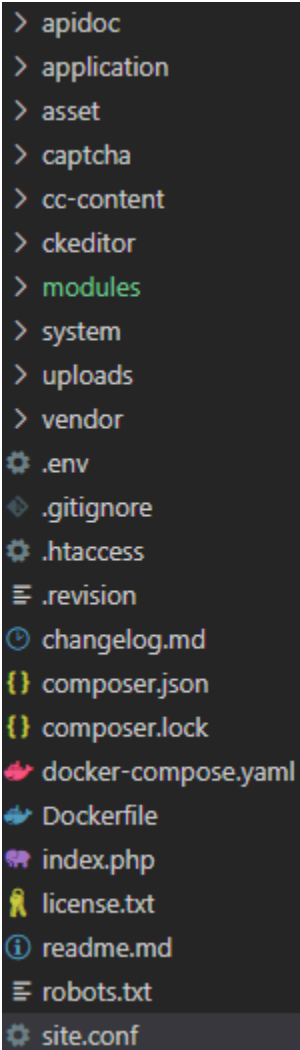


Struktur aplikasi



A screenshot of a file explorer interface with a dark background. The file list is as follows:

- > apidoc
- > application
- > asset
- > captcha
- > cc-content
- > ckeditor
- > modules
- > system
- > uploads
- > vendor
- ⚙ .env
- 💎 .gitignore
- ⚙ .htaccess
- ≡ .revision
- 🕒 changelog.md
- { } composer.json
- { } composer.lock
- 🔥 docker-compose.yaml
- 🐳 Dockerfile
- 🐘 index.php
- 👤 license.txt
- 📖 readme.md
- ≡ robots.txt
- ⚙ site.conf

|-- **apidoc** : folder ini digunakan untuk menyimpan dokumentasi API yang dibuat.

|-- **application** : folder ini berisi kode sumber dari aplikasi yang dibuat menggunakan Cicool, seperti controller, model, dan view, menyimpan file template untuk builder

|----- **config** : folder ini digunakan untuk menyimpan file konfigurasi seperti database, routes, dan konfigurasi aplikasi

|----- **config.php** : digunakan untuk menyimpan konfigurasi aplikasi, seperti pengaturan base url

|----- **database.php** : digunakan untuk menyimpan konfigurasi database, seperti nama host, nama database, nama user, dan password

|-- **asset** : folder ini berisi file-file yang digunakan oleh aplikasi, seperti gambar, css, dan javascript.

|-- **captcha** : folder ini berisi file-file yang digunakan oleh fitur captcha pada Cicool.

|-- **cc-content** : folder ini berisi file-file yang digunakan oleh fitur content management pada Cicool, seperti template pada frontend .

|-- **ckeditor** : folder ini berisi file-file yang digunakan oleh CKEditor, sebuah plugin WYSIWYG editor yang terintegrasi dengan Cicool.

|-- **modules** : folder ini berisi file-file yang digunakan oleh fitur modularitas pada Cicool

|----- **crud** : folder ini berisi kode sumber yang digunakan untuk fitur CRUD (Create, Read, Update, Delete) pada aplikasi Cicool

|----- **controllers** : folder ini berisi file-file controller yang digunakan untuk mengatur alur logic aplikasi dan mengirimkan data ke view

|----- **Crud.php** : file ini merupakan controller yang digunakan untuk fitur CRUD

|----- **models**: folder ini berisi file-file model yang digunakan untuk mengakses dan mengelola data dari database.

|----- **Model_crud.php**: file ini digunakan untuk memproses data dari CRUD yang akan di buat

|----- **view**: folder ini berisi template yang mengatur seperti layout aplikasi isi dari controller file dan model

|-- **system** : folder ini berisi file-file yang merupakan bagian dari sistem Cicool, seperti library, helper, dan lainnya.

|-- **uploads** : folder ini berisi file-file yang diupload oleh pengguna aplikasi

|-- **vendor** : folder ini berisi file-file yang merupakan dependensi dari aplikasi, seperti library eksternal yang ditambahkan melalui Composer

|-- **.env** : file ini berisi konfigurasi environment aplikasi, seperti nama database, nama user database, dan lainnya.

|-- **.gitignore** : file ini digunakan oleh Git untuk menentukan file-file yang tidak perlu diikutsertakan dalam proses version control.

|-- **composer.json** : file ini berisi informasi tentang dependensi aplikasi yang ditambahkan melalui Composer.

|-- **docker-compose.yml** : file ini digunakan oleh Docker Compose untuk menyimpan konfigurasi container yang akan dibuat.

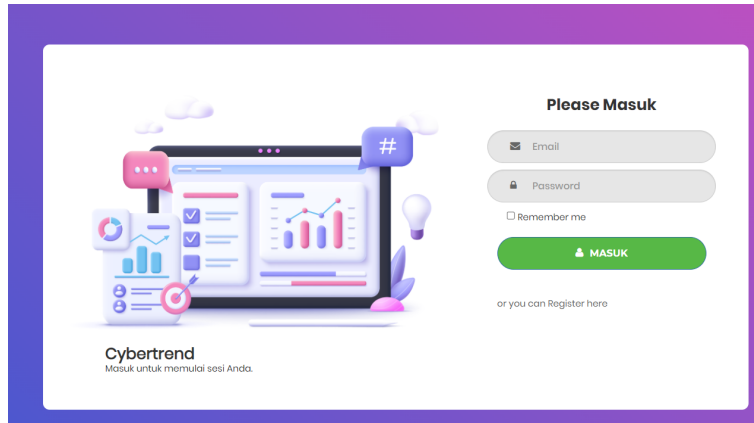
|-- **Dockerfile** : file ini digunakan oleh Docker untuk menyimpan instruksi untuk membuat sebuah container.

|-- **index.php** : file ini merupakan entry point dari aplikasi.

|-- **robots.txt** : file ini digunakan oleh mesin pencari untuk menentukan bagian dari website yang boleh atau tidak boleh diindeks.

|-- **site.conf** : file ini digunakan untuk konfigurasi server nginx

Login



Lokasi View Template

Modules\auth\views\backend\standart\administrator\login.php

Action

```
1 public function login()
2 {
3
4     if ($this->auth->is_logged_in()) {
5         redirect(AUTH_NAMESPACE_URL . '/user/profile', 'refresh');
6     }
7     $data = [];
8     $this->config->load('site');
9
10    $this->form_validation->set_rules('username', 'Username', 'trim|required');
11    $this->form_validation->set_rules('password', 'Password', 'trim|required');
12
13
14    if ($this->form_validation->run()) {
15        if ($this->auth->login($this->input->post('username'), $this->input->post('password'), $this->input->post('remember'))) {
16            $ref = $this->session->userdata('redirect');
17
18            if ($ref) {
19                redirect($ref, 'refresh');
20            } else {
21                redirect(AUTH_NAMESPACE_URL . '/user/profile', 'refresh');
22            }
23        } else {
24            $data['error'] = $this->auth->print_errors(TRUE);
25        }
26    } else {
27        $data['error'] = validation_errors();
28    }
29    $this->template->build('backend/standart/administrator/login', $data);
30 }
```

modules\auth\controllers\backend\Auth.php login()


Profile

User

Profile User

Admin

admin



Group User

> Admin

> Prodi

Detail User

Status

Active

Last Login

2022-12-21 16:42:58

Last Activity

2022-12-21 16:42:58

Date Created

2022-09-27 15:43:34

IP Address

127.0.0.1

Edit Profile

View

Modules\user\views\backend\standart\administrator\user\user_profile.php

Update Profile

User

Memperbarui Profile

User

Memperbarui Profile

Username *

admin

The username of user.

Email *

admin@admin.com

The email of user.

Full Name *

admin

The full name of user.

Avatar

Select

Drop files here

Format file must PNG, JPEG.

Password

Password

Jangan mengisi jika Anda tidak ingin mengganti kata sandinya.
The password character must 6 or more.

Simpan

Simpan dan pergi ke daftar

Batal

View

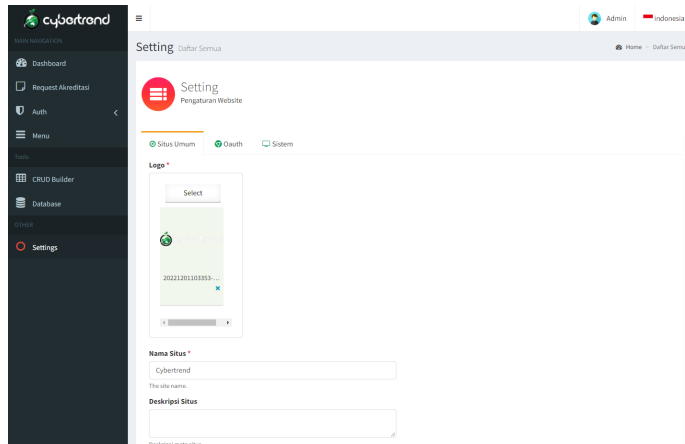
Modules\user\views\backend\standart\administrator\user\user_update_profile.php

Action

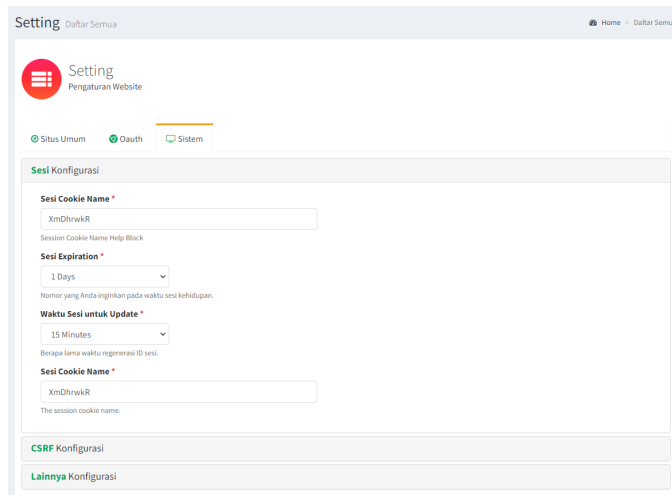
modules\user\controllers\backend\User.php `edit_profile_save()`

Setting

General



System



Lokasi View Template

modules/setting/view/backend/standard/administrator/setting/setting_general.php

[illegible]

Lokasi Controller

modules/setting/controllers/backend/Setting.php

Lokasi Model

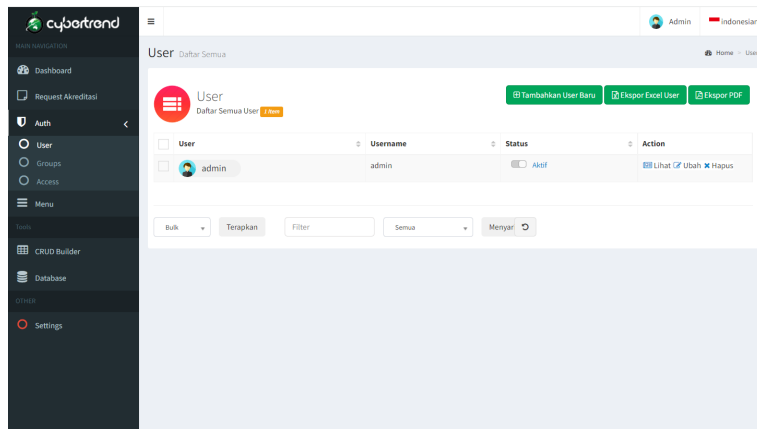
modules/setting/models/Model_setting.php

Save Setting

Action

```
modules\setting\controllers\backend\Setting.php save()
```

User Module

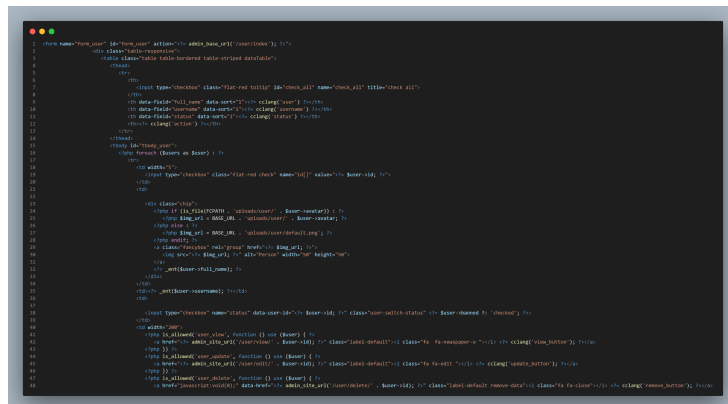


Lokasi View Template

modules/user/view/backend/standard/administrator/user/user_list.php

modules/user/view/backend/standard/administrator/user/user_add.php

modules/user/view/backend/standard/administrator/user/user_update.php



Lokasi Controller

modules/user/controllers/backend/User.php

Save User

Action

modules\user\controllers\backend\User.php [add_save\(\)](#)

Update User

Action

modules\user\controllers\backend\User.php [edit_save\(\)](#)

Set User Status

Action

modules\user\controllers\backend\User.php [set_status\(\)](#)

Groups

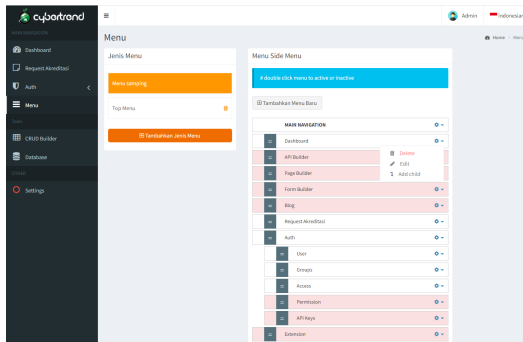
The screenshot displays the 'Groups' management page in the cybertrond application. The left sidebar contains a 'MAIN NAVIGATION' menu with options like Dashboard, Request Akreditasi, Auth, User, Groups, Access, Menu, Tools, CRUD Builder, Database, and Settings. The main content area shows a 'Group' header with a 'Daftar Semua Group' link and buttons for 'Tambahkan Group Baru', 'Ekspor Excel', and 'Ekspor PDF'. Below this is a table with columns for ID, Name, Definition, and Action. The table lists four groups: Admin (Superadmin Group), Direktur (Direktur Group), Prodi (Prodi), and Asesor Internal (Asesor Internal). Each group has a 'Lihat' (view) icon, an 'Ubah' (edit) icon, and a 'Hapus' (delete) icon. At the bottom, there are filters for 'Bulk', 'Terapkan', 'Filter', and 'Semua'.

ID	Name	Definition	Action
1	Admin	Superadmin Group	Lihat Ubah Hapus
2	Direktur	Direktur Group	Lihat Ubah Hapus
3	Prodi	Prodi	Lihat Ubah Hapus
4	Asesor Internal	Asesor Internal	Lihat Ubah Hapus

Lokasi Controller : modules/group/controllers/backend/Group.php

Menu

List Menu



Lokasi View :

modules\menu\views\backend\standart\administrator\menu\menu_list.php

modules\menu\views\backend\standart\administrator\menu\menu_add.php

modules\menu\views\backend\standart\administrator\menu\menu_update.php

Lokasi Controller :

modules\menu\controllers\backend\Menu.php

Lokasi Model :

modules\menu\models\Model_menu.php

Add menu

Action

modules\menu\controllers\backend\Menu.php [add_save\(\)](#)

Update menu

Action

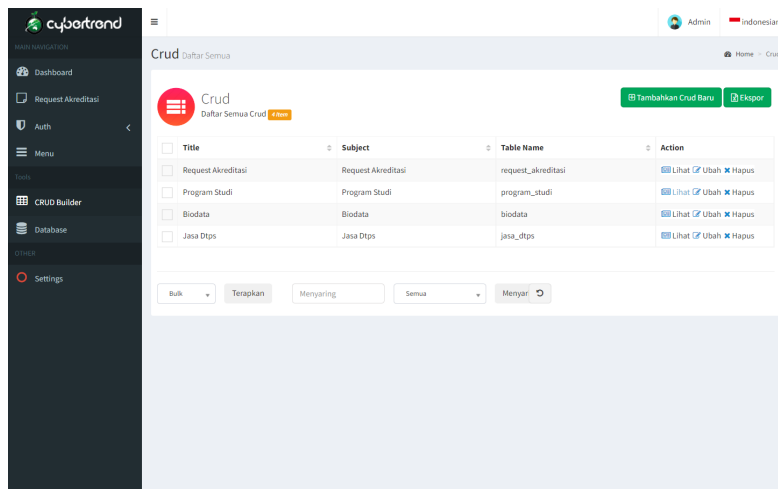
modules\menu\controllers\backend\Menu.php [edit_save\(\)](#)

Sort menu

Action

modules\menu\controllers\backend\Menu.php `save_ordering()`

Crud Builder



Lokasi View :

modules\crud\views\backend\standart\administrator\crud\crud_list.php

modules\crud\views\backend\standart\administrator\crud\crud_add.php

modules\crud\views\backend\standart\administrator\crud\crud_update.php

Lokasi Controller :

modules\crud\controllers\backend\Crud.php





Lokasi Model :

modules\crud\models\Model_crud.php

Action Create Crud

Lokasi File View :

Modules\crud\views\backend\standart\administrator\crud\crud_field_data.php

Tidak	Bidang	Kolom	Tambahan Formulir	Perbarui Formulir	Halaman Detail	Jenis Masukan	Validasi
	id	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Number	+ Add Rules
	nama placeholder Auto Generate Help Block ? yes wrapper class group-nama	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Input	+ Add Rules required max length 50
	email placeholder Auto Generate Help Block ? yes wrapper class group-email	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Input	+ Add Rules required max length 100
	tanggal_lahir placeholder Auto Generate Help Block ? yes wrapper class group-tanggal_lahir	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Datetime	+ Add Rules required

Action : modules\crud\controllers\backend\Crud.php `get_field_data()`

```
1
2 /**
3  * Get field data
4  *
5  * @return html
6  */
7 public function get_field_data($table)
8 {
9
10     $vars = ['table' => $table, 'table_name' => $table];
11     $vars['fields'] = $this->db->field_data($table);
12     $vars['n_fields'] = $this->db->query("SHOW COLUMNS FROM `". $table.">result();
13     $vars['field'] = [];
14
15     $name_fields = [];
16
17     foreach ($vars['n_fields'] as $idx => $val) {
18         $name_fields[$val->Field] = $vars['fields'][$idx];
19         $name_fields[$val->Field]->detail = $val;
20     }
21
22     $vars['fields'] = $name_fields;
23
24
25     $this->data['html'] = $this->load->view('backend/standart/administrator/crud/crud_field_data.php', $vars, true);
26     $this->data['subject'] = ucwords(clean_snake_case($table));
27     $this->data['success'] = true;
28
29     return $this->response($this->data);
30 }
```

Save Crud

Action : modules\crud\controllers\backend\Crud.php `save_crud()`

```
1 public function save_crud()
2 {
3     if ($this->form_validation->run()) {
4         $this->load->library('parser');
5         $this->load->helper('file');
6         $this->load->library('crud_builder', [
7             'crud' => $this->crud
8         ]);
9
10
11         $id_crud = $this->model_crud->crud_exist($this->input->post('table_name'));
12
13         $this->data = [
14             'php_open_tag' => '<?php',
15             'php_close_tag' => '<?>',
16             'php_open_tag_echo' => '<?>',
17             'table_name' => $this->input->post('table_name'),
18             'use_model' => $this->input->post('crud_model') == 'yes',
19             'primary_key' => $this->input->post('primary_key'),
20             'subject' => $this->input->post('subject'),
21             'non_input_able_validation' => $this->crud_builder->getNonInputableValidation(),
22             'input_able_validation' => $this->crud_builder->getInputableValidation(),
23             'show_in_add_form' => $this->crud_builder->getFieldShowInAddForm(),
24             'show_in_update_form' => $this->crud_builder->getFieldShowInUpdateForm(),
25             'crud_actions' => $this->model_crud->get_crud_action($id_crud),
26         ];
27
28         if ($this->input->post('title')) {
29             $this->data['title'] = $this->input->post('title');
30         } else {
31             $this->data['title'] = $this->input->post('subject');
32         }
33
34         $table_name = $this->input->post('table_name');
35         $module_folder = strtolower($table_name);
36
37         $view_path = FCPATH . '/modules/' . $module_folder . '/views/backend/standart/administrator/' . $table_name . '/';
38         $controller_path = FCPATH . '/modules/' . $module_folder . '/controllers/backend/';
39         $lang_path = FCPATH . '/modules/' . $module_folder . '/language/' . get_current_lang() . '/';
40         $model_path = FCPATH . '/modules/' . $module_folder . '/models/';
41
42         $dir_modules[] = 'modules/' . $module_folder;
43         $dir_modules[] = 'modules/' . $module_folder . '/models';
44         $dir_modules[] = 'modules/' . $module_folder . '/views';
45         $dir_modules[] = 'modules/' . $module_folder . '/controllers';
46         $dir_modules[] = 'modules/' . $module_folder . '/language';
47         $dir_modules[] = 'modules/' . $module_folder . '/language/' . get_current_lang();
48         $dir_modules[] = 'modules/' . $module_folder . '/controllers/backend';
49         $dir_modules[] = 'modules/' . $module_folder . '/views/backend';
50         $dir_modules[] = 'modules/' . $module_folder . '/views/backend/standart';
51         $dir_modules[] = 'modules/' . $module_folder . '/views/backend/standart/administrator';
52     }
```

Beberapa file yang di buat ketika create CRUD

```

└─ biodata
   └─ controllers\backend
      └─ Biodata.php
   └─ language\indonesian
      └─ web_lang.php
   └─ models
      └─ Model_biodata.php
   └─ views\backend\standart\administrator\biodata
      └─ biodata_add.php
      └─ biodata_data_table_single_row.php
      └─ biodata_data_table.php
      └─ biodata_list.php
      └─ biodata_update.php
      └─ biodata_view.php

```

Crud Field baru

Crud Builder Field Baru

Crud Builder
Field Baru

Name	Type	Length / Value	Default	Null
<input type="text"/>	INT	<input type="text"/>	none	<input type="checkbox"/>

[Simpan](#)

Tambahan Perbarui Halaman

View :

modules\crud\views\backend\standart\administrator\crud\crud_config_compon
ent.php

Action

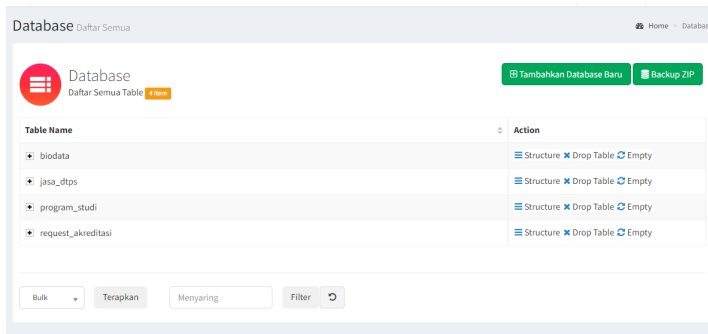
modules\database\controllers\backend\Database.php [add_save\(\)](#)

```

1  /**
2  * Add New Databases
3  *
4  * @return JSON
5  */
6  public function add_save()
7  {
8      if (!($this->is_allowed('database_add', false)) {
9          echo json_encode([
10              'success' => false,
11              'message' => cclang('sorry_you_do_not_have_permission_to_access')
12          ]);
13          exit;
14      }
15
16      $this->form_validation->set_rules('table_name', 'Table Name', 'trim|required');
17
18
19      if ($this->form_validation->run()) {
20
21          $save_data = [
22              'table_name' => $this->input->post('table_name'),
23          ];
24
25          $fields = [];
26
27          $primary_key = '';
28          foreach ($this->input->post('table') as $field) {
29              $auto_increment = isset($field['auto_increment']) ? true : false;
30              $null = isset($field['null']) ? true : false;
31              $name = $field['name'];
32              $constraint = $field['length'];
33              $type = $field['type'];
34              $default = '';
35
36              if ($auto_increment == true and $primary_key == '') {
37                  $primary_key = $name;
38              }
39
40              if ($field['default'] == 'null') {
41                  $default = 'null';
42              } else if ($field['default'] == 'as_defined') {
43                  $default = $field['defined_value'];
44              }
45          }
46      }

```

Database



View :

Modules\database\views\backend\standart\administrator\database\database_list.php

Database baru

Database Database Baru

Database
Database Baru

Table Name * nama_table

Name	Type	Length / Value	Default	Null	Auto Increment / Primary Key	
id	INT		none	<input type="checkbox"/>	<input type="checkbox"/>	
deskripsi	TEXT		none	<input type="checkbox"/>	<input type="checkbox"/>	
tanggal	DATETIME		none	<input type="checkbox"/>	<input type="checkbox"/>	
	INT		none	<input type="checkbox"/>	<input type="checkbox"/>	

[Simpan](#) [Batal](#)

Action

modules\database\controllers\backend\Database.php [add_save\(\)](#)

View

Modules\database\views\backend\standart\administrator\database\database_admin.php

Remove Field

Action

modules\database\controllers\backend\Database.php [remove_field\(\)](#)

Remove Key

```

1 public function remove_key($table_name)
2 {
3     $this->is_allowed('database_update');
4     $table_name = ccdecrypt($table_name);
5     $field = $this->input->get('field');
6     set_message(cclang('success_update_data_redirect', []), 'success');
7
8     $this->db->query("
9         ALTER TABLE `". $table_name . "` MODIFY `". $field . "` INT NOT NULL;");
10    $this->db->query("
11        ALTER TABLE `". $table_name . "` DROP PRIMARY KEY;");
12    redirect_back();
13 }
```

Action

modules\database\controllers\backend\Database.php [remove_key\(\)](#)

Drop Table

```
1 public function drop_table($table_name)
2 {
3     $this->is_allowed('database_view');
4     $table_name = ccdecrypt($table_name);
5
6     set_message(cclang('has_been_deleted', $table_name), 'success');
7
8     $this->dbforge->drop_table($table_name);
9     redirect_back();
10 }
```

Action

modules\database\controllers\backend\Database.php [drop_table\(\)](#)

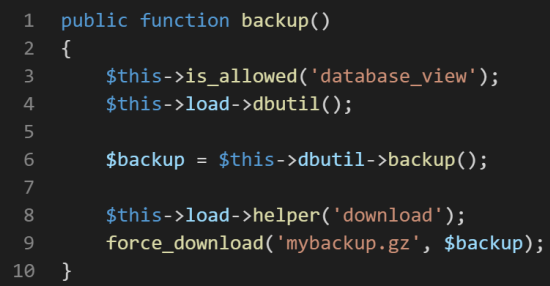
Empty Data

```
1 public function truncate($table_name)
2 {
3     $this->is_allowed('database_view');
4     $table_name = ccdecrypt($table_name);
5
6     set_message(cclang('has_been_deleted', $table_name), 'success');
7
8     $this->db->truncate($table_name);
9     redirect_back();
10 }
```

Action

modules\database\controllers\backend\Database.php [truncate\(\)](#)

Backup Data



```
1 public function backup()
2 {
3     $this->is_allowed('database_view');
4     $this->load->dbutil();
5
6     $backup = $this->dbutil->backup();
7
8     $this->load->helper('download');
9     force_download('mybackup.gz', $backup);
10 }
```

Action

modules\database\controllers\backend\Database.php `backup()`