

```
<?php
```

```
defined('BASEPATH') OR exit('No direct script access allowed');
```

```
class Auth extends CI_Controller {
```

```
    public function __construct()
```

```
    {
```

```
        parent::__construct();
```

```
        $this->load->model('User_model','user');
```

```
    }
```

```
    public function index()
```

```
    {
```

```
        check_siap_login();
```

```
        $data=[
```

```
            'title'=> "Aplikasi Prediksi"
```

```
        ];
```

```
        $this->load->view('login', $data);
```

```
    }
```

```
    public function prosesLogin(){
```

```
        $post = $this->input->post(NULL,TRUE);
```

```
        if(isset($post['login'])){
```

```
            $userName = htmlspecialchars($post['username']);
```

```
$userPass = $post['password'];

$dataUser = $this->db->get_where('tbl_user', ['username' => $userName])->row_array();

if($dataUser){
    if($dataUser['status']=="Aktif"){
        if(password_verify($userPass, $dataUser['password'])){
            $data=[
                'userId'    => $dataUser['id_user'],
            ];
            $this->session->set_userdata($data);
            // $this->session->set_flashdata('flash','Bagus');
            echo
            "<script>
            alert('Selamat Anda Berhasil Login!');
            </script>";

            redirect('Dashboard','refresh');
            RETURN FALSE;
        }else{
            echo
            "<script>
            alert('Opps Password Salah!');
            </script>";
            // $this->session->set_flashdata('flash', 'Warning');
            redirect('Auth','refresh');
```

```

        RETURN FALSE;

    }

} else {

    echo

    "<script>

    alert('User sedang di blokir!');

    </script>";

    // $this->session->set_flashdata('flash', 'Block');

    redirect('Auth','refresh');

    RETURN FALSE;

}

} else {

    echo "<script> alert('User Tidak di Temukan!');</script>";

    // $this->session->set_flashdata('flash', 'NotFound');

    redirect('Auth','refresh');

    RETURN FALSE;

}

}

}

public function logout()

{

    $params = ['userId'];

    $this->session->unset_userdata($params);

```

```
redirect(base_url(),'refresh');
```

```
}
```

```
}
```

```
<?php
```

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

```
class Dashboard extends CI_Controller
```

```
{
```

```
    public function __construct()
```

```
    {
```

```
        parent::__construct();
```

```
        // $this->load->model('Jenis_model','mJenis');
```

```
        check_belum_login();
```

```
    }
```

```
    public function index()
```

```
    {
```

```
        $data = [
```

```
            'appName' => 'Prediksi Distribusi Air Bersih',
```

```
            'appHalaman' => 'Dashboard',
```

```
            // 'row'=>$this->mJenis->getAll(),
```

```
            'nama_file' => 'dashboard'
```

```
];  
$this->load->view('template/content', $data);  
}  
}
```

<?php

defined('BASEPATH') or exit('No direct script access allowed');

class Dataset extends CI_Controller

```
{  
    public function __construct()  
    {  
        parent::__construct();  
        $this->load->model('Dataset_model', 'dataset');  
        $this->load->model('Kecamatan_model', 'mKecamatan');  
        check_belum_login();  
    }  
    public function index()  
    {  
        $data = [  
            'appName' => 'Prediksi Distribusi Air Bersih',  
            'appHalaman' => 'Dataset',  
            'row'      => $this->dataset->getAll(),  
            'nama_file' => 'dataset/index'
```

```

];

$this->load->view('template/content', $data);
}

public function Tambah()
{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Dataset',
        'rDesa'     => $this->mKecamatan->getAll(),
        'nama_file' => 'dataset/add'
    ];

    $this->form_validation->set_rules('desa', 'Nama Kecamatan :',
    'required|callback_cek_bulan', [
        'required' => '%s Belum isi, Silahkan dilengkapi!'
    ]);

    $this->form_validation->set_rules(
        'bulan',
        'Bulan :',
        'required|callback_cek_bulan',
        [
            'required' => '%s Masih Kosong, Silahkan Dipilih!'
        ]
    );

    $this->form_validation->set_rules(

```

```

        'tahun',

        'Tahun :',

        'required|callback_cek_bulan',

        [

            'required' => '%s Masih Kosong, Silahkan isi!'

        ]

    );

    $this->form_validation->set_rules(

        'jumlah_penjualan',

        'Jumlah Disitribusi Air :',

        'required',

        [

            'required' => '%s Masih Kosong, Silahkan Diisi!'

        ]

    );

    $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
'</span>');

    if ($this->form_validation->run() == FALSE) {

        $this->load->view('template/content', $data);

    } else {

        $post = $this->input->post(null, true);

        $button = $this->input->post('simpan');

        $kecamatan = $this->input->post('desa', true);

        $bulan = $this->input->post('bulan', true);

        $tahun = $this->input->post('tahun', true);

```

```

        if (isset($button)) {
            $this->dataset->insertData($post);
            if ($this->db->affected_rows() > 0) {
                $this->session->set_flashdata('flash', 'Dataset ' . $kecamatan . ' ' . bulan($bulan) . ' ' .
$ahun);
                $this->session->set_flashdata('success', 'Berhasil Di Simpan!');
                redirect('Dataset/Tambah', 'refresh');
            } else {
                $this->session->set_flashdata('flash', 'Dataset ' . $kecamatan . ' ' . bulan($bulan) . ' ' .
$ahun);
                $this->session->set_flashdata('unsucces', 'Gagal Di Simpan!');
                redirect('Dataset/Tambah', 'refresh');
            }
        }
    }
}

public function Edit($id)
{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Rubah Dataset',
        'nrow' => $this->dataset->getId($id),
        'rDesa'    => $this->mKecamatan->getAll(),
        'nama_file' => 'dataset/edit',
    ];

```

```
$this->form_validation->set_rules('desa', 'Nama Kecamatan :', 'required', [  
    'required' => '%s Belum isi, Silahkan dilengkapi!'  
]);
```

```
$this->form_validation->set_rules(  
    'bulan',  
    'Bulan :',  
    'required|callback_cek_bulans',  
    [  
        'required' => '%s Masih Kosong, Silahkan Dipilih!'  
    ]  
);
```

```
$this->form_validation->set_rules(  
    'tahun',  
    'Tahun :',  
    'required|callback_cek_bulans',  
    [  
        'required' => '%s Masih Kosong, Silahkan isi!'  
    ]  
);
```

```
$this->form_validation->set_rules(  
    'jumlah_penjualan',  
    'Jumlah Disitribusi Air :',  
    'required',  
    [  

```

```

        'required' => '%s Masih Kosong, Silahkan Diisi!'
    ]
);

$this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
'</span>');

if ($this->form_validation->run() == FALSE) {
    $this->load->view('template/content', $data);
} else {
    //edit data

    $post = $this->input->post(null, true);

    $kecamatan = $this->input->post('desa', true);

    $bulan = $this->input->post('bulan', true);

    $tahun = $this->input->post('tahun', true);

    $button = $this->input->post('edit');

    if (isset($button)) {
        $this->dataset->updateData($post);

        if ($this->db->affected_rows() > 0) {
            $this->session->set_flashdata('flash', 'Dataset : ' . $kecamatan . ' ' . bulan($bulan) . ' ' .
            $tahun);

            $this->session->set_flashdata('success', 'Berhasil Di Update!');

            redirect('dataset', 'refresh');
        } else {
            $this->session->set_flashdata('flash', 'Dataset : ' . $kecamatan . ' ' . bulan($bulan) . ' ' .
            . $tahun);

            $this->session->set_flashdata('unsuccess', 'Gagal Di Update!');

```

```

        redirect('dataset', 'refresh');
    }
}
}
}

public function Hapus($id)
{
    $this->dataset->deleteData($id);
    if ($this->db->affected_rows() > 0) {
        $this->session->set_flashdata('flash', 'Dataset');
        $this->session->set_flashdata('success', 'Dataset Berhasil Di Hapus');
        redirect('dataset', 'refresh');
    } else {
        $this->session->set_flashdata('flash', 'Dataset');
        $this->session->set_flashdata('unsuccess', 'Dataset Berhasil Di Hapus');
        redirect('dataset', 'refresh');
    }
}

public function cek_bulan($str)
{
    $desa = $this->input->post('desa');
    $cBulan = $this->input->post('bulan');
    $cTahun = $this->input->post('tahun');

```

```

$query = $this->db->query("SELECT * FROM tbl_dataset WHERE id_kecamatan = '$desa'
&& bulan='$cBulan' && tahun='$cTahun'");

if ($query->num_rows() > 0) {

    $this->form_validation->set_message('cek_bulan', '{field} sudah ada, silahkan Bulan /
Tahun lain!');

    $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
'</span>');

    return FALSE;

} else {

    return TRUE;

}

}

public function cek_bulans($str)
{

    $cId = $this->input->post('id');

    $desa = $this->input->post('desa');

    $cBulan = $this->input->post('bulan');

    $cTahun = $this->input->post('tahun');

    $query = $this->db->query("SELECT * FROM tbl_dataset WHERE id_kecamatan = '$desa'
&& bulan='$cBulan' && tahun='$cTahun' && id_dataset!='$cId'");

    if ($query->num_rows() > 0) {

        $this->form_validation->set_message('cek_bulan', '{field} sudah ada, silahkan Bulan /
Tahun lain!');

        $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
'</span>');

        return FALSE;

    } else {

```

```
        return TRUE;
    }
}
```

```
<?php
```

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

```
class Kecamatan extends CI_Controller
```

```
{
    public function __construct()
    {
        parent::__construct();

        $this->load->model('Kecamatan_model', 'kecamatan');

        check_belum_login();
    }

    public function index()
    {
        $data = [
            'appName' => 'Prediksi Distribusi Air Bersih',
            'appHalaman' => 'Data Kecamatan',
            'row' => $this->kecamatan->getAll(),
            'nama_file' => 'jenis/index'
        ];

        $this->load->view('template/content', $data);
    }
}
```

```

public function Tambah()
{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Tambah Data Kecamatan',
        'nama_file' => 'jenis/add'
    ];

    $this->form_validation->set_rules('nama_jenis', 'Nama Kecamatan :',
    'required|is_unique[tbl_kecamatan.nm_kecamatan]');

    $this->form_validation->set_message('required', '%s Masih Kosong, Silahkan Di Isi!');

    $this->form_validation->set_message('is_unique', '{field} Sudah Ada, Silahkan masukkan
    data lain!');

    $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
    '</span>');

    if ($this->form_validation->run() == FALSE) {
        $this->load->view('template/content', $data);
    } else {
        $post = $this->input->post(null, true);

        $button = $this->input->post('simpan');

        $nama = $post['nama_jenis'];

        if (isset($button)) {
            $this->kecamatan->insertData($post);

            if ($this->db->affected_rows() > 0) {
                $this->session->set_flashdata('flash', " . $nama);
            }
        }
    }
}

```

```

        $this->session->set_flashdata('success', 'Berhasil Di Simpan!');

        redirect('Kecamatan', 'refresh');

    } else {

        $this->session->set_flashdata('flash', " . $nama);

        $this->session->set_flashdata('unsuccess', 'Gagal Di Simpan!');

        redirect('Kecamatan', 'refresh');

    }

}

}

}

}

```

```

public function Edit($id)
{
    $data = [

        'appName' => 'Prediksi Distribusi Air Bersih',

        'appHalaman' => 'Rubah Data Kecamatan',

        'row'      => $this->kecamatan->getId($id),

        'nama_file' => 'jenis/edit',

    ];

    $this->form_validation->set_rules('nama_jenis', 'Nama Kecamatan :', 'required');

    $this->form_validation->set_message('required', '%s Masih Kosong, Silahkan Di Isi!');


    $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
'</span>');

```

```

if ($this->form_validation->run() == FALSE) {
    $this->load->view('template/content', $data);
} else {
    $post = $this->input->post(null, true);
    $nama = $post['nama_jenis'];
    $button = $this->input->post('edit');
    if (isset($button)) {
        $this->kecamatan->updateData($post);
        if ($this->db->affected_rows() > 0) {
            $this->session->set_flashdata('flash', ' ' . $nama);
            $this->session->set_flashdata('success', 'Berhasil Di di Update!');
            redirect('Kecamatan', 'refresh');
        } else {
            $this->session->set_flashdata('flash', ' ' . $nama);
            $this->session->set_flashdata('unsuccess', 'Gagal Di di Update!');
            redirect('Kecamatan', 'refresh');
        }
    }
}

public function Hapus($id)
{
    $this->kecamatan->deleteData($id);
    if ($this->db->affected_rows() > 0) {
        $this->session->set_flashdata('flash', 'Data Kecamatan');
    }
}

```

```

        $this->session->set_flashdata('success', 'Berhasil Di Hapus');

        redirect('Kecamatan', 'refresh');

    } else {

        $this->session->set_flashdata('flash', 'Data Kecamatan');

        $this->session->set_flashdata('unsuccess', 'Gagal Di Hapus');

        redirect('Kecamatan', 'refresh');

    }

}

}

}

```

<?php

```

defined('BASEPATH') or exit('No direct script access allowed');

```

```

class Laporan extends CI_Controller

```

```

{

    public function __construct()
    {
        parent::__construct();

        $this->load->model('Dataset_model', 'dataset');

        $this->load->model('Kecamatan_model', 'desa');

        $this->load->model('Prediksi_model', 'prediksi');

        check_belum_login();

    }
}

```

```

public function lapDataset($id)
{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Laporan Dataset',
        'row'      => $this->dataset->getAlld($id),
        'nama_file' => 'laporan/view_dataset',
        'desaRow' => $this->desa->getId($id),
        'kode'     => $id,
    ];
    $this->load->view('template/content', $data);
}

```

```

public function printDataset($id)
{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Laporan Dataset',
        'desaRow' => $this->desa->getId($id),
        'row'      => $this->dataset->getAlld($id),
    ];
    $this->load->view('laporan/print_dataset', $data);
}

```

```

public function lapPrediksi($id)

```

```

{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Laporan Prediksi',
        'row'      => $this->prediksi->getAIII($id)->result_array(),
        'nama_file' => 'laporan/view_prediksi',
        'desaRow'   => $this->desa->getId($id),
        'kode'      => $id,
    ];
    $this->load->view('template/content', $data);
}

```

```

public function printPrediksi($id)
{
    $data = [
        'appName' => 'Prediksi Distribusi Air Bersih',
        'appHalaman' => 'Laporan Prediksi',
        'desaRow'   => $this->desa->getId($id),
        'row'      => $this->prediksi->getAIII($id)->result_array(),
    ];
    $this->load->view('laporan/print_prediksi', $data);
}
}

```

<?php

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

```
class Prediksi extends CI_Controller
```

```
{
```

```
    var $st;
```

```
    public function __construct()
```

```
    {
```

```
        parent::__construct();
```

```
        $this->load->model('Prediksi_model', 'mPrediksi');
```

```
        $this->load->model('Dataset_model', 'mDataset');
```

```
        $this->load->model('Kecamatan_model', 'mKecamatan');
```

```
        check_belum_login();
```

```
    }
```

```
    public function index()
```

```
    {
```

```
        $data = [
```

```
            'appName' => 'Prediksi Distribusi Air Bersih',
```

```
            'appHalaman' => 'Prediksi',
```

```
            'rDesa'     => $this->mKecamatan->getAll(),
```

```
            'nama_file' => 'prediksi/add'
```

```
        ];
```

```
        $this->form_validation->set_rules('periode', 'Jumlah Periode :', 'required', [
```

```
            'required' => '%s Belum isi, Silahkan dilengkapi terlebih dahulu!!'
```

```

    ]);

    $this->form_validation->set_rules('desa', 'Nama Kecamatan :', 'required', [
        'required' => '%s Belum ditentukan, Silahkan ditentukan terlebih dahulu!'
    ]);

    $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',
    '</span>');

    if ($this->form_validation->run() == FALSE) {
        $this->load->view('template/content', $data);
    } else {
        $button = $this->input->post('rekam');
        if (isset($button)) {
            $post = $this->input->post(null, true);
            $id_desa = $this->input->post('desa');
            $cek = $this->mPrediksi->getDataset($id_desa)->num_rows();
            if ($cek <= 0 && $cek <= 5) {
                $this->session->set_flashdata('flash', 'Dataset Masih Kosong / Kurang dari 5 Data!');
                $this->session->set_flashdata('success', 'Proses Prediksi tidak dapat dilakukan!');
                redirect('Prediksi', 'refresh');
            }
            $this->prosesPrediksi();
        }
    }
}

```

```

public function simpanPrediksi()
{
    $post = $this->input->post(null, true);
    $button = $this->input->post('simpan');
    if (isset($button)) {
        $this->mPrediksi->insertData($post);
        if ($this->db->affected_rows() > 0) {
            $this->session->set_flashdata('flash', 'Data Hasil Prediksi Distribusi Air Bersih');
            $this->session->set_flashdata('success', 'Berhasil disimpan!');
            redirect('Prediksi', 'refresh');
        } else {
            $this->session->set_flashdata('flash', 'Data Hasil Prediksi Distribusi Air Bersih');
            $this->session->set_flashdata('unsucces', 'Gagal disimpan!');
            redirect('Prediksi', 'refresh');
        }
    }
}

```

jngan

```

public function prosesPrediksi()
{
    $jumlahPeriode = $this->input->post('periode');
    $id_desa = $this->input->post('desa');
    $forecast = $this->mPrediksi->WMA($id_desa, $jumlahPeriode);

```

```

    $nextMonth = $this->mPrediksi->predictNextMonth($id_desa);

    $data = [

        'appName'    => 'Prediksi Penjualan Distribusi',

        'appHalaman' => 'Hasil Prediksi',

        'nRow'       => $forecast['forecast'],

        'mape'       => $forecast['mape'],

        'id_desa'    => $id_desa,

        'jumlahPeriode' => $jumlahPeriode,

        'totalMape'  => isset($result['mape']) ? $result['mape'] : null,

        'accuracy'   => isset($result['mape']) ? (100 - $result['mape']) : null,

        'nextMonth'  => $nextMonth,

        'nRowKecamatan' => $this->mKecamatan->getId($id_desa),

        'nama_file'  => 'prediksi/hasil'

    ];

    $this->load->view('template/content', $data);
}

##jangan

// public function prosesPrediksi()

// {

//     $jumlahPeriode = $this->input->post('periode');

//     $id_desa = $this->input->post('desa');

//     $forecast = $this->mPrediksi->WMA($id_desa, $jumlahPeriode);

```

```

// $totalMape = $this->mPrediksi->calculateMAPE($forecast);

// $accuracy = 100 - $totalMape;


// $data = [
//     'appName' => 'Prediksi Penjualan Distribusi',
//     'appHalaman' => 'Hasil Prediksi',
//     'nRow' => $forecast,
//     'mape' => $totalMape,
//     'totalMape' => isset($totalMape) ? $totalMape : null,
//     'accuracy' => isset($accuracy) ? $accuracy : null,
//     'nama_file' => 'prediksi/hasil'
// ];


// $this->load->view('template/content', $data);
// }

```

```

private function getBulanBerikutnya($jumlah_periode)
{
    $bulan_sekarang = date('n');
    $tahun_sekarang = date('Y');
    $bulan_berikutnya = array();

    for ($i = 1; $i <= $jumlah_periode; $i++) {
        $bulan = $bulan_sekarang + $i;
    }
}

```

```
$tahun = $tahun_sekarang;
```

```
if ($bulan > 12) {
```

```
    $bulan = $bulan - 12;
```

```
    $tahun = $tahun_sekarang + 1;
```

```
}
```

```
$bulan_berikutnya[] = [
```

```
    'bulan' => $bulan,
```

```
    'tahun' => $tahun
```

```
];
```

```
}
```

```
return $bulan_berikutnya;
```

```
}
```

```
}
```

```
<?php
```

```
defined('BASEPATH') OR exit('No direct script access allowed');
```

```
class TestEma extends CI_Controller {
```

```
    public function __construct()
```

```
{
```

```

        parent::__construct();

        $this->load->model('Prediksi_model', 'mPrediksi');

        // $this->load->model('Jenis_model', 'mJenis');

        // $this->load->model('Dataset_model', 'mDataset');

    }

    public function index(){

        $val = $this->mPrediksi->DataTest();

        $values = [];

        foreach ($val as $v) {

            $values[] = $v[2];

        }

        $sema = new Ema();

        //$this->assertSame(9101.36, round($sema->calculate($values)[0], 2));

        $data = round($sema->calculate($values)[0], 2);

        var_dump($data);

    }

}

```

<?php

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

```
class User extends CI_Controller
```

```
{
```

```
    public function __construct()
```

```

{
    parent::__construct();

    $this->load->model('User_model', 'user');

    check_belum_login();
}

public function index()
{
    $data = [
        'appName' => 'Prediksi',
        'appHalaman' => 'Data User',
        'row' => $this->user->getAll(),
        'nama_file' => 'user/index'
    ];

    $this->load->view('template/content', $data);
}

public function Tambah()
{
    $data = [
        'appName' => 'Prediksi',
        'appHalaman' => 'Tambah Data User',
        'nama_file' => 'user/add'
    ];

```

```
$this->form_validation->set_rules('username', 'Nama User :',  
'required|is_unique[tbl_user.username]');  
  
$this->form_validation->set_rules('password', 'Password :', 'required');  
  
$this->form_validation->set_rules('level', 'level :', 'required');  
  
$this->form_validation->set_rules('status', 'status :', 'required');  
  
$this->form_validation->set_message('required', '%s Masih Kosong, Silahkan Di Isi!');  
  
$this->form_validation->set_message('is_unique', '{field} Sudah Ada, Silahkan masukkan  
data lain!');  
  
$this->form_validation->set_error_delimiters('<span class="help-block text-danger">',  
'</span>');
```

```
if ($this->form_validation->run() == FALSE) {  
    $this->load->view('template/content', $data);  
} else {  
    $post = $this->input->post(null, true);  
    $button = $this->input->post('simpan');  
    if (isset($button)) {  
        $this->user->insertData($post);  
        if ($this->db->affected_rows() > 0) {  
            $this->session->set_flashdata('flash', 'Data User');  
            $this->session->set_flashdata('success', 'Berhasil Di Simpan!');  
            redirect('user', 'refresh');  
        } else {  
            $this->session->set_flashdata('flash', 'Data User');  
            $this->session->set_flashdata('success', 'Berhasil Di Simpan!');  
            redirect('user', 'refresh');
```

```
    }  
  }  
}  
}
```

```
public function Edit($id)
```

```
{
```

```
    $data = [
```

```
        'appName' => 'Prediksi',
```

```
        'appHalaman' => 'Rubah Data User',
```

```
        'row' => $this->user->getId($id),
```

```
        'nama_file' => 'user/edit',
```

```
    ];
```

```
    $this->form_validation->set_rules('user', 'Nama User :', 'required|callback_cek_user');
```

```
    $this->form_validation->set_rules('level', 'level :', 'required');
```

```
    $this->form_validation->set_rules('status', 'status :', 'required');
```

```
    $this->form_validation->set_message('required', '%s Masih Kosong, Silahkan Di Isi!');
```

```
    $this->form_validation->set_error_delimiters('<span class="help-block text-danger">',  
'</span>');
```

```
    if ($this->form_validation->run() == FALSE) {
```

```
        $this->load->view('template/content', $data);
```

```
    } else {
```

```
        //edit data
```

```

$post = $this->input->post(null, true);

$button = $this->input->post('edit');

if (isset($button)) {

    $this->user->updateData($post);

    if ($this->db->affected_rows() > 0) {

        $this->session->set_flashdata('flash', 'Data User');

        $this->session->set_flashdata('success', 'Berhasil Di Update!');

        redirect('User', 'refresh');

    } else {

        $this->session->set_flashdata('flash', 'Data User');

        $this->session->set_flashdata('success', 'Berhasil Di Update!');

        redirect('User', 'refresh');

    }

}

}

}

}

public function cek_user($str)

{

    $cId = $this->input->post('id');

    $cusername = $this->input->post('user');

    $query = $this->db->query("SELECT * FROM tbl_user where username='$cusername' && id_user !='$cId'");

    if ($query->num_rows() > 0) {

        $this->form_validation->set_message('cek_user', '{field} sudah ada, silahkan masukkan user lain!');

    }

}

```

```
        $this->form_validation->set_error_delimiters('<span class="help-block text-danger>',
'</span>');

        return false;
    } else {

        return true;

    }
}

public function Hapus($id)
{
    $this->user->deleteData($id);
    if ($this->db->affected_rows() > 0) {

        $this->session->set_flashdata('flash', 'Data User');

        $this->session->set_flashdata('success', 'Data User Berhasil Di Hapus');

        redirect('user', 'refresh');

    } else {

        $this->session->set_flashdata('flash', 'Data User');

        $this->session->set_flashdata('unsuccess', 'Data User Berhasil Di Hapus');

        redirect('user', 'refresh');

    }
}
}
```