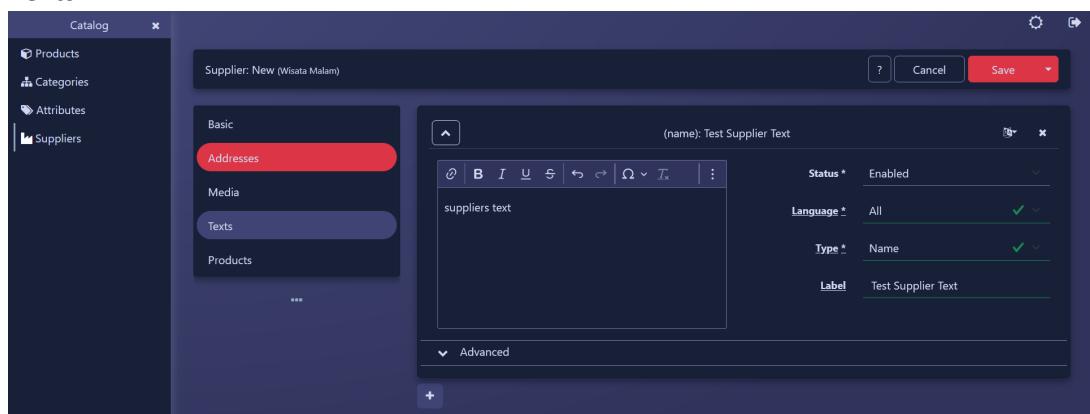
○ Addresses

The screenshot shows the 'Addresses' tab of the supplier creation form. The sidebar and tabs are the same as the previous screenshot. The 'Addresses' tab is active, displaying a detailed address form with fields for Language (English), Salutation (Company), Title, Last name, First name, Street, House number, Floor / Apartment, Zip code, City (Bandung), Country (Indonesia), and State. Below this are sections for 'Communication' (Telephone, Facsimile, E-mail, Web site) and 'Company details' (Company, VAT ID).

○ Media

The screenshot shows the 'Media' tab of the supplier creation form. The sidebar and tabs are the same. The 'Media' tab is active, showing a preview of an uploaded logo file named 'logo-pasar-malam-removebg-preview.png'. The file is a circular emblem of the Indonesian National Monument (Monas) with the text 'INDONESIA' and 'P3MI'. The media settings include 'Status *' (Enabled), 'Title *' (logo-pasar-malam-removebg-pre), and 'Language' (All). Advanced options and a plus sign for adding more files are visible at the bottom.

- Texts

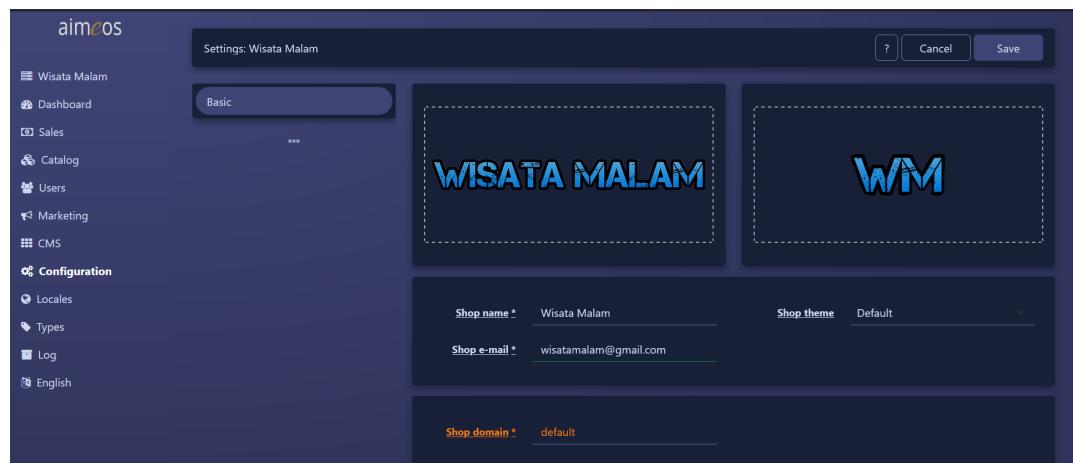


- Hasil



Configuration

- Basic



Marketing

- List Voucher

The screenshot shows the aim eos marketing interface. On the left, there's a sidebar with navigation links: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (which is selected and highlighted in blue), CMS, Settings, Setup, Locales, Types, Log, and English. The main area has a title "By day (Pasar Malam)". Below it is a table with columns: Status, Provider, and Label. The status dropdown is set to "All". The provider dropdown is set to "PercentRebate". The label "Makin Malam Makin Murah" is listed. At the bottom, there are navigation buttons for pages and a page number indicator "25". A "Bug or suggestion?" link is at the bottom right.

- Tambah Voucher Diskon 20%

The screenshot shows the aim eos marketing interface for creating a new voucher. The sidebar is identical to the previous screenshot. The main area has a title "By day: 5 - Pejuang Gadang (Pasar Malam)". On the left, there's a "Basic" tab and a "Codes" tab. 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). On the right, there's a table of options with their values: percentrebate.pre (2), percentrebate.prc (demo-article), percentrebate.rek (0), and percentrebate.ro (20). At the top right, there are "Cancel" and "Save" buttons. A "Bug or suggestion?" link is at the bottom right.

- Berhasil menambahkan voucher

The screenshot shows the aimeos application interface. On the left, there is a sidebar with various menu items: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (which is currently selected), CMS, Settings, Setup, Locales, Types, Log, and English. The main content area has a title "By day (Pasar Malam)". Below the title is a table with columns: Status, Provider, and Label. There are two rows in the table:

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

At the bottom of the main content area, there are navigation buttons for pages and a page number indicator "Page 1 of 1". A footer at the bottom right says "Bug or suggestion?".

- Edit Voucher

The screenshot shows the aimeos application interface for editing a voucher. The sidebar is identical to the previous screenshot. The main content area has a title "By day: 5 - Pejuang Gadang (Pasar Malam)". On the left, there are tabs for "Basic" and "Codes", with "Basic" being active. Below the tabs, there is some metadata: Modified: 2023-01-23 16:57:22, Created: 2023-01-23 16:57:22, and Editor: chandika7d@gmail.com. The right side of the screen contains a table with columns: Status, Option, Value, and a plus sign (+). The table has five rows:

Status *	Option	Value	+
Enabled	percentrebate.pre	2	
Pejuang Gadang 20%	percentrebate.prc	demo-article	
PercentRebate	percentrebate.rek	0	
2023-01-23 23:00	percentrebate.rol	20	
2023-01-23 00:00			

At the top right of the edit form, there are buttons for "?", "Cancel", "Save", and a dropdown menu. A footer at the bottom right says "Bug or suggestion?".

- Berhasil Edit Voucher

Status	Provider	Label
All	PercentRebate	Makin Malam Makin Murah
✓	PercentRebate	Pejuang Gadang 20%

- List Price Rules

Status	Position	Label	Provider
All			

- Menambahkan Price Rule

The screenshot shows the Aimeos application interface for creating a new price rule. The left sidebar contains navigation links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing (selected), CMS, Settings, Setup, Locales, Types, Log, and English. The main area has a title bar "Rule: New (Pasar Malam)" with buttons for ? (Help), Cancel, Save, and a dropdown. A "Basic" tab is selected. The form fields include:

Status *	Enabled
Label *	Diskon Lebaran
Provider *	Percent
Position *	0
Option Value	
last-rule	no ✓
percent	5

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

- Berhasil menambahkan price rule

The screenshot shows the Aimeos application interface displaying a list of rules for the "Pasar Malam" store. The left sidebar is identical to the previous screenshot. The main area has a title bar "Rules (Pasar Malam)" with a search icon. A table lists the rules:

	Status	Position	Label	Provider	Actions
<input type="checkbox"/>	All				<input type="button"/> <input type="button"/>
<input type="checkbox"/>	✓	0	Diskon Lebaran	Percent	<input type="button"/> <input type="button"/>

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

- Edit Price Rules

The screenshot shows the 'Basic' configuration for a price rule named 'Rule: 1 - Diskon Lebaran (Pasar Malam)'. The configuration includes:

- Status: Enabled
- Label: Diskon Lebaran
- Provider: Percent
- Position: 0
- Start date: 2023-01-24 00:00
- End date: 2023-01-31 00:00
- Options:
 - last-rule: yes
 - percent: 5

- Berhasil edit price rule

The screenshot shows a list of rules for 'Pasar Malam'. There is one rule listed:

	Status	Position	Label	Provider	Action
<input type="checkbox"/>	All				<input type="button" value=""/>
<input type="checkbox"/>	✓	0	Diskon Lebaran	Percent	<input type="button" value=""/> <input type="button" value=""/>

Page 1 of 1 | 25 ▲

- List Review

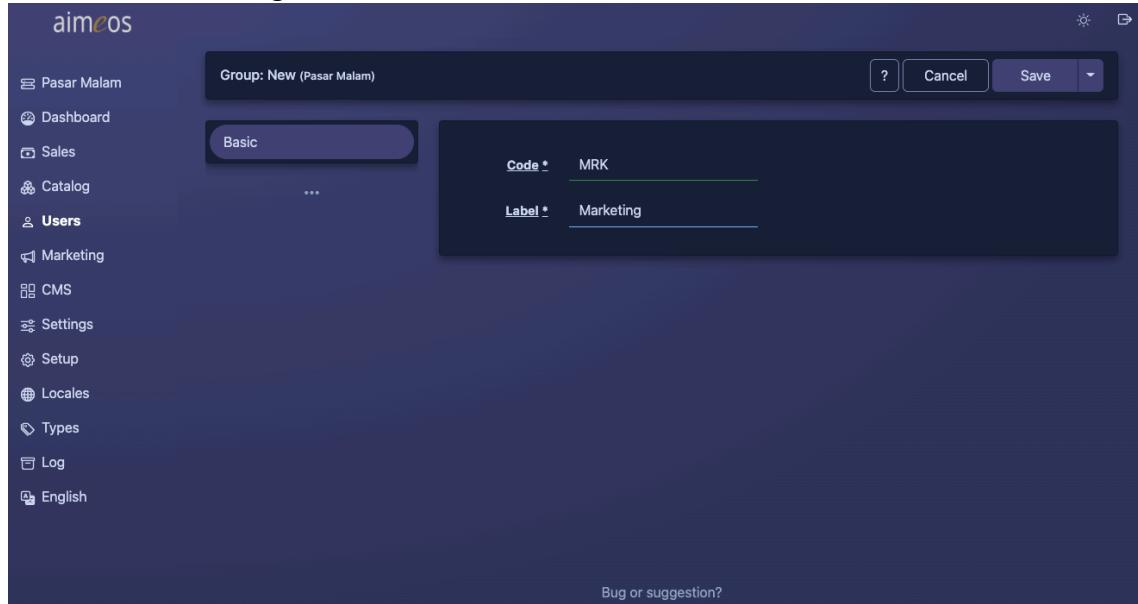
The screenshot shows the 'Review' list page within the aimos application. The left sidebar contains navigation links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main content area is titled 'Review (Pasar Malam)' and displays a table with columns: Status, Rating, Comment, Response, and Created. A dropdown menu under Status is set to 'All'. The table shows one row with the status 'No items found'. At the bottom of the page, 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 ▲'. A 'Bug or suggestion?' link is located at the bottom right.

User | Category

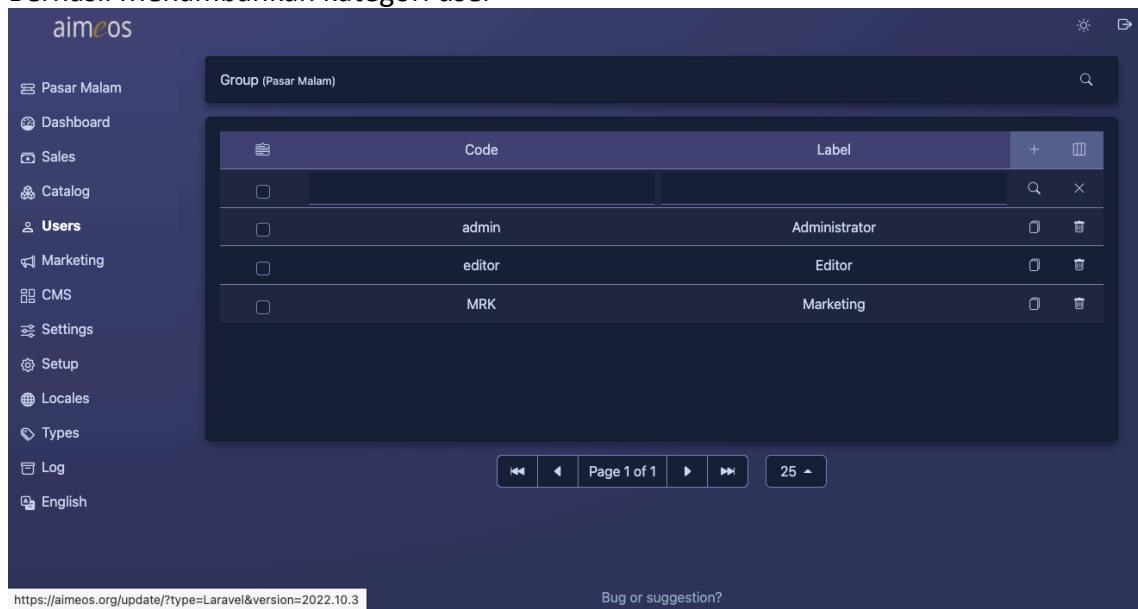
- List Kategori User

The screenshot shows the 'Group' list page within the aimos application. The left sidebar contains navigation links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main content area is titled 'Group (Pasar Malam)' and displays a table with columns: Code and Label. The table shows three rows: one empty row with a delete icon, and two populated rows with 'admin' and 'editor' as codes, and 'Administrator' and 'Editor' as labels respectively. At the bottom of the page, 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 ▲'. A 'Bug or suggestion?' link is located at the bottom right.

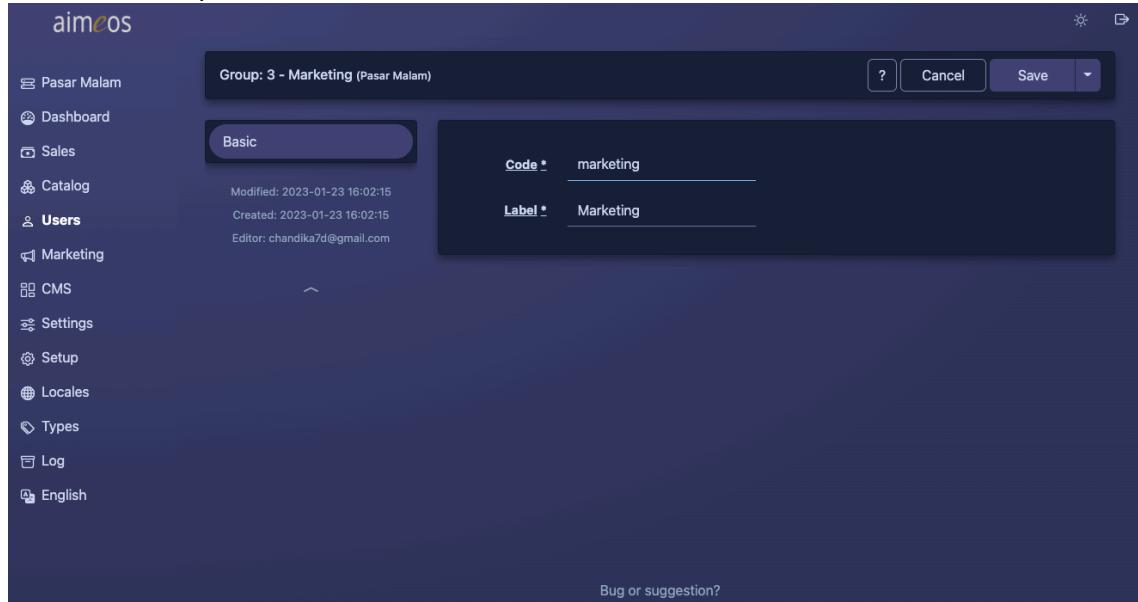
- Menambahkan Kategori User



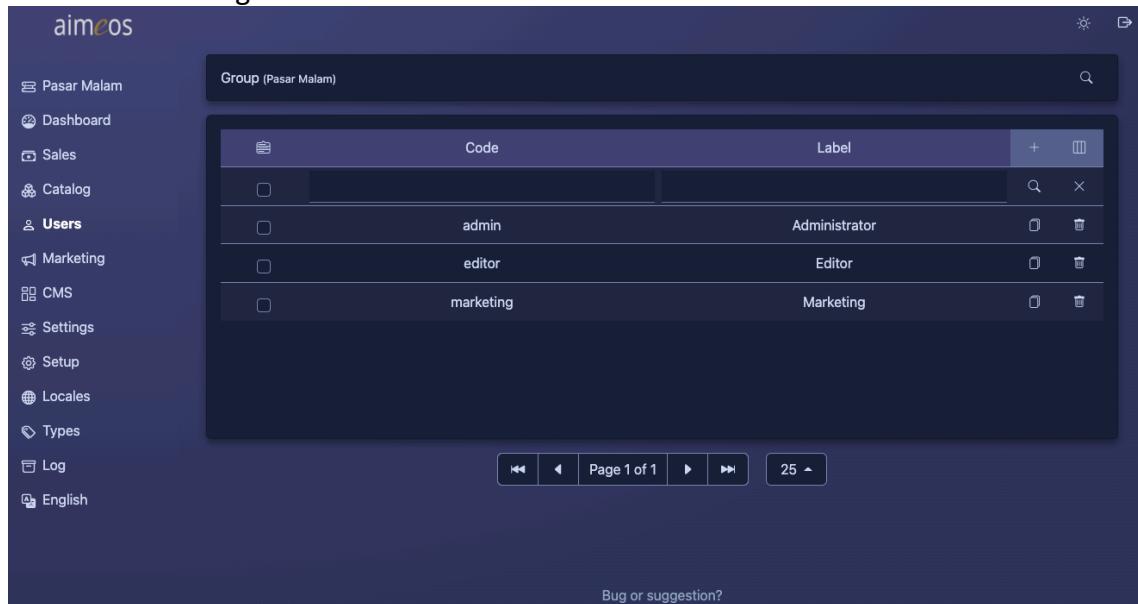
- Berhasil Menambahkan kategori user



- Edit User Group



- Berhasil Edit Kategori User



- List User

The screenshot shows the Aimeos application interface. The sidebar on the left has a dark blue background with white text. It includes links for Pasar Malam, Dashboard, Sales, Catalog, **Users**, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The 'Users' link is highlighted with a blue box. The main content area has a dark blue header with the text 'Customer (Pasar Malam)' and a search icon. Below the header is a table with the following data:

	Code	Last name	Postal	City	
<input type="checkbox"/>	demo@example.com	User	10000	Test city	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
<input type="checkbox"/>	chandika7d@gmail.com				<input type="button" value="Edit"/> <input type="button" value="Delete"/>

At the bottom of the main area, there are navigation buttons for back, forward, and search, followed by 'Page 1 of 1'. On the right side of the main area, there is a small text 'Bug or suggestion?'.

- Menambahkan User

The screenshot shows the 'Customer: New' creation form. The sidebar is the same as the previous screenshot. The main form has a header 'Customer: New (Pasar Malam)' with buttons for '?', 'Cancel', and 'Save'. The form is divided into several sections:

- Basic** tab (selected):
 - Status *: Enabled
 - Account *: jesicarekcah@gmail.com
 - Password *: (redacted)
 - Verified: 2023-01-23
 - User groups: Administrator (admin), Editor (editor), **Marketing (marketing)**
- Personal data** tab:
 - Language *: Indonesian
 - Salutation: none
 - Title: Honorary title (optional)
 - Last name *: Last name (required)
- Billing address** tab:
 - Street: Street name (optional)
 - House number: House number (optional)
 - Floor / Apartment: Floor and/or apartment (optional)
 - Zip code: Zip code (optional)

- Berhasil Menambahkan User

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

Bug or suggestion?

CMS

- menambah bagian basic di CMS

CMS page: New (Default)

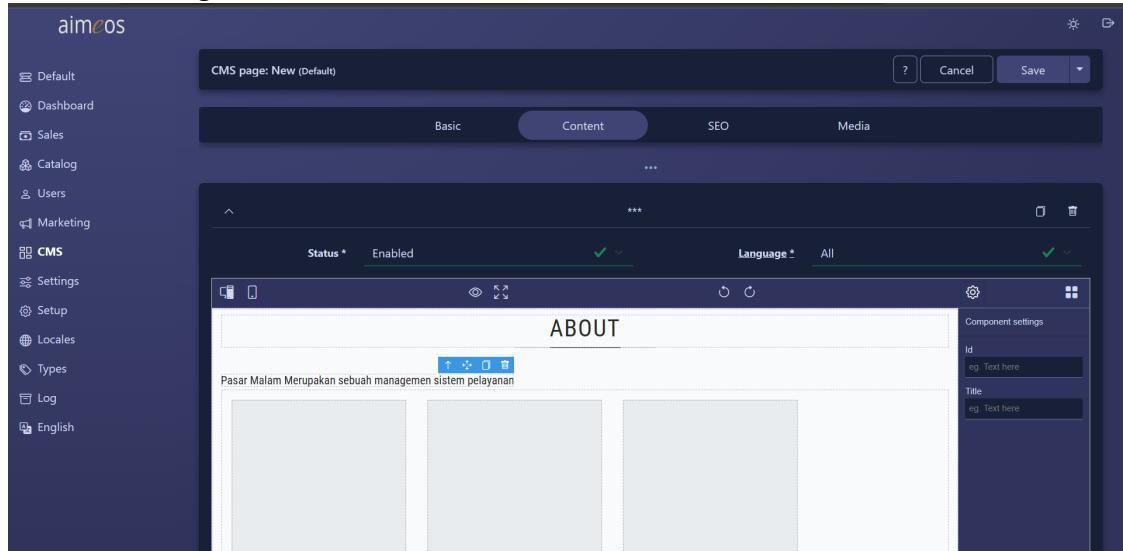
Basic Content SEO Media

Status * Enabled

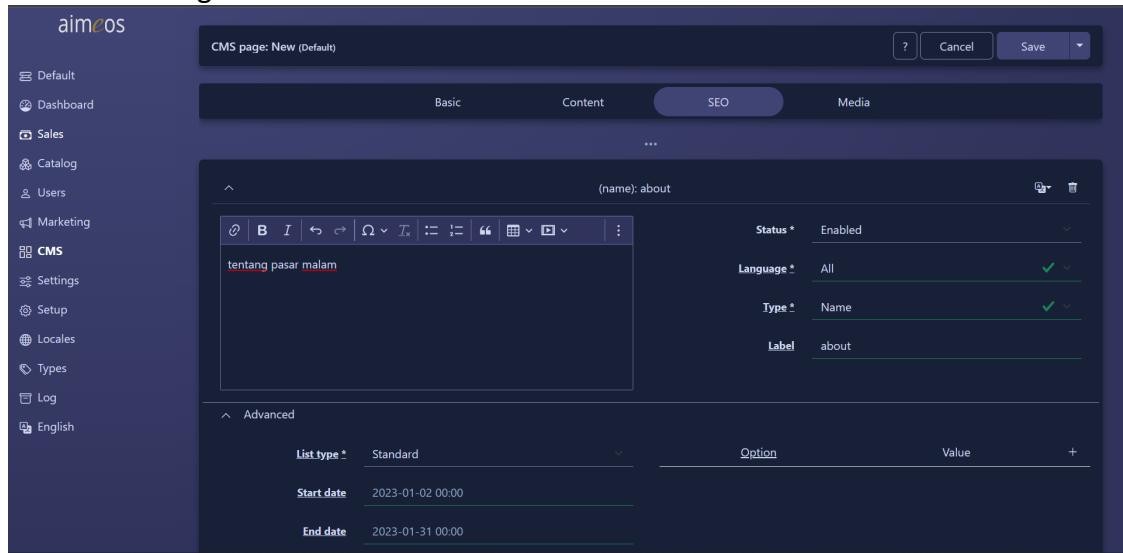
URL * /about

Title * About

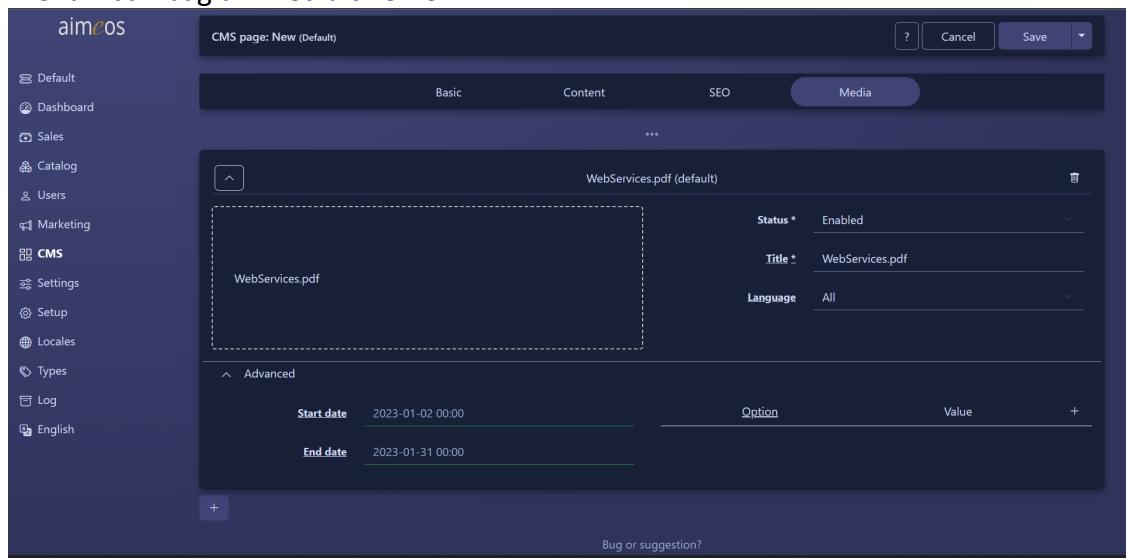
- Menambah bagian Content di CMS



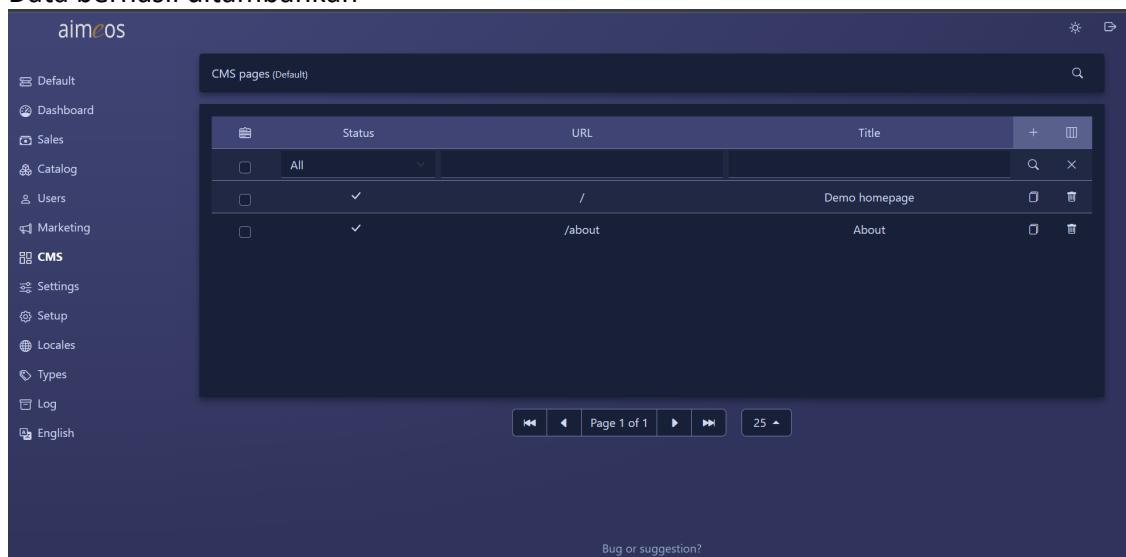
- Menambah bagian SEO di CMS



- Menambah bagian Media di CMS



- Data berhasil ditambahkan



LOCALES

- Menambah bagian locales pada menu locales

The screenshot displays two views of the aimos application's Locales module.

Top View: A modal window titled "Locale: New (Default)" is open. It shows a "Basic" tab selected. The form contains the following fields:

Status *	Enabled	✓
Language *	en	✓
Currency *	CNY	✓
Position *	4	Up/Down arrows

Bottom View: The main "Locales" page is shown. The title bar says "Locale (Default)". The page features a search bar and a table listing locales. The table has columns: Status, Language, Currency, and Position. The data in the table is:

	Status	Language	Currency	Position	Add	Export
<input type="checkbox"/>	All				<input type="button" value="Search"/>	<input type="button" value="X"/>
<input type="checkbox"/>	✓	en	EUR	0	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
<input type="checkbox"/>	✓	en	USD	1	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
<input type="checkbox"/>	✓	de	EUR	2	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
<input type="checkbox"/>	✓	en	CNY	4	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

At the bottom, there are navigation buttons: back, forward, page 1 of 1, and a page size selector set to 25.

- Menambah site pada menu locales

The screenshot displays two views of the aimcos dashboard under the 'Locales' section.

Top View: Site: New

This view shows the configuration for a new site named 'Basic'. The 'Status' is set to 'Enabled'. The 'Code' field contains 'default'. The 'Label' field contains 'user 1'. A table shows an option with 'resource/email/from-email' set to 'user1@gmail.com'.

Option	Value
resource/email/from-email	user1@gmail.com

Bottom View: Sites

This view lists existing sites. There are two entries:

- Default: Status: All, Code: default, Label: Default, Config: resource: "email":from-email":opiksetiawar theme: "default": -ai-product-image-ratio":
- User1: Status: All, Code: user1, Label: user1, Config: resource: "email":from-email":user1@gmail.com

Pagination at the bottom indicates 'Page 1 of 1' and '25' items.

- Menampilkan languages pada menu locales

The screenshot shows the aimos application interface with a dark blue header and sidebar. The sidebar on the left includes links for Default, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales (which is highlighted), Types, Log, and English. The main content area is titled "Languages" and contains a table with columns: Status, Code, and Label. The table shows eight entries: vo (Volapük), wa (Walloon), wo (Wolof), xh (Xhosa), yi (Yiddish), yo (Yoruba), za (Zhuang), and zu (Zulu). Each entry has a checkbox in the Status column and a delete icon in the Label column. Navigation buttons at the top and bottom of the table indicate it's on page 8 of 8.

- Menampilkan Currencies pada menu locales

The screenshot shows the aimos application interface with a dark blue header and sidebar. The sidebar on the left includes links for Default, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales (which is highlighted), Types, Log, and English. The main content area is titled "Currencies" and contains a table with columns: Status, Code, and Label. The table shows one entry: idr (Indonesian rupiah). This entry has a checkbox in the Status column and a delete icon in the Label column. Navigation buttons at the bottom indicate it's on page 1 of 1.