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LAMPIRAN

Code controllers login

```
private function _login()
{
    $email = $this->input->post('email');
    $password = $this->input->post('password');

    $user = $this->db->get_where('admin', ['email' =>
$email])->row_array();

    if ($user) {
        // user admin ada
        if ($user) {
            // cek password
            if ($password == $user['password']) {
                $data = [
                    'id' => $user['id'],
                    'name' => $user['name'],
                    'email' => $user['email'],
                    'password' => $user['password'],
                    'nohp' => $user['nohp'],
                    'level' => $user['level']
                ];
                $this->session->set_userdata($data);
                $this->session->set_flashdata('pesan',
'<div class="alert alert-success alert-dismissible fade
show" role="alert">Selamat Datang!<button
                    type="button" class="close" data-
dismiss="alert" aria-label="Close">
```

```

        <span aria-
hidden="true">&times;</span>
        </button>
        </div>');
        redirect('admin/dashboard');
    } else {
        $this->session-
>set_flashdata('message', '<div class="alert alert-danger"
role="alert">Password salah</div>');
        redirect('auth');
    }
}
} else {
// tidak ada user admin
    $this->session->set_flashdata('message', '<div
class="alert alert-danger" role="alert">Email tidak
terdaftar</div>');
    redirect('auth');
}
}

```

Code controllers hasil panen pada admin

```

public function hasil_panen()
{
    $data['title'] = 'Hasil Panen';
    $data['user'] = $this->db->get_where('admin', ['email' =>
$this->session->userdata('email')])->row_array();
    $this->load->model('my_model');
    $data['hasil_panen'] = $this->my_model->getdata_hasilp();
    $data['kecamatan'] = $this->my_model->kecamatan_hasil();

    $this->load->view('templates/header', $data);
}

```

```

        $this->load->view('templates/sidebar_admin', $data);
        $this->load->view('templates/topbar_admin', $data);
        $this->load->view('admin/hasil_panen', $data);
        $this->load->view('templates/footer');
    }
    public function td_hasil()
    {
        $data['title'] = 'Tambah Data';
        $data['user'] = $this->db->get_where('admin', ['email' =>
$this->session->userdata('email')])->row_array();
        $data['hasil_panen'] = $this->my_model->getdata_hasilp();
        $data['hasil_panen'] = $this->my_model-
>getdata('nama_kecamatan')->result();

        $this->load->view('templates/header', $data);
        $this->load->view('templates/sidebar_admin', $data);
        $this->load->view('templates/topbar_admin', $data);
        $this->load->view('admin/tambah_hasil_panen', $data);
        $this->load->view('templates/footer');

    }
    public function tambah_hasil()
    {
        $this->_ruleshasil();
        if ($this->form_validation->run() == FALSE) {
            $this->td_hasil();
        } else {
            $data = array(
                'kecamatan' => $this->input->post('kecamatan'),
                'nama_tahun' => $this->input->post('tahun'),
                'jumlah_hasil' => $this->input->post('hasil'),
            );
            $this->my_model->insert_data_hasil($data, 'hasilp');
            $this->session->set_flashdata('pesan', '<div
class="alert alert-success alert-dismissible fade show"

```



```

}
public function del_hasil($id)
{
    $where = array('id_hasil' => $id);
    $this->my_model->deldata_hasil($where, 'hasilp');
    $this->session->set_flashdata('pesan', '<div class="alert
alert-danger alert-dismissible fade show" role="alert">Data
Berhasil Dihapus!<button type="button" class="close" data-
dismiss="alert" aria-label="Close">
        <span aria-hidden="true">&times;</span>
    </button>
</div>');
    redirect('admin/hasil_panen');
}

```

Code controllers luas lahan admin

```

public function luas_lahan()
{
    $data['title'] = 'Luas Lahan';
    $data['user'] = $this->db->get_where('admin', ['email' =>
$this->session->userdata('email')])->row_array();
    $this->load->model('my_model');
    $data['luas_lahan'] = $this->my_model->getdata_luas();
    $data['kecamatan'] = $this->my_model->kecamatan_name();

    $this->load->view('templates/header', $data);
    $this->load->view('templates/sidebar_admin', $data);
    $this->load->view('templates/topbar_admin', $data);
    $this->load->view('admin/luas_lahan',);
    $this->load->view('templates/footer');
}
public function td_luas()
{
    $data['title'] = 'Tambah Data';
}

```



```

        $data['user'] = $this->db->get_where('admin', ['email' =>
$this->session->userdata('email')])->row_array();
        $data['luas_lahan'] = $this->my_model->getdata_luas();
        $data['luas_lahan'] = $this->my_model-
>getdata('nama_kecamatan')->result();

        $this->load->view('templates/header', $data);
        $this->load->view('templates/sidebar_admin', $data);
        $this->load->view('templates/topbar_admin', $data);
        $this->load->view('admin/tambah_luas', $data);
        $this->load->view('templates/footer');

    }
    public function tambah_luas()
    {
        $this->_rulesluas();
        if ($this->form_validation->run() == FALSE) {
            $this->td_luas();
        } else {
            $data = array(
                'kecamatan' => $this->input->post('kecamatan'),
                'tahun' => $this->input->post('tahun'),
                'luas' => $this->input->post('luas'),
            );
            $this->my_model->insert_data_luas($data, 'luas1');
            $this->session->set_flashdata('pesan', '<div
class="alert alert-success alert-dismissible fade show"
role="alert">Data Berhasil Ditambahkan!<button type="button"
class="close" data-dismiss="alert" aria-label="Close">
            <span aria-hidden="true">&times;</span>
            </button>
            </div>');
            redirect('admin/luas_lahan');
        }
    }
    public function edit_luas($id)

```

```

{
    $this->_rulesluas();
    if ($this->form_validation->run() == FALSE) {
        $this->luas_lahan();
    } else {
        $data = array(
            'id_luas' => $id,
            'kecamatan' => $this->input->post('kecamatan'),
            'tahun' => $this->input->post('tahun'),
            'luas' => $this->input->post('luas'),
        );
        $this->my_model->update_data_luas($data, 'luas1');
        $this->session->set_flashdata('pesan', '<div
class="alert alert-success alert-dismissible fade show"
role="alert">Data Berhasil Diubah!<button type="button"
class="close" data-dismiss="alert" aria-label="Close">
    <span aria-hidden="true">&times;</span>
    </button>
</div>');
        redirect('admin/luas_lahan');
    }
}

public function _rulesluas()
{
    $this->form_validation->set_rules('kecamatan',
'Kecamatan', 'required', array('required' => '%s Harus Diisi !'));
    $this->form_validation->set_rules('tahun', 'Tahun',
'required', array('required' => '%s Harus Diisi !'));
    $this->form_validation->set_rules('luas', 'Luas Lahan',
'required', array('required' => '%s Harus Diisi !'));
}

public function del_luas($id)
{
    $where = array('id_luas' => $id);
    $this->my_model->deldata_hasil($where, 'luas1');
}

```

```

        $this->session->set_flashdata('pesan', '<div class="alert
alert-danger alert-dismissible fade show" role="alert">Data
Berhasil Dihapus!<button type="button" class="close" data-
dismiss="alert" aria-label="Close">
        <span aria-hidden="true">&times;</span>
        </button>
    </div>');
        redirect('admin/luas_lahan');
    }

```

Code controllers grafik

```

public function grafikluashasil()
{
    $data['title'] = 'grafik';
    $data['list_tahun'] = $this->my_model->tahun_grafik();

    $this->load->view('templates/header', $data);
    $this->load->view('templates/sidebar');
    $this->load->view('templates/topbar');
    $this->load->view('user/grafikluashasil', $data);
    $this->load->view('templates/footer');
}

public function data_grafik(){
    $filter = $this->input->post('filter');
    $data = $this->my_model->grafikluashasil($filter);
    echo json_encode($data);
}

```

Model hasil panen admin

```

public function getdata_hasilp(){
    $this->db->select('*');
    $this->db->from ('hasilp');
    $this->db->join('nama_kecamatan',
'nama_kecamatan.id_kecamatan = hasilp.kecamatan');
}

```

```

        return $this->db->get()->result();
    }

    public function insert_data_hasil($data, $table){
        $this->db->insert($table, $data);
    }
    public function update_data_hasil($data, $table)
    {
        // $this->db->where('id_hasilp', $data['id_hasilp']);
        $this->db->where('id_hasil', $data['id_hasil']);
        $this->db->update($table, $data);
    }
    public function deldata_hasil($where, $table)
    {
        $this->db->where($where);
        $this->db->delete($table);
    }
}

```

Model luas lahan admin

```

public function getdata_luas(){
    $this->db->select('*');
    $this->db->from ('luas1');
    $this->db->join('nama_kecamatan',
'nama_kecamatan.id_kecamatan = luas1.kecamatan');
    return $this->db->get()->result();
}

    public function insert_data_luas($data, $table){
        $this->db->insert($table, $data);
    }

    public function update_data_luas($data, $table)
    {
        $this->db->where('id_luas', $data['id_luas']);
        $this->db->update($table, $data);
    }
}

```

```

    }

    public function deldata_luas($where, $table)
    {
        $this->db->where($where);
        $this->db->delete($table);
    }

```

Code grafik

```

<script>
    var chartBar;
    var chartLine;
    $(document).ready(function() {
        $('#filterSelect').change(function() {
            var selectedFilter = $(this).val();
            getChartData(selectedFilter);
        });

        var defaultFilter = $('#filterSelect').val();
        getChartData(defaultFilter);
    });

    function getChartData(filter) {
        $.ajax({
            url: '<?php echo
base_url('user/data_tren'); ?>',
            type: 'POST',
            data: {
                filter: filter
            },
            dataType: 'json',
            success: function(response) {
                updateChartBar(response);
                updateChartLine(response);
            },

```

```

        error: function(xhr, status, error) {
            console.log(xhr.responseText);
        }
    });
}

function updateChartBar(data) {
    var tahun = [];
    var hasil = [];
    var luas = [];
    for (var i = 0; i < data.length; i++) {
        tahun.push(data[i].tahun);
        hasil.push(data[i].jumlah_hasil);
        luas.push(data[i].luas);
    }
    if (chartBar) {
        // console.log(data);
        chartBar.data.labels = tahun;
        chartBar.data.datasets[0].data = hasil;
        chartBar.data.datasets[1].data = luas;
        chartBar.update();
    } else {
        console.log(data);
        var ctx =
document.getElementById('bar').getContext('2d');
        chartBar = new Chart(ctx, {
            type: 'bar',
            data: {
                labels: tahun,
                datasets: [{
                    label: 'Hasil Panen (Ton)',
                    data: hasil,
                    borderColor:
'rgb(205,92,92)',
                    backgroundColor:
'rgba(205,92,92, 0.5)',

```

```

                fill: true,
                tension: 0.1
            },
            {
                label: 'Luas Lahan (Ha)',
                data: luas,
                borderColor: 'rgb(65, 105,
225)',
                backgroundColor: 'rgba(65,
105, 225, 0.5)',
                fill: true,
                tension: 0.1
            }
        ]
    },
    options: {
        scales: {
            x: {
                display: true,
                title: {
                    display: true,
                    text: 'Tahun'
                }
            },
        }
    }
});
}

function updateChartLine(data) {
    var tahun = [];
    var hasil = [];
    var luas = [];
    for (var i = 0; i < data.length; i++) {
        tahun.push(data[i].tahun);

```

```

        hasil.push(data[i].jumlah_hasil);
        luas.push(data[i].luas);
    }
    if (chartLine) {
        // console.log(data);
        chartLine.data.labels = tahun;
        chartLine.data.datasets[0].data = hasil;
        chartLine.data.datasets[1].data = luas;
        chartLine.update();
    } else {
        console.log(data);
        var ctx =
document.getElementById('line').getContext('2d');
        chartLine = new Chart(ctx, {
            type: 'line',
            data: {
                labels: tahun,
                datasets: [{
                    label: 'Hasil Panen (Ton)',
                    data: hasil,
                    borderColor:
'rgb(205,92,92)',
                    fill: false,
                    tension: 0.1
                },
                {
                    label: 'Luas Lahan (Ha)',
                    data: luas,
                    borderColor: 'rgb(65, 105,
225)',
                    fill: false,
                    tension: 0.1
                }
            ]
        },
        options: {

```



```

        scales: {
            x: {
                display: true,
                title: {
                    display: true,
                    text: 'Tahun'
                }
            },
        }
    });
}
}
</script>

```

Code cuaca/iklim

```

<script>
    const apiKey = "00b1760dcf2b704510459d3eea056260";
    const apiUrl =
"https://api.openweathermap.org/data/2.5/weather?units=metric&q=";

    const searchBox = document.querySelector(".search select");
    const searchBtn = document.querySelector(".search button");
    const weatherIcon = document.querySelector(".weather-icon");

    async function cuaca(daerah) {
        const respon = await fetch(apiUrl + daerah +
`&appid=${apiKey}`);
        var data = await respon.json();

        console.log(data);

        document.querySelector(".daerah").innerHTML = data.name;

```

```

        document.querySelector(".suhu").innerHTML =
Math.round(data.main.temp) + "°C";
        document.querySelector(".kelembaban").innerHTML =
data.main.humidity + "%";
        document.querySelector(".angin").innerHTML =
data.wind.speed + " m/s";

        if (data.weather[0].main == "Clouds") {
            weatherIcon.src = "<?="
base_url('images/clouds.png') ?>";
        } else if (data.weather[0].main == "Clear") {
            weatherIcon.src = "<?="
base_url('images/clear.png') ?>";
        } else if (data.weather[0].main == "Rain") {
            weatherIcon.src = "<?="
base_url('images/rain.png') ?>";
        } else if (data.weather[0].main == "Drizzle") {
            weatherIcon.src = "<?="
base_url('images/drizzle.png') ?>";
        } else if (data.weather[0].main == "Mist") {
            weatherIcon.src = "<?="
base_url('images/mist.png') ?>";
        }
    }

    searchBtn.addEventListener("click", () => {
        cuaca(searchBox.value);
    })
    var chartBar;
    var chartLine;

    $(document).ready(function() {
        // Mendengarkan perubahan pada filterSelect
        $('#filterSelect').change(function() {
            var selectedFilter = $(this).val();
            getChartData(selectedFilter);
        });
    });

```

```
});  
var defaultFilter = $('#filterSelect').val();  
getChartData(defaultFilter);  
});  
  
function getChartData(filter) {  
    $.ajax({  
        url: '<?php echo base_url('user/data_cuaca'); ?>',  
        type: 'POST',  
        data: {  
            filter: filter  
        },  
        dataType: 'json',  
        success: function(response) {  
            updateChartLine(response);  
        },  
        error: function(xhr, status, error) {  
            console.log(xhr.responseText);  
        }  
    });  
}  
  
function updateChartLine(data) {  
    var bulan = [];  
    var temp = [];  
    var wind = [];  
    var humidity = [];  
    for (var i = 0; i < data.length; i++) {  
        bulan.push(data[i].bulan);  
        temp.push(data[i].temp);  
        wind.push(data[i].wind);  
        humidity.push(data[i].humidity);  
    }  
    if (chartLine) {  
        // console.log(data);  
        chartLine.data.labels = bulan;  
    }  
}
```

```

        chartLine.data.datasets[0].data = temp;
        chartLine.data.datasets[1].data = wind;
        chartLine.data.datasets[2].data = humidity;
        chartLine.update();
    } else {
        console.log(data);
        var ctx =
document.getElementById('line').getContext('2d');
        chartLine = new Chart(ctx, {
            type: 'line',
            data: {
                labels: bulan,
                datasets: [{
                    label: 'temperatur (°C)',
                    data: temp,
                    borderColor: 'rgb(205,92,92)',
                    backgroundColor: 'rgba(205,92,92,
0.5)',
                    fill: true,
                    tension: 0.1
                },
                {
                    label: 'Angin (m/s)',
                    data: wind,
                    borderColor: 'rgb(65, 105, 225)',
                    backgroundColor: 'rgba(65, 105, 225,
0.5)',
                    fill: true,
                    tension: 0.1
                },
                {
                    label: 'Kelembaban (%)',
                    data: humidity,
                    borderColor: 'rgb(135, 206, 235)',
                    backgroundColor: 'rgb(135, 206, 235,
0.5)',

```

```
        fill: true,  
        tension: 0.1  
    }  
    ]  
},  
options: {  
    scales: {  
        x: {  
            display: true,  
            title: {  
                display: true,  
                text: 'Bulan'  
            }  
        },  
    }  
    }  
});  
}  
}  
</script>
```