

**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.

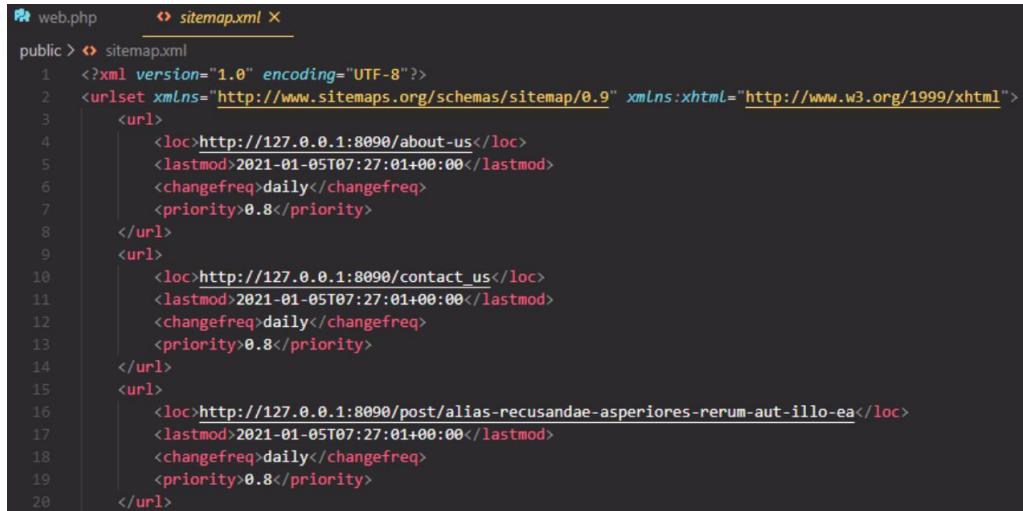
```

<?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



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

```

<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9" xmlns:xhtml="http://www.w3.org/1999/xhtml">
    <url>
        <loc>http://127.0.0.1:8090/about-us</loc>
        <lastmod>2021-01-05T07:27:01+00:00</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.8</priority>
    </url>
    <url>
        <loc>http://127.0.0.1:8090/contact_us</loc>
        <lastmod>2021-01-05T07:27:01+00:00</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.8</priority>
    </url>
    <url>
        <loc>http://127.0.0.1:8090/post/alias-recusandae-asperiores-rerum-aut-illo-ea</loc>
        <lastmod>2021-01-05T07:27:01+00:00</lastmod>
        <changefreq>daily</changefreq>
        <priority>0.8</priority>
    </url>

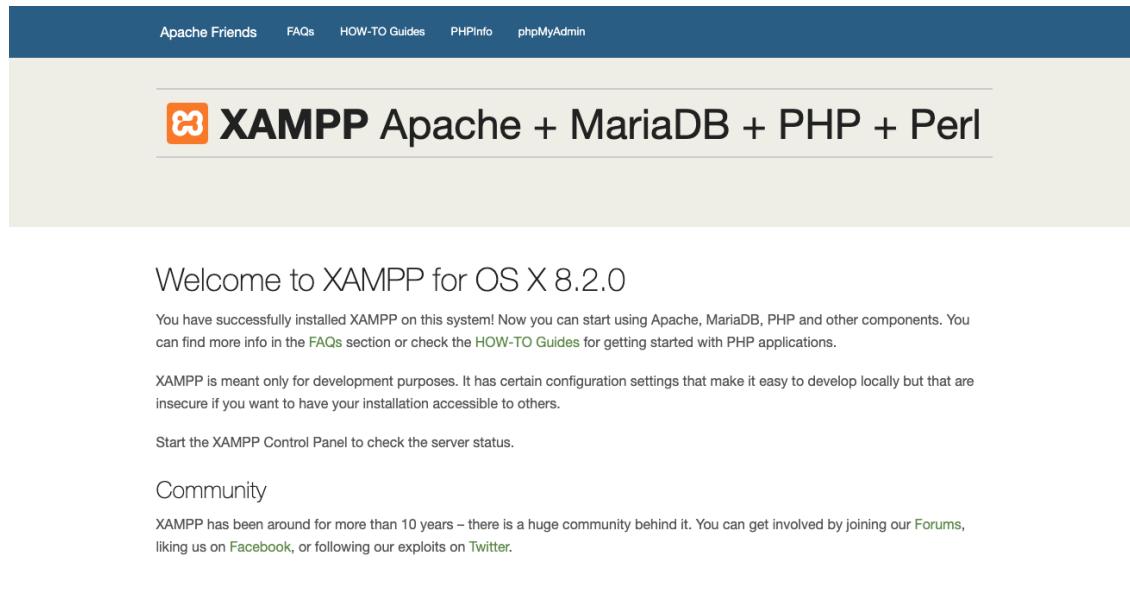
```

## Bagian 2

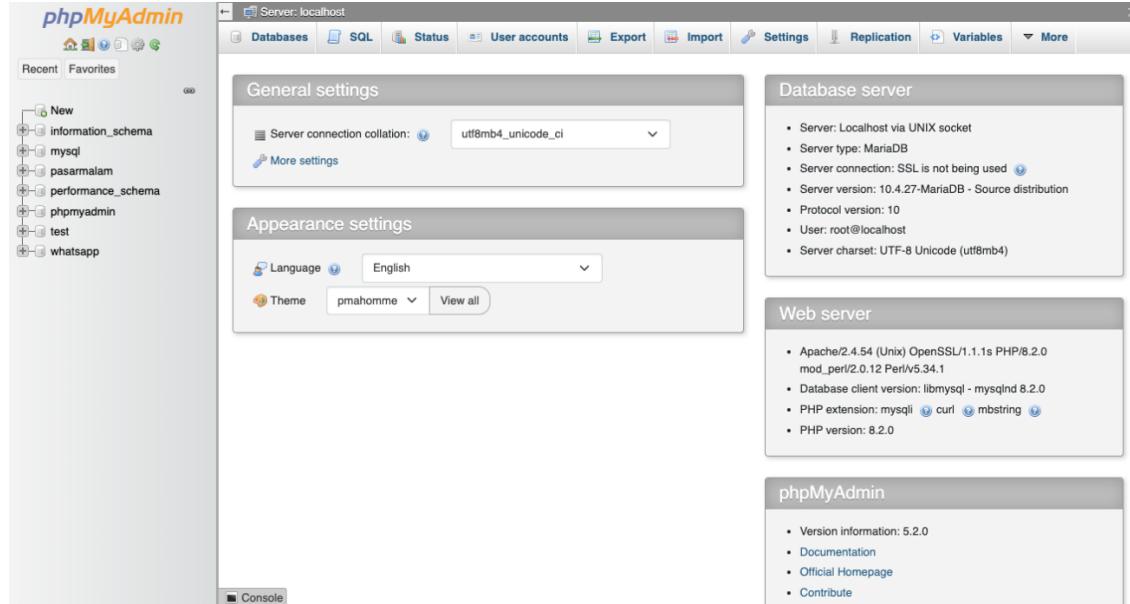
Sprint 0 : Perencanaan  
0 Day 1, Sprint 0 : 1jam, Persiapan

- 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 Aiemos berhasil diinstall

The screenshot shows a terminal window titled "README.md" running on a Windows 10 system (MINNOW64). The user is installing the "aiemos/aiemos" package via Composer. The command entered is:

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

If you are still using PHP 7.3 or 7.4, install:

```
curl https://getcomposer.org/download/2.2.1/composer.phar -o composer.phar
php composer.phar --version
php composer create-project aiemos/aiemos myshop
```

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

In a local environment, you can use the interactive command-line interface to execute the following command to start the application:

```
cd myshop
php artisan serve
```

Congratulations! You successfully set up your Aiemos shop!

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 titled "README.md" running on a Windows 10 system (MINNOW64). The user is installing the "aiemos/aiemos" package via Composer. The command entered is:

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

If you are still using PHP 7.3 or 7.4, install:

```
curl https://getcomposer.org/download/2.2.1/composer.phar -o composer.phar
php composer.phar --version
php composer create-project aiemos/aiemos myshop
```

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

In a local environment, you can use the interactive command-line interface to execute the following command to start the application:

```
cd myshop
php artisan serve
```

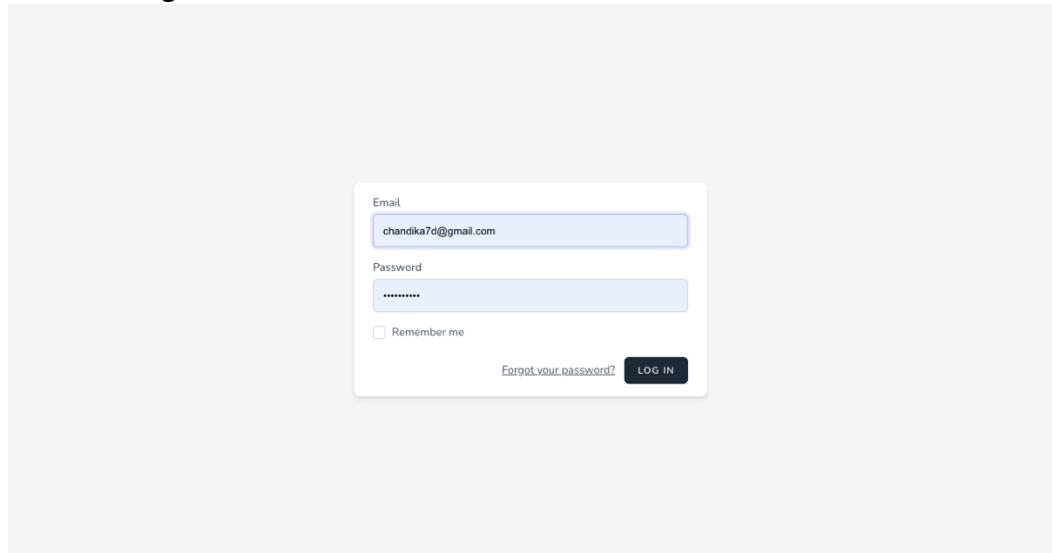
Congratulations! You successfully set up your Aiemos shop!

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.:

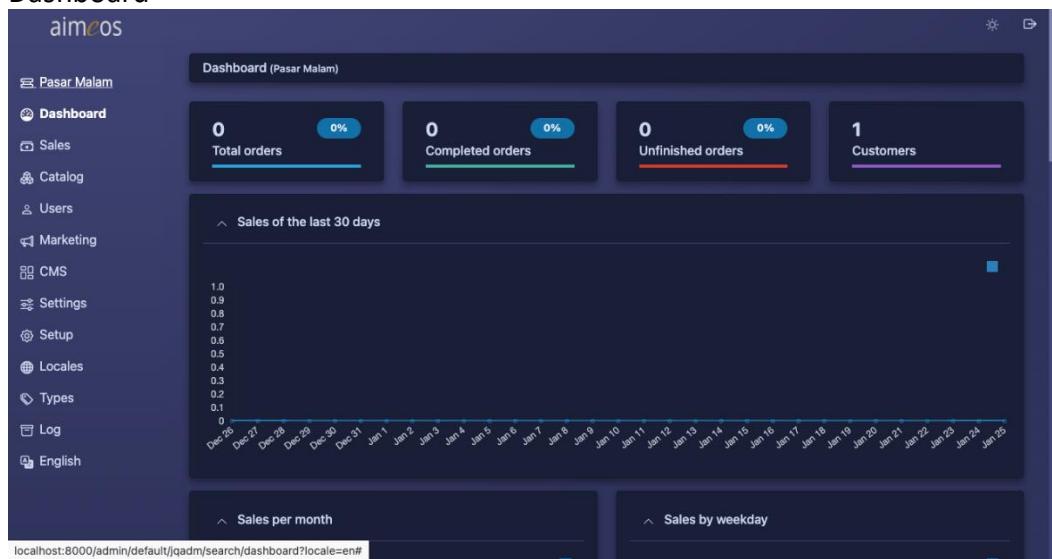
```
APP_URL=http://myhostingdomain.com
```

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



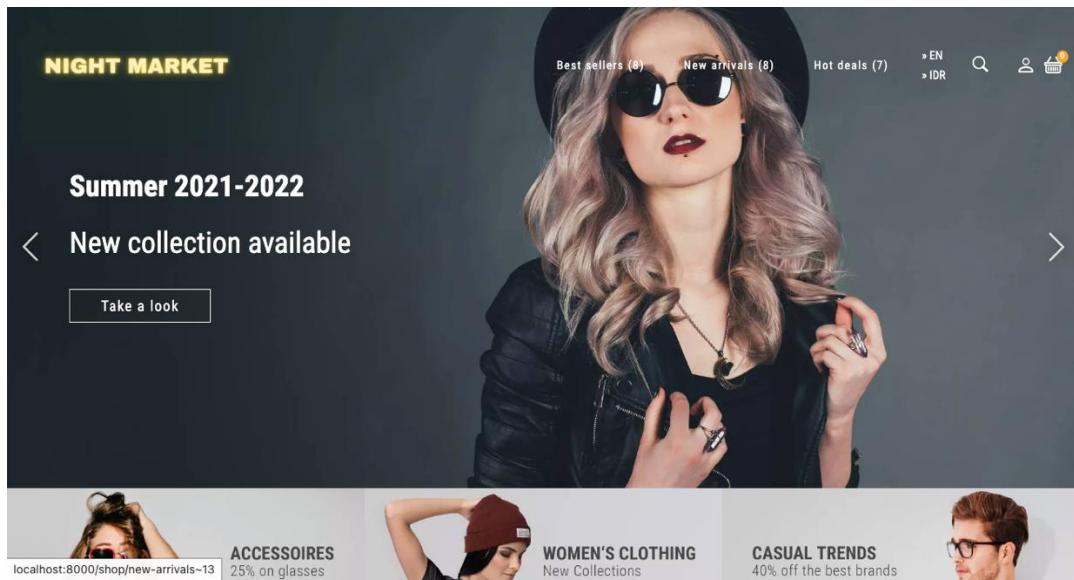
The screenshot shows the Aimeos administration interface. On the left is a sidebar with navigation links: Wisata Malam, Dashboard, Sales, Catalog (selected), Users, Marketing, CMS, Configuration, Locales, Types, Log, and English. The main area is titled "Product (Wisata Malam)" and contains a table with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

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

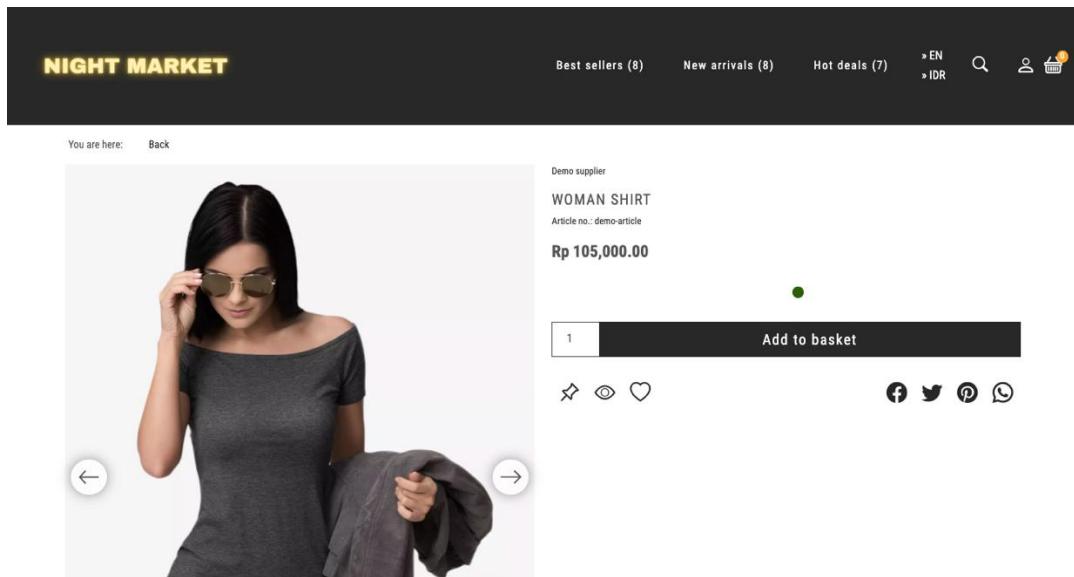
2.4. Setelah tahap 2.3. selesai, Tim Leader melakukan evaluasi fitur. Semua fitur dites dan dipastikan berjalan dengan baik. Setelah tes berhasil, maka Prototype ini disetujui dengan nama Prototype Market Place Pasar Malam versi 1.0. disimpan di GitHub., termasuk screenshot Prototype 1.0. dengan semua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

\* 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**

**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.Pasiruyu 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.Pasiruyu Bandung 40254 English chandika7d@gmail.com	like billing address
Delivery	Payment
DHL	Invoice

- Order Masuk

## Dashboard Admin

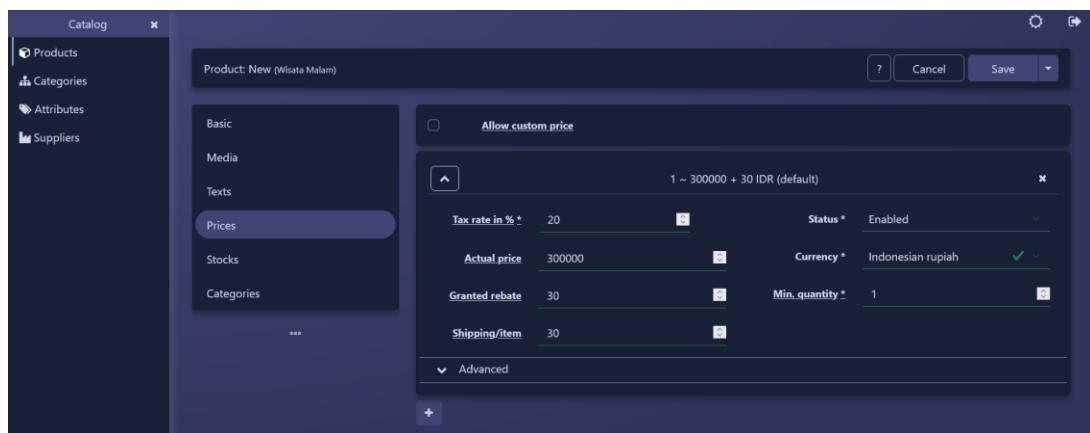
## Catalog | Product

- Basic

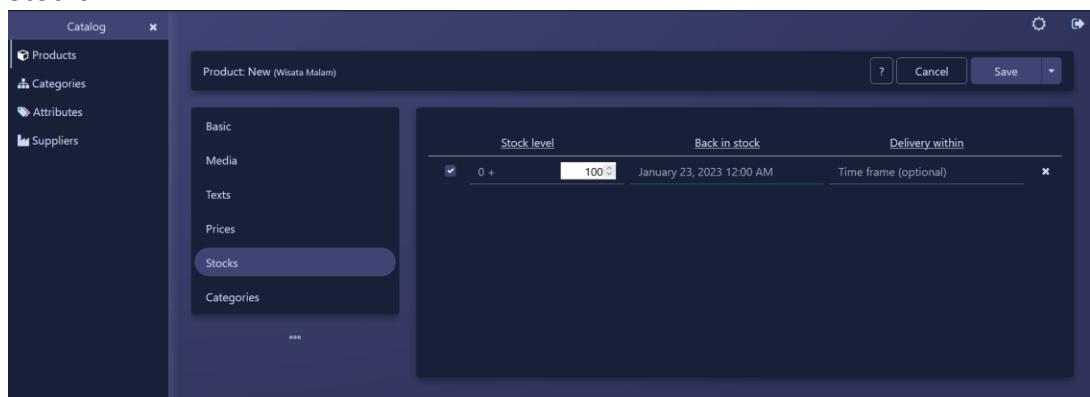
## ○ Media



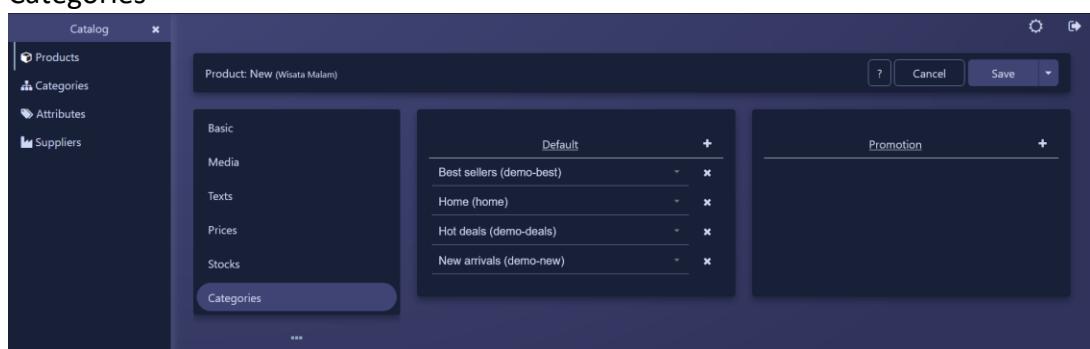
## ○ Prices



## ○ Stocks



## ○ Categories



- Hasil



## Catalog | Category

- Basic

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

- Media

A screenshot of the 'Media' tab for a category configuration screen. The left sidebar shows a tree structure with "Wisata Malam" expanded, and "Category" selected. The main panel shows a form with a media preview of a logo for "P3MI PERKUMPULAN PENGUSAHA PARI MALAM". The logo is a circular emblem with the text "INDONESIA" at the top, "P3MI" in the center, and "PERKUMPULAN PENGUSAHA PARI MALAM" around the bottom. The media details are: "Status" set to "Enabled", "Type" set to "Standard", "Title" set to "logo-pasar-malam-removebg-preview.png (default)", and "Language" set to "All". There are tabs for "Basic", "Media", "Texts", and "Products". A "Save" button is visible in the top right.

- Text

- Products

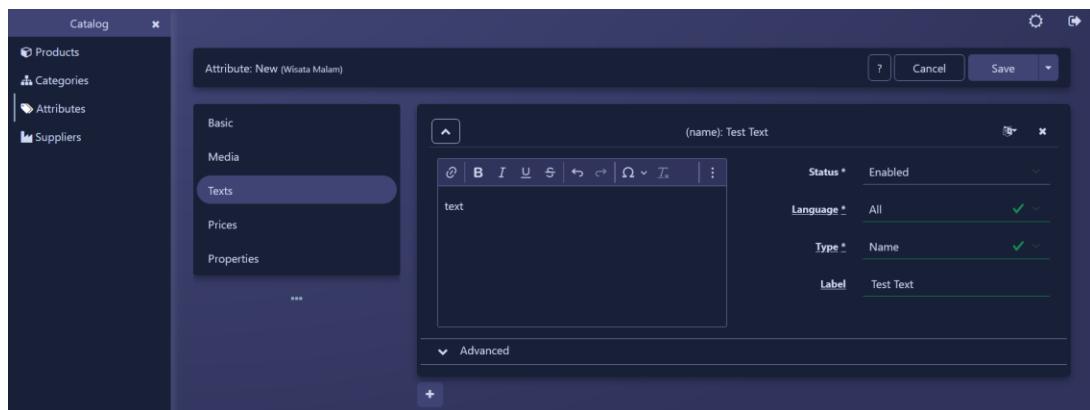
## Catalog | Atributes

- Basic

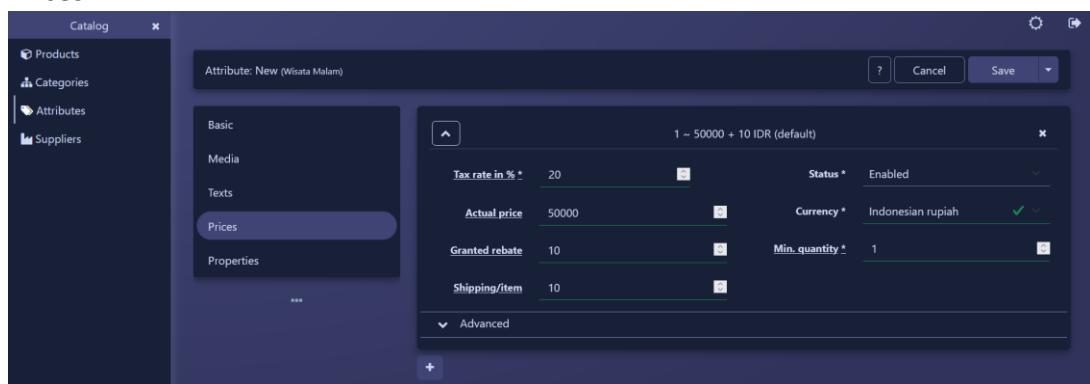
- Media



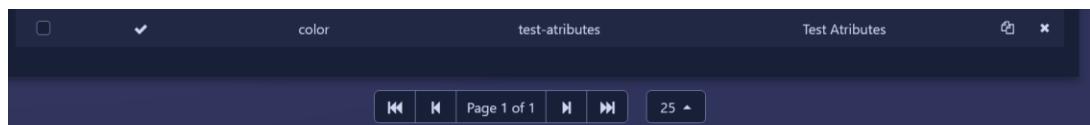
- Text



- Prices



- Hasil



## Catalog | Suplier

### ○ 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 for 'Status \*' (Enabled), 'Code \*' (test-suppliers), and 'Label \*' (Test Suppliers). Buttons for '?', 'Cancel', 'Save', and a dropdown are at the top right.

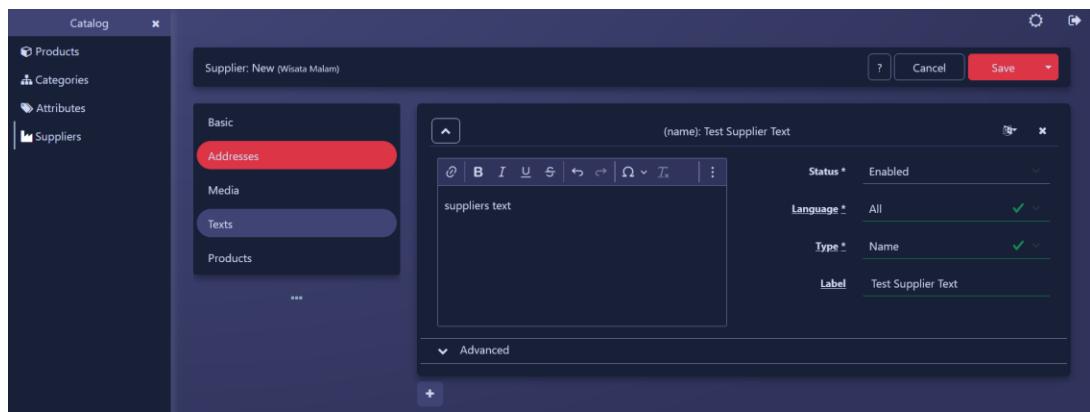
### ○ Addresses

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 includes sections for '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 Language (English), Salutation (Company), Title (Title), Last name (LastName), First name (FirstName), Street (Street), House number (08912312311), Floor / Apartment (Apartemen), Zip code (40223), City (Bandung), Country \* (Indonesia), and State (Country state code (optional)).

### ○ 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 Indonesian National Emblem (Garuda Pancasila). Below the preview are fields for 'Status \*' (Enabled), 'Title \*' (logo-pasar-malam-removebg-pre), and 'Language' (All). Buttons for '?', 'Cancel', 'Save', and a dropdown are at the top right.

- Texts



- Hasil



## Configuration

- Basic



## Marketing

- List Voucher

The screenshot shows the aimos marketing 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 a delete button are at the top of the table. The table shows one row with "All" in the Status column, "PercentRebate" in the Provider column, and "Makin Malam Makin Murah" in the Label column. At the bottom are navigation buttons for pages and a page number indicator "25".

- Tambah Voucher Diskon 20%

The screenshot shows the aimos marketing 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 a "Basic" tab selected, which contains fields for Status (Enabled), Label (Pejuang Gadang), Provider (PercentRebate), Start date (2023-01-23 23:00), and End date (2023-01-23 00:00). To the right is a table with columns: Option, Value, and a delete button. The table contains four rows: "percentrebate.pre" with value "2", "percentrebate.prc" with value "demo-article", "percentrebate.rek" with value "0", and "percentrebate.ro" with value "20". At the top right are "Cancel" and "Save" buttons. At the bottom is a "Bug or suggestion?" link.

- Berhasil menambahkan voucher

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

- Edit Voucher

Status *	Enabled
Label *	Pejuang Gadang 20%
Provider *	PercentRebate
Start date	2023-01-23 23:00
End date	2023-01-23 00:00

- Berhasil Edit Voucher

The screenshot shows the aimcos platform interface. On the left, there is a sidebar with various menu items: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The Marketing section is currently selected. In the center, there is a table titled "By day (Pasar Malam)". The table has columns for Status, Provider, and Label. There are two rows: one for "PercentRebate" with the label "Makin Malam Makin Murah" and another for "PercentRebate" with the label "Pejuang Gadang 20%". At the bottom of the table, there are navigation buttons for page control and a page size selector set to 25.

- List Price Rules

The screenshot shows the aimcos platform interface. The sidebar is identical to the previous screenshot, with the Marketing section selected. In the center, there is a table titled "Rules (Pasar Malam)". The table has columns for Status, Position, Label, and Provider. A dropdown menu for Status is open, showing "All" as the selected option. Below the table, it says "No items found". At the bottom, there are navigation buttons for page control and a page size selector set to 25.

- Menambahkan Price Rule

The screenshot shows the 'Rule: New (Pasar Malam)' form. The 'Basic' tab is selected. The configuration includes:

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

Buttons at the top right include '?', 'Cancel', 'Save', and a dropdown.

- Berhasil menambahkan price rule

The screenshot shows the 'Rules (Pasar Malam)' list. The table displays the following data:

Status	Position	Label	Provider
All	0	Diskon Lebaran	Percent

At the bottom, there are navigation buttons for pages and a page size selector set to 25.

- Edit Price Rules

The screenshot shows the aimos application interface with a dark blue theme. On the left, there is a sidebar with various navigation items: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main content area is titled "Rule: 1 - Diskon Lebaran (Pasar Malam)". It contains a "Basic" tab and several configuration fields:

- Status \***: Enabled
- Label \***: Diskon Lebaran
- Provider \***: Percent
- Position \***: 0
- Option** table:
 

Option	Value	Add
last-rule	yes	<input checked="" type="checkbox"/>
percent	5	<input type="button" value="Delete"/>
- Start date**: 2023-01-24 00:00
- End date**: 2023-01-31 00:00

At the bottom right of the main content area, there are "Save" and "Cancel" buttons.

- Berhasil edit price rule

The screenshot shows the aimos application interface with a dark blue theme. On the left, there is a sidebar with various navigation items: Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main content area is titled "Rules (Pasar Malam)" and displays a table of rules:

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

At the bottom right of the main content area, there are navigation buttons for pages and a page number indicator "25".

- List Review

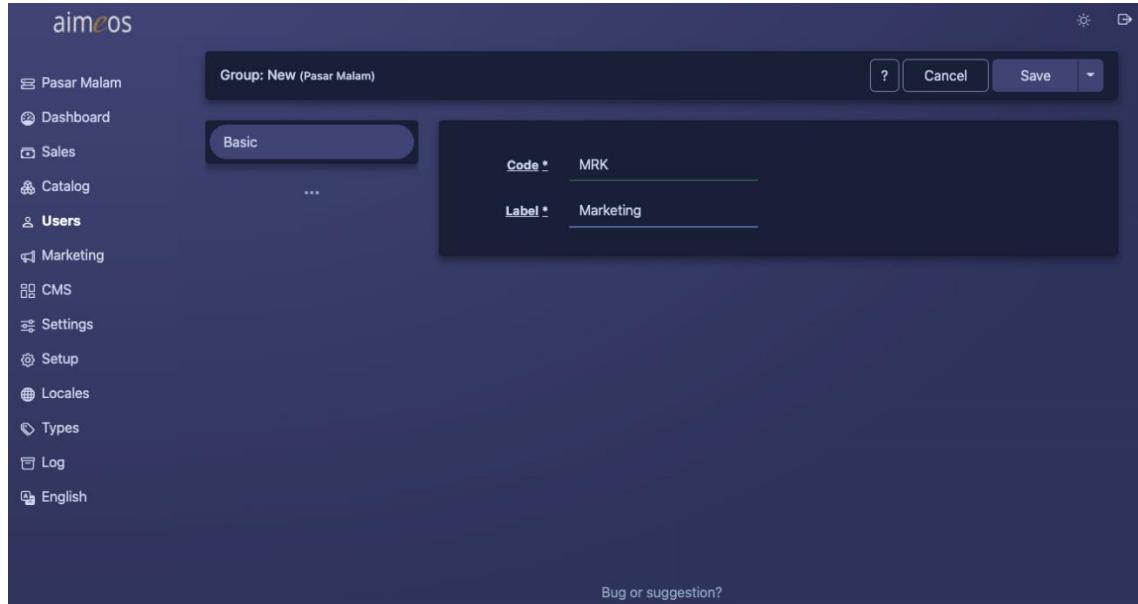
The screenshot shows the 'Review' list page within the aimos application. The left sidebar contains navigation links for Pasar Malam, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales, Types, Log, and English. The main content area is titled 'Review (Pasar Malam)' and displays a table with columns: Status, Rating, Comment, Response, and Created. A dropdown menu for 'Status' is open, showing 'All' as the selected option. The table body contains the message 'No items found'. At the bottom of the page is a navigation bar with icons for back, forward, search, and a page size selector set to 25.

## User | Category

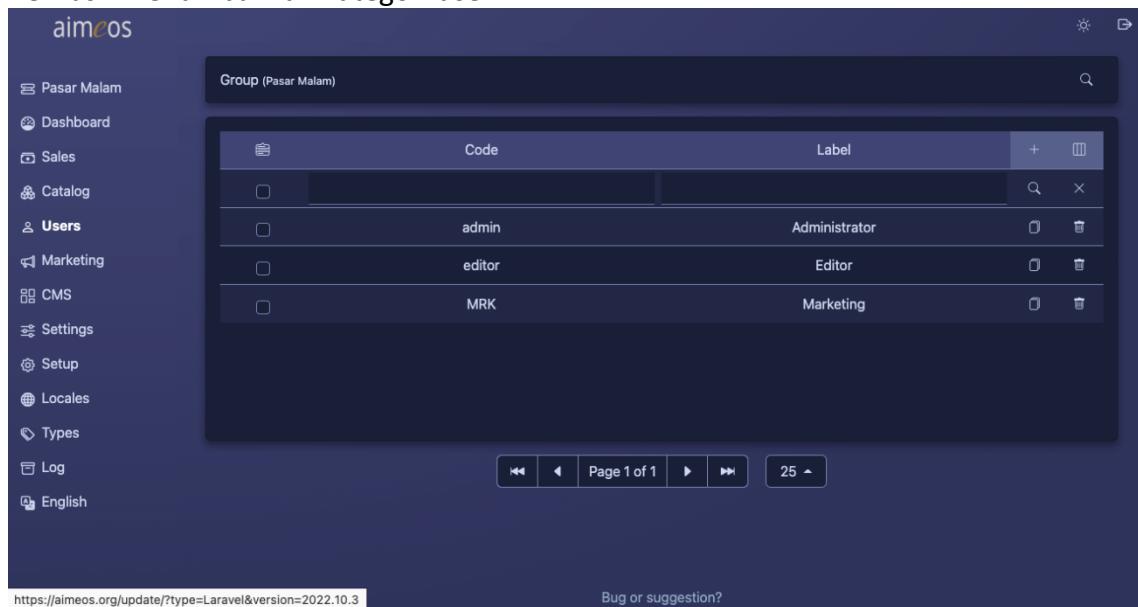
- List Kategori User

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 contains two entries: 'admin' with 'Administrator' as the label, and 'editor' with 'Editor' as the label. At the bottom of the page is a navigation bar with icons for back, forward, search, and a page size selector set to 25.

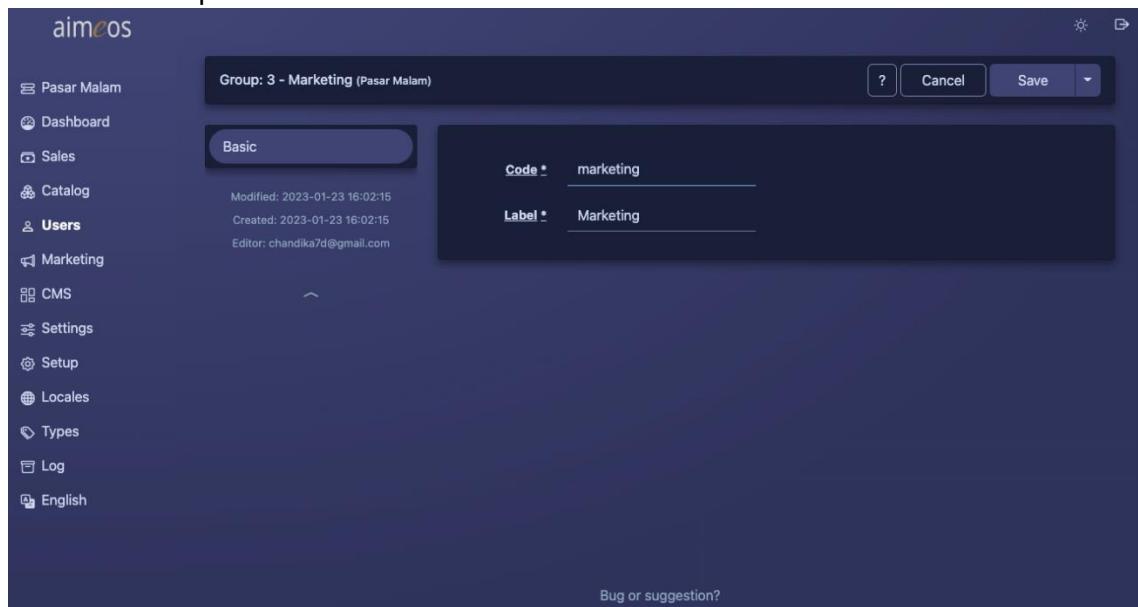
- Menambahkan Kategori User



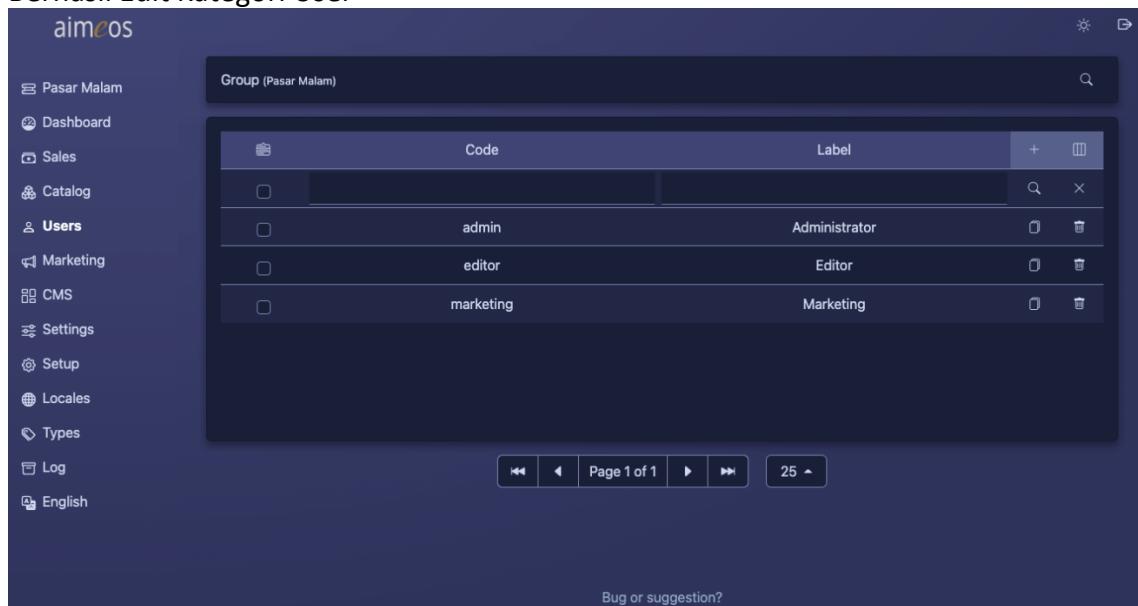
- Berhasil Menambahkan kategori user



- Edit User Group



- Berhasil Edit Kategori User



- List User

The screenshot shows the Aimeos 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 has a title bar "Customer (Pasar Malam)" with a search icon. Below it is a table with columns: Code, Last name, Postal, City, and actions (+, edit, delete). Two rows are visible: one for "demo@example.com" and another for "chandika7d@gmail.com". At the bottom are navigation buttons (back, forward, search, etc.) and a page count "Page 1 of 1". A footer bar at the bottom right says "Bug or suggestion?".

- Menambahkan User

The screenshot shows the "Customer: New (Pasar Malam)" creation form. The sidebar on the left is identical to the previous screenshot. The main form has tabs: "Basic" (selected), Addresses, Orders, Products, and Properties. Under "Basic", fields include Status \* (Enabled), Account \* (jesicarekcah@gmail.com), Password \* (redacted), Verified (2023-01-23), and a "User groups" section where "Marketing (marketing)" is selected. Below this are sections for "Personal data" (Language \* Indonesian, Salutation none, Title Honorary title (optional), Last name \* Last name (required)) and "Billing address" (Street, House number, Floor / Apartment, Zip code). Buttons for "?" (Help), "Cancel", and "Save" are at the top right.

- Berhasil Menambahkan User

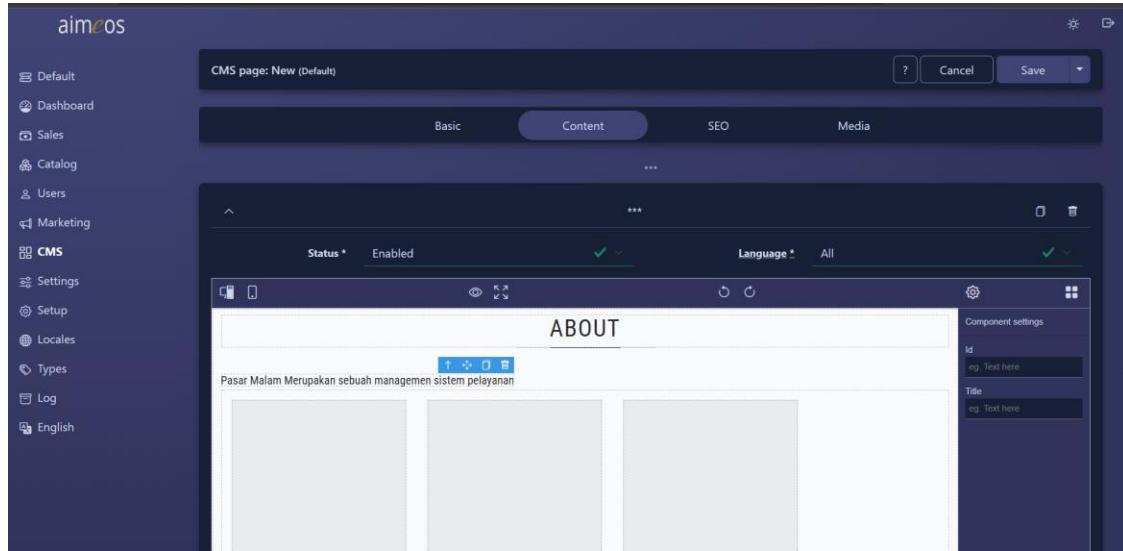
	Code	Last name	Postal	City	
<input type="checkbox"/>	demo@example.com	User	10000	Test city	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
<input type="checkbox"/>	chandika7d@gmail.com				<input type="button" value="Edit"/> <input type="button" value="Delete"/>
<input type="checkbox"/>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

Bug or suggestion?

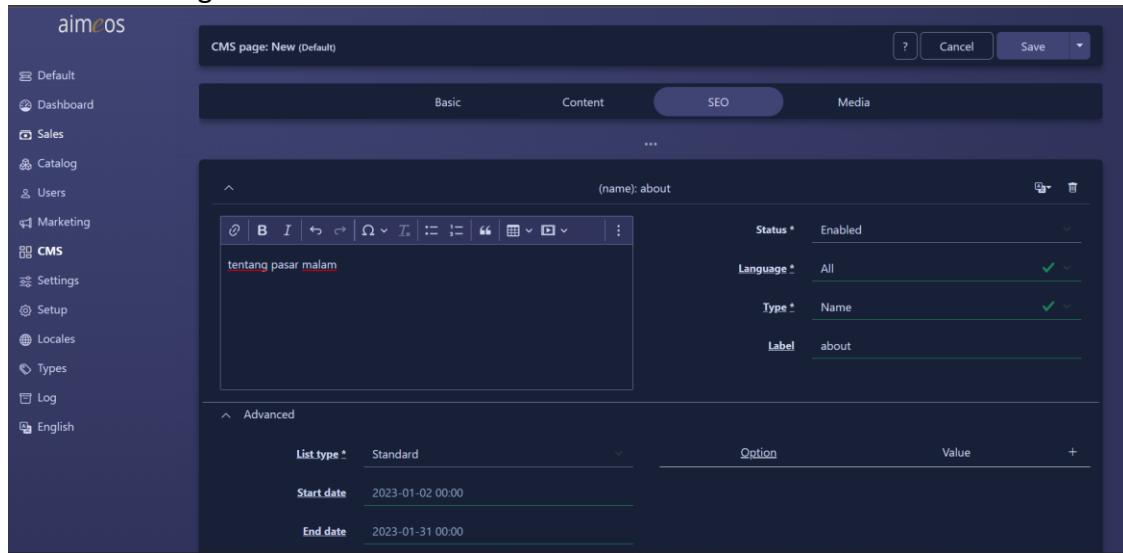
## CMS

- menambah bagian basic di CMS

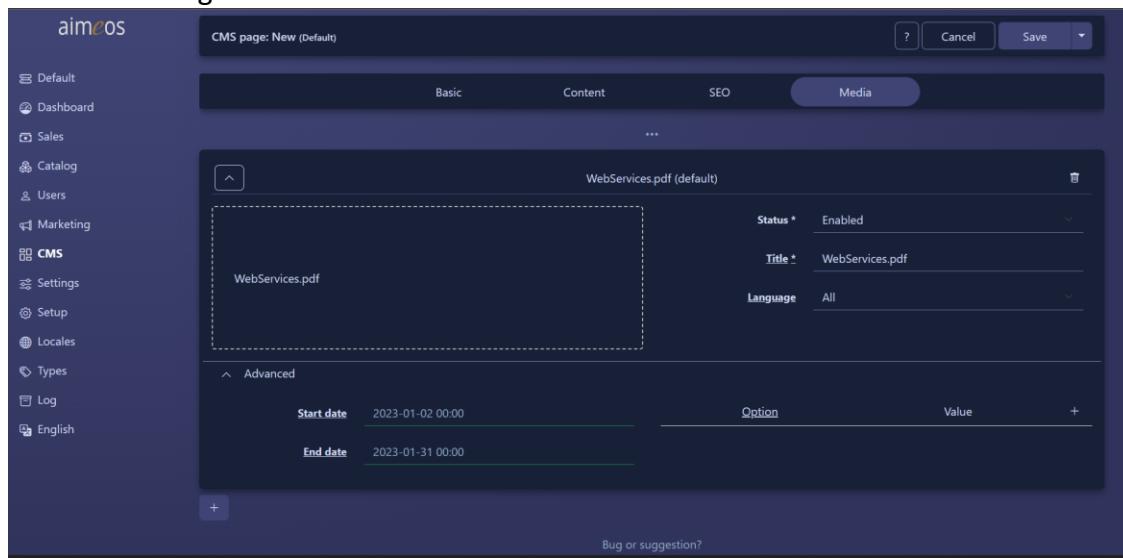
- Menambah bagian Content di CMS



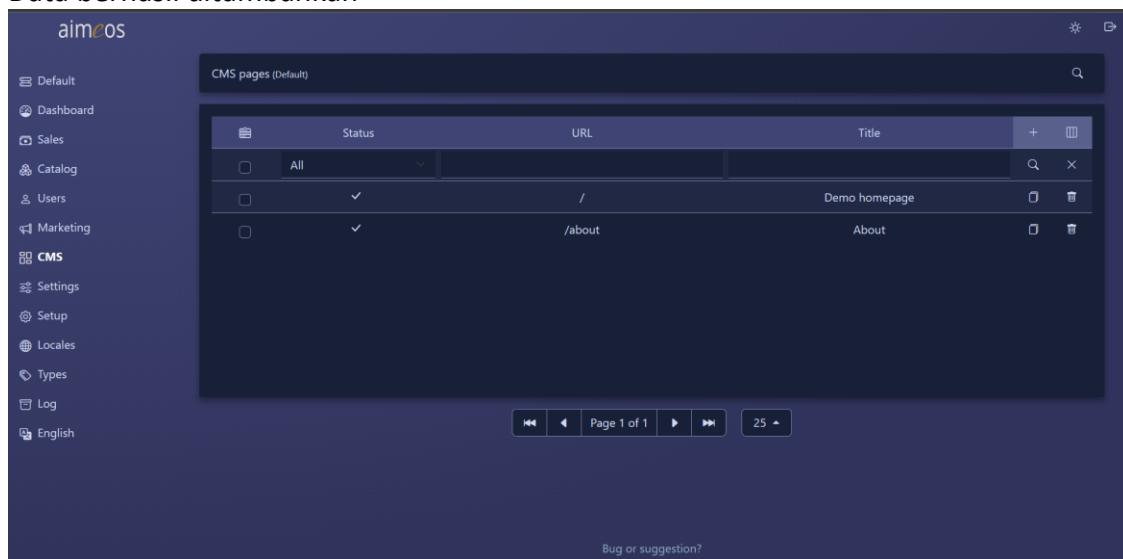
- Menambah bagian SEO di CMS



- Menambah bagian Media di CMS



- Data berhasil ditambahkan



## LOCALES

- Menambah bagian locales pada menu locales

The screenshot displays the aimpos application interface with a dark blue theme. On the left, a vertical sidebar lists various modules: Default, Dashboard, Sales, Catalog, Users, Marketing, CMS, Settings, Setup, Locales (which is currently selected), Types, Log, and English. The main content area shows two windows related to the Locales module.

The top window is titled "Locale: New (Default)" and is a configuration form for a new locale. It includes fields for Status (Enabled), Language (en), Currency (CNY), and Position (4). The bottom window is titled "Locale (Default)" and is a list of existing locales. The table has columns for Status, Language, Currency, and Position. The data is as follows:

Status	Language	Currency	Position
All	en	EUR	0
✓	en	USD	1
✓	de	EUR	2
✓	en	CNY	4

- Menambah site pada menu locales

The screenshot displays two views of the aimeos admin interface. The top view shows the 'Site: New' dialog for creating a new site named 'Basic'. The bottom view shows the 'Sites' list page, which displays two existing sites: 'default' and 'user1'.

**Site: New (Top View)**

Status *	Enabled	Code *	Label *	Option	Value
<input checked="" type="checkbox"/>	Enabled	default	user 1	resource/email/from-email	user1@gmail.com

**Sites (Bottom View)**

Icon	Status	Code	Label	Config
<input type="checkbox"/>	All			
<input type="checkbox"/>	✓	default	Default	resource: "email": "from-email": "opiksetiawar" theme: "default": "--ai-product-image-ratio":
<input type="checkbox"/>	✓	user1	user1	resource: "email": "from-email": "user1@gmail.com"

- Menampilkan languages pada menu locales

The screenshot shows the aimeos admin 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 currently selected), Types, Log, and English. The main content area is titled "Languages" and contains a table with the following data:

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

At the bottom of the table are navigation buttons: back, forward, page 8 of 8, next, and a dropdown for page size (25). There are also global search and delete buttons at the top right of the table.

- Menampilkan Currencies pada menu locales

The screenshot shows the aimeos admin 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 currently selected), Types, Log, and English. The main content area is titled "Currencies" and contains a table with the following data:

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

At the bottom of the table are navigation buttons: back, forward, page 1 of 1, next, and a dropdown for page size (25). There are also global search and delete buttons at the top right of the table. A footer message "Bug or suggestion?" is visible at the bottom center.