TUGAS ANALISIS DAN DESAIN SISTEM
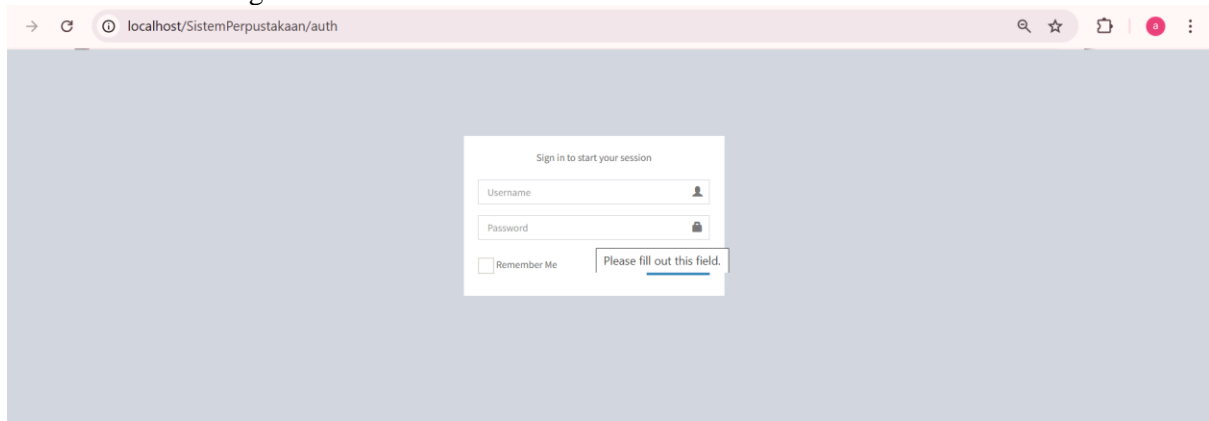**Inventory Management**

Nama   : Amanda Febriana Putri
NIM   : 12030123130155
Mata Kuliah   : Pengkodean dan Pemrograman
Kelas   : E
Dosen Pengampu : Dr. Totok Dewayanto, S.E.,M.Si., Akt.

PROGRAM STUDI AKUNTANSI S1
FAKULTAS EKONOMIKA DAN BISNIS
UNIVERSITAS DIPONEGORO
2025

Result

1. Halaman Login

Code

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Auth extends CI_Controller
{
    public function index()
    {
        isLogin();
        $this->form_validation->set_rules('username', 'Username',
'required|trim');
        $this->form_validation->set_rules('password', 'Password',
'required|trim');
        if ($this->form_validation->run() == false) {
            $data = [
                'title' => 'Login'
            ];
            $this->template->load('auth/template', 'auth/login', $data);
        } else {
            $username = $this->input->post('username');
            $password = $this->input->post('password');

            $user = $this->db->get_where('admin', ['username' => $username])-
>row_array();
            if($user['status']=='1'){
                $hak_akses = 'admin';
            }elseif($user['status']=='0'){
                $hak_akses = 'keperpus';
            }else{
                $hak_akses = 'siswa';
            }
            if ($user) {
                if (password_verify($password, $user['password'])) {
                    $data = [
                        'isLogin'    => true,
```

```php
                        'username'  => $user['username'],
                        'nama'      => $user['nama_lengkap'],
                        'hak_akses' => $hak_akses,
                    ];
                    $this->session->set_userdata($data);
                    redirect('/admin');
                } else {
                    $this->session->set_flashdata('message', '<div
class="alert alert-danger" role="alert">Password Salah!</div>');
                    redirect('auth');
                }
            } else {
                $this->session->set_flashdata('message', '<div class="alert
alert-danger" role="alert">Username belum terdaftar!</div>');
                redirect('auth');
            }
        }
    }

    public function logout()
    {
        $this->session->unset_userdata('nama');
        $this->session->unset_userdata('username');
        $this->session->unset_userdata('isLogin');
        session_destroy();
        $this->session->set_flashdata('message', '<div class="alert alert-
success" role="alert">You have been logged out!</div>');
        redirect('/');
    }

    public function blocked()
    {
        $this->load->view('auth/blocked');
    }
}
```
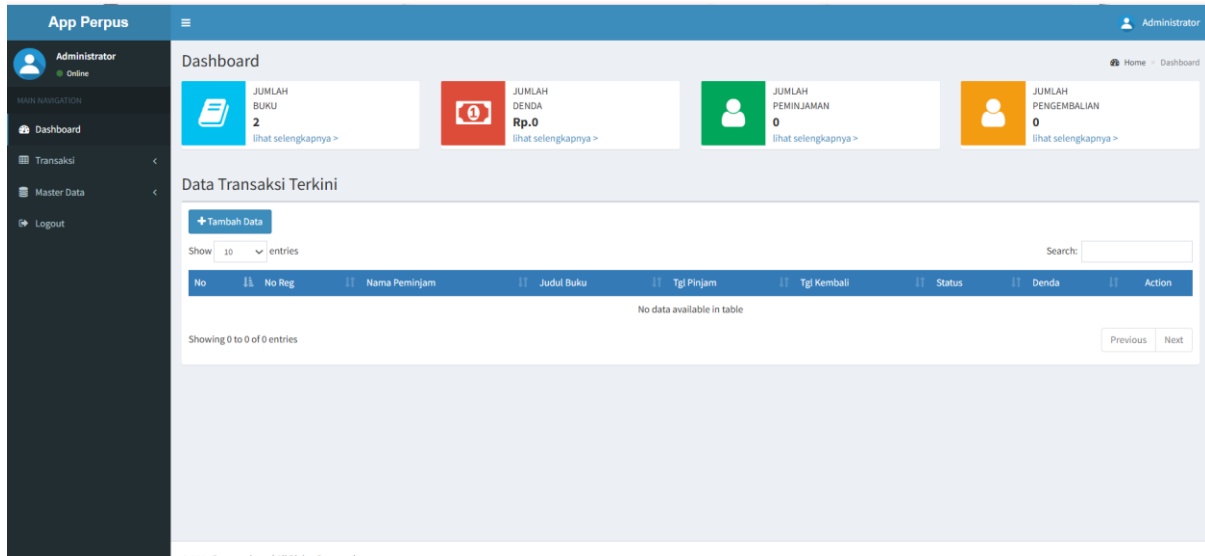
2. Dashboard

Code

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Admin extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
        $this->load->model('M_transaksi', 'm_transaksi');
    }
    public function index()
    {
        if (!$this->session->userdata('isLogin') || $this->session-
>userdata('hak_akses') !== 'admin') {
            redirect(base_url());
        }

        $data = [
            'title'     => 'Admin',
            'transaksi' => $this->m_transaksi->getData(),
            'jml_buku'  => $this->db->get('buku')->num_rows(),
            'denda'     => $this->db->select_sum('denda')->get('transaksi')-
>row_array()['denda'],
            'pinjam'    => $this->db->get_where('transaksi',
['tgl_kembali'=>null])->num_rows(),
            'kembali'   => $this->db->get_where('transaksi', ['tgl_kembali
!='=>null])->num_rows(),
        ];

        $this->template->load('admin/template', 'admin/home', $data);
    }
```

```php
    public function list()
    {
        $data['title'] = 'Admin List';
        $data['admin'] = $this->db->order_by('id', 'desc')->get('admin')-
>result_array();
        $this->template->load('admin/template', 'admin/list', $data);
    }

    public function add()
    {
        if(isset($_POST['submit'])){
            $data= [
                'username'      => $this->input->post('username'),
                'nama_lengkap'  => $this->input->post('nama_lengkap'),
                'password'      => password_hash($this->input-
>post('password'), PASSWORD_DEFAULT),
            ];
            if($this->db->insert('admin', $data)){
                $this->session->set_flashdata('message', '<div class="alert
alert-success" role="alert">Berhasil Tambah Data!</div>');
                redirect('admin/list');
            }else{
                $this->session->set_flashdata('message', '<div class="alert
alert-danger" role="alert">Gagal Tambah Data!</div>');
                redirect('admin/list');
            }
        }else{
            redirect('admin/list');
        }
    }

    public function update($id)
    {
        if(isset($_POST['submit'])){
            $data= [
                'username'      => $this->input->post('username'),
                'nama_lengkap'  => $this->input->post('nama_lengkap'),
            ];
            if( $this->input->post('password') !== '' ){
                $data['password'] =  password_hash($this->input-
>post('password'), PASSWORD_DEFAULT);
            }
            if($this->db->update('admin', $data, ['id'=>$id])){
                $this->session->set_flashdata('message', '<div class="alert
alert-success" role="alert">Berhasil Ubah Data!</div>');
                redirect('admin/list');
            }else{
```

```php
                $this->session->set_flashdata('message', '<div class="alert
alert-danger" role="alert">Gagal Ubah Data!</div>');
                redirect('admin/list');
            }
        }else{
            redirect('admin/list');
        }
    }

    public function delete($id='')
    {
        if($id !==''){
            if($this->db->delete('admin', ['id'=>$id])){
                $this->session->set_flashdata('message', '<div class="alert
alert-success" role="alert">Berhasil Hapus Data!</div>');
                redirect('admin/list');
            }else{
                $this->session->set_flashdata('message', '<div class="alert
alert-danger" role="alert">Gagal Hapus Data!</div>');
                redirect('admin/list');
            }
        }else{
            redirect('admin/list');
        }
    }

    public function getdata($id)
    {
        $data = $this->db->get_where('admin', ['id'=>$id])->row_array();
        echo json_encode($data);
    }

    function get_siswa(){
        if (isset($_GET['term'])) {
            $this->db->like('nama_siswa', $_GET['term']);
            $result = $this->db->get('siswa')->result();
            if (count($result) > 0) {
            foreach ($result as $row)
                $arr_result[] = array(
                    'label' => $row->nama_siswa,
                    'no_reg' => $row->no_reg,
                );
                echo json_encode($arr_result);
            }
        }
    }

    function get_buku(){
```

```php
        if (isset($_GET['term'])) {
            $this->db->like('judul_buku', $_GET['term']);
            $result = $this->db->get('buku')->result();
            if (count($result) > 0) {
            foreach ($result as $row)
                $arr_result[] = array(
                    'label' => $row->judul_buku,
                    'kd_buku' => $row->kd_buku,
                );
                echo json_encode($arr_result);
            }
        }
    }
}
```