



**APLIKASI PORTAL BEASISWA BERBASIS
WEB MENGGUNAKAN ALGORITMA
MATCHING JARO-WINKLER**

PENCIPTA :

AUDHY VIRABRI KRESSA (15410100030)
PANTJAWATI SUDARMANINGTYAS (0712066801)
VIVINE NURCAHYAWATI (0723018101)

INSTITUT BISNIS DAN INFORMATIKA STIKOM SURABAYA

2019

1. Requirement

Table 1 Requirement Instalation

No	Requirement
1	Composer
2	PHP >= 7.1.3
3	OpenSSL PHP Extension
4	PDO PHP Extension
5	Mbstring PHP Extension
6	Tokenizer PHP Extension
7	PostgreSQL

2. Install Composer (dapat dilihat pada [HTTPS://GETCOMPOSER.ORG/DOWNLOAD/](https://getcomposer.org/download/))

Table 2 Step Install Composer

No	Step
1	Buka cmd/terminal
2	<code>php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"</code>
3	<code>php -r "if (hash_file('SHA384', 'composer-setup.php') === '544e09ee996cdf60ece3804abc52599c22b1f40f4323403c44d44fd4d586475ca9813a858088ffbc1f233e9b180f061') { echo 'Installer verified'; } else { echo 'Installer corrupt'; unlink('composer-setup.php'); } echo PHP_EOL;"</code>
4	<code>php composer-setup.php</code>
5	<code>php -r "unlink('composer-setup.php');"</code>

3. Deploy Portal Beasiswa

Table 3 Step Deploy Portal Beasiswa

No	Step
1	Ubah timeout php menjadi 90000 ms
2	Buka file .env pada folder portal beasiswa. (Jika tidak ada silahkan rename file .env.example)
3	Atur nama database,username dan password pada file .env
4	Buka cmd/Terminal
5	Jalankan "crontab -e"
6	Isi dengan "**** * cd path_portalbeasiswa && php artisan schedule:run >> /dev/null 2>&1"
7	Save
8	Arahkan cmd/terminal pada folder aplikasi
9	Composer install
10	Php artisan key:generate
11	Php artisan migrate:refresh --seed

4. Pengaturan Jadwal Scaping dan Broadcast

Tabel 4 Step Pengaturan Jadwal

No	Step
1	Buka file kernel.php pada foldel app/console
2	Ubah jam pada function schedule
3	Save

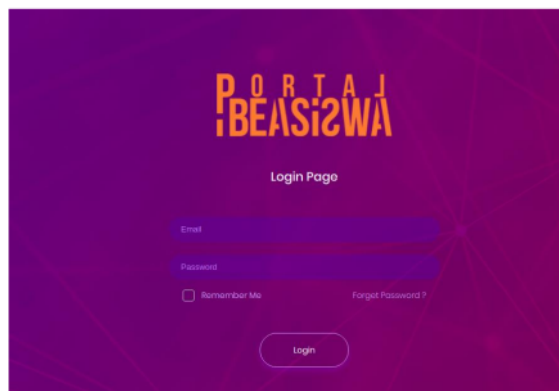
```
protected function schedule(Schedule $schedule)
{
    $schedule->call('App\Http\Controllers\ScaperController@google')
        ->dailyAt('00:10');
    $schedule->call('App\Http\Controllers\ScaperController@website')
        ->dailyAt('00:12');
    $schedule->call('App\Http\Controllers\SubscriberController@subscriberMail')
        ->dailyAt('00:14');
}
```

Gambar 1 Function Schedule

5. Menggunakan Portal Beasiswa Sebagai Administrator

5.1. Login

- 1) Masuk ke url login dengan menambahkan “/login” pada alamat portal beasiswa
- 2) Masukkan email dan password
- 3) Klik Login

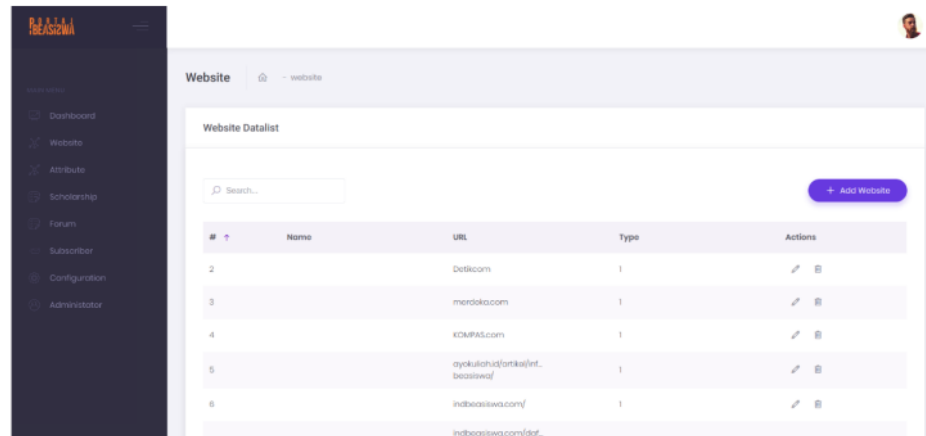


Gambar 2 Login Form

5.2. Mengelola Website

A. Menambah Website

- 1) Login
- 2) Pilih Website pada sidebar



Gambar 3 Tabel Website

- 3) Klik Add Website
- 4) Isi data Website pada form

Website

Name *

Url *

Type *

Portal

Instansi

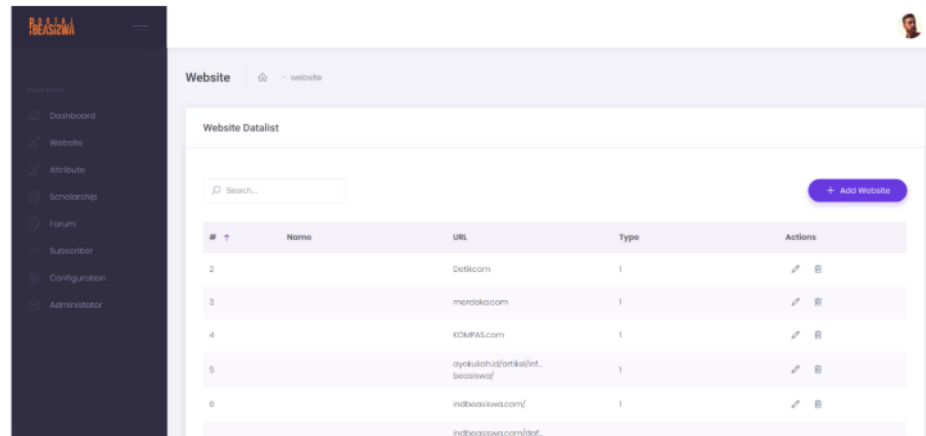
Submit Reset Close

Gambar 4 Website Form

- 5) Klik Submit

B. Memperbarui Website

- 1) Login
- 2) Pilih Website pada sidebar



Gambar 5 Tabel Website

- 3) Klik Ikon Edit pada data table Website
- 4) Isi data Website pada form edit

Website

Name *

lpdp

Name

Uri *

https://www.lpdp.kemenkeu.go.id/

Uri

Type *

Portal

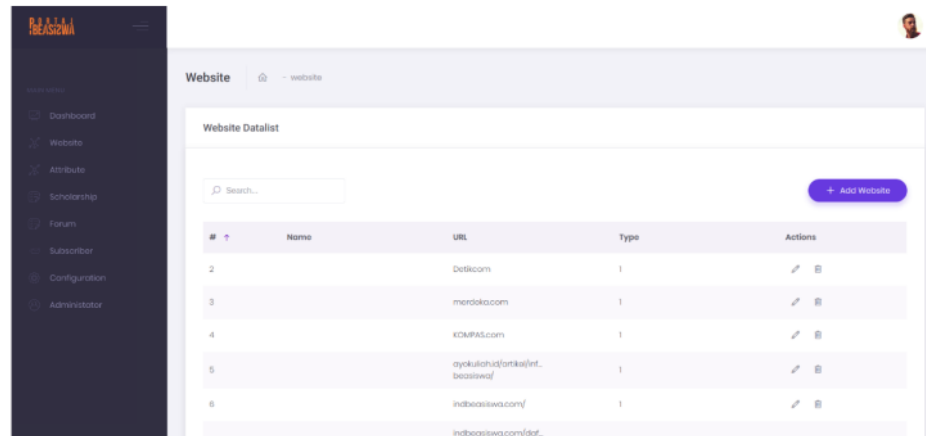
Instansi

Gambar 6 Form Edit Website

- 5) Klik Update

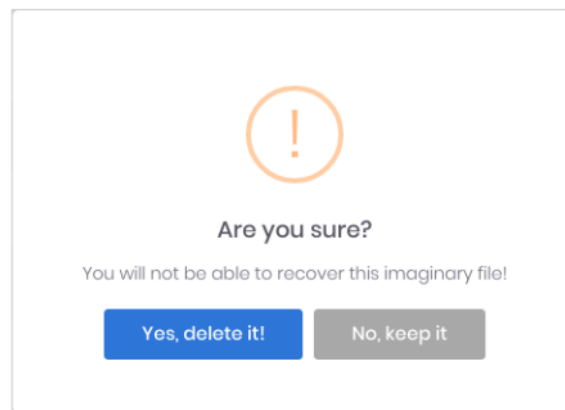
C. Menghapus Website

- 1) Login
- 2) Pilih Website pada sidebar



Gambar 7 Tabel Website

- 3) Klik Ikon Delete pada data table Website
- 4) Klik Yes, delete it



Gambar 8 Delete Confirmation

5.3. Mengelola Attribute Website

A. Menambah Attribute Website

- 1) Login
- 2) Pilih Attribute pada sidebar

The screenshot shows a web application interface for managing attributes. On the left is a dark sidebar with a menu containing: Dashboard, Website, Attribute, Scholarship, Forum, Subscriber, Configuration, and Administrator. The main content area is titled 'Attribute' and contains an 'Attribute Datalist' section. This section includes a search bar and an 'Add Attribute' button. Below is a table with the following data:

#	Name	URL	Actions
1	topkari	topkari.com/beasiswa	[Edit] [Delete]
2		cyokuliah.id/infokan(inf-beasiswa)	[Edit] [Delete]
3		indonesia.com/dit-beasiswa-2018-2019.html	[Edit] [Delete]
4		beasiswa.id/	[Edit] [Delete]

Gambar 9 Attribute Tabel

- 3) Klik Add Attribute
- 4) Isi data Attribute pada form

The screenshot shows the 'Attribute' form with the following fields and options:

- Child Of:** A dropdown menu currently set to 'None'.
- Name:** A text input field with the placeholder text 'Name'.
- Url:** A text input field containing the value 'beasiswa.id/'.
- Attribute 1:** A text input field.
- Attribute 2 (optional):** A text input field with a 'Try This' button below it.
- Attribute Title (optional):** A text input field with a 'Try This' button below it.
- Attribute Description (optional):** A text input field with a 'Try This' button below it.
- Attribute Picture (optional):** A text input field containing the value 'sic' with a 'Try This' button below it.
- Attribute Period (optional):** A text input field with a 'Try This' button below it.
- Attribute Registration (optional):** A text input field with a 'Try This' button below it.

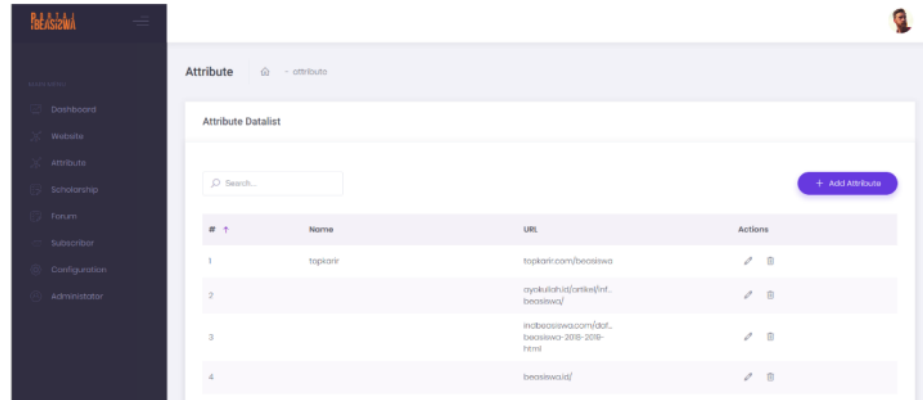
At the bottom of the form, there are four buttons: 'Update' (green), 'Try' (blue), 'Reset' (yellow), and 'Close' (grey).

Gambar 10 Attribute Form

- 5) Klik Submit

B. Memperbarui Attribute Website

- 1) Login
- 2) Pilih Attribute pada sidebar



Gambar 11 Attribute Tabel

- 3) Klik Ikon Edit pada data table Attribute
- 4) Isi data Attribute pada form edit

Attribute

Child Of (optional) Website *

None lppp

Name * Url *

BEASISWA SANTRI https://www.lppp.kemendikau.go.id/beasiswa-santri/

Attribute (optional)

Attribute Title (optional) Attribute Description (optional)

.h2 div_xepb_text_column 8

Try This Try This

Attribute Picture (optional) Attribute Period (optional)

Try This Try This

Attribute Registration (optional) Attribute Additional 1 (optional)

Try This Try This

Attribute Additional 2 (optional) Attribute Additional 3 (optional)

Try This Try This

Attribute Additional 4 (optional) Attribute Additional 5 (optional)

Try This Try This

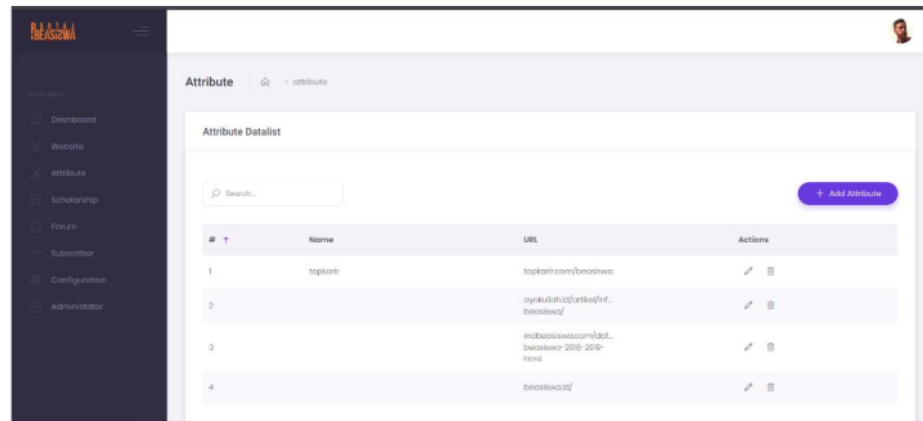
Submit Try Reset Close

Gambar 12 Form Edit Website

5) Klik Update

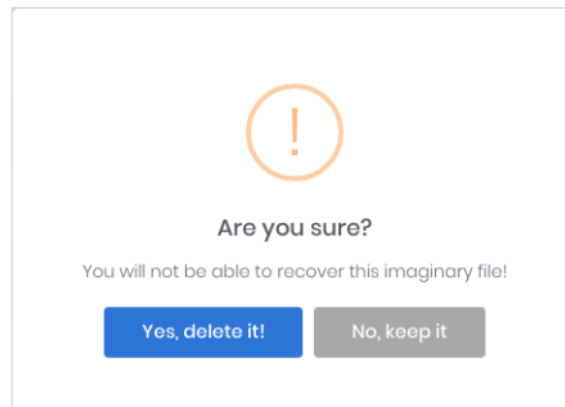
C. Menghapus Attribute Website

- 1) Login
- 2) Pilih Attribute pada sidebar



Gambar 13 Tabel Attribute

- 3) Klik Ikon Delete pada data table Website
- 4) Klik Yes, delete it

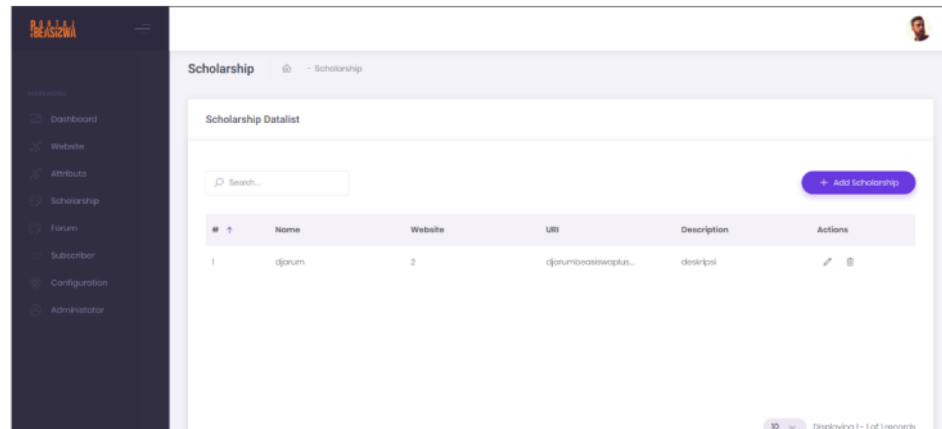


Gambar 14 Delete Confirmation

5.4. Mengelola Beasiswa

A. Menambah Beasiswa

- 1) Login
- 2) Pilih Scholarship pada sidebar



Gambar 15 Tabel Beasiswa

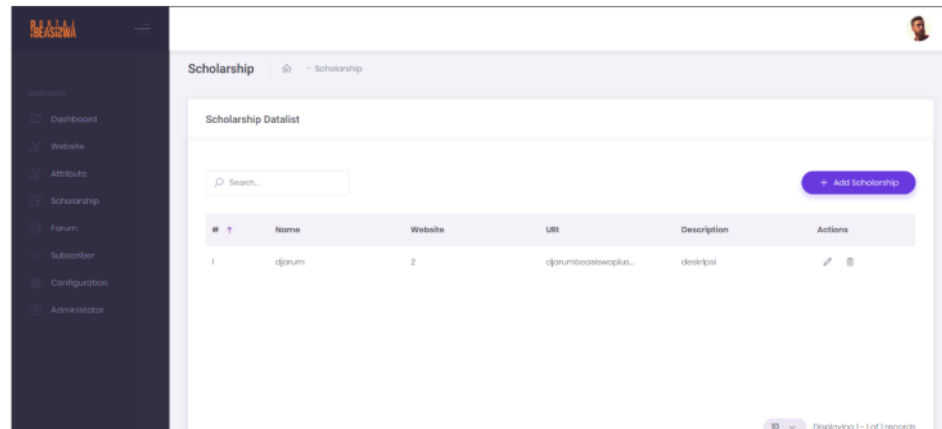
- 3) Klik Add Scholarship
- 4) Isi data Scholarship pada form

Gambar 16 Beasiswa Form

- 5) Klik Submit

B. Memperbarui Scholarship

- 1) Login
- 2) Pilih Scholarship pada sidebar



Gambar 17 Tabel Beasiswa

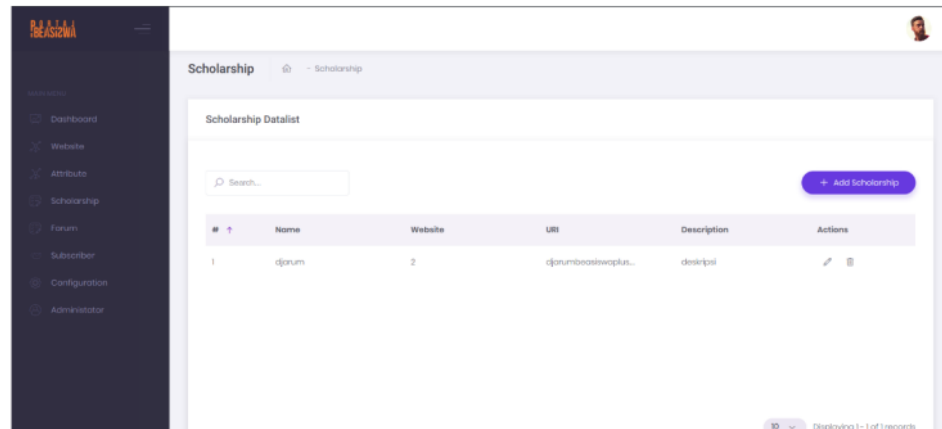
- 3) Klik Ikon Edit pada data table Beasiswa
- 4) Isi data Scholarship pada form edit

Gambar 18 Form Edit Beasiswa

- 5) Klik Update

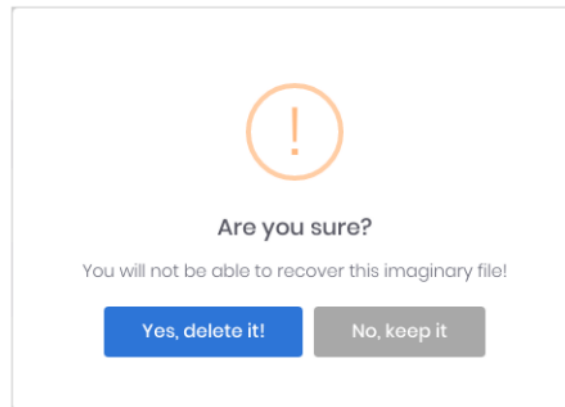
C. Menghapus Scholarship

- 1) Login
- 2) Pilih Scholarship pada sidebar



Gambar 19 Tabel Beasiswa

- 3) Klik Ikon Delete pada data tabel Beasiswa
- 4) Klik Yes, delete it



Gambar 20 Delete Confirmation

5.5. Mengelola *Suggestion*

A. Menambahkan Website dari *Suggestion*

- 1) Login
- 2) Klik Add pada Website *Suggestion* di Dashboard

BidC.6.f.-38

ORIGINALITY REPORT

15%
SIMILARITY INDEX

15%
INTERNET SOURCES

5%
PUBLICATIONS

10%
STUDENT PAPERS

PRIMARY SOURCES

1 air.ashesi.edu.gh **7%**
Internet Source

2 rd.hdut.edu.tw **3%**
Internet Source

3 repository.dinamika.ac.id **3%**
Internet Source

4 github.com **1%**
Internet Source

5 informatika.uc.ac.id **1%**
Internet Source

Exclude quotes Off

Exclude matches Off

Exclude bibliography Off