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LAMPIRAN

Lampiran 1. Bahasa Program

```
<?php

namespace App\Models;

use CodeIgniter\Model;
use Exception;

class AktivitasModel extends Model
{
    protected $table = 'aktivitas';
    protected $useTimestamps = true;
    protected $allowedFields = ['tanggal', 'jenis', 'kejadian', 'lokasi', 'jumlah'];

    public function getData($id)
    {
        return $this->where(['id' => $id])->first();
    }

    public function Jumlah($group)
    {
        $builder = $this->db->table('aktivitas');
        $builder->select($group);
        $builder->selectSum('jumlah', 'jumlah');
        $builder->groupBy($group);
        return $builder->get();
    }

    public function Jumlahif()
    {
        $query = "select jenis,
            sum(case when kejadian='Tanaman Keluar' and lokasi='Open Area' then jumlah end ) as
            keluar,
            sum(case when kejadian='Tanaman Mati' and lokasi='Open Area' then jumlah end ) as mati,
            sum(case when kejadian='Tanaman Masuk' and lokasi='Open Area' then jumlah end ) as
            masuk,
            ifnull(sum(case when kejadian='Tanaman Masuk' and lokasi='Open Area' then jumlah end
            ),0)-
            (ifnull(sum(case when kejadian='Tanaman Keluar' and lokasi='Open Area' then jumlah end
            ),0)+
            ifnull(sum(case when kejadian='Tanaman Mati' and lokasi='Open Area' then jumlah end ),0))
            as total
            from aktivitas group by jenis";
        $result = $this->db->query($query)->getResultArray();
        return $result;
        //return $builder->get();
    }
}
```

```

}

public function Jumlahsa()
{
    $query = "select jenis,
sum(case when kejadian='Tanaman Keluar' and lokasi='Shade Area' then jumlah end ) as
keluar,
sum(case when kejadian='Tanaman Mati' and lokasi='Shade Area' then jumlah end ) as mati,
sum(case when kejadian='Tanaman Masuk' and lokasi='Shade Area' then jumlah end ) as
masuk,
ifnull(sum(case when kejadian='Tanaman Masuk' and lokasi='Shade Area' then jumlah end
),0)-
(ifnull(sum(case when kejadian='Tanaman Keluar' and lokasi='Shade Area' then jumlah end
),0)+
ifnull(sum(case when kejadian='Tanaman Mati' and lokasi='Shade Area' then jumlah end ),0))
as total
from aktivitas group by jenis";
$result = $this->db->query($query)->getResultArray();
return $result;
}

public function Jumlahgh()
{
    $query = "select jenis,
sum(case when kejadian='Tanaman Keluar' and lokasi='Greenhouse' then jumlah end ) as
keluar,
sum(case when kejadian='Tanaman Mati' and lokasi='Greenhouse' then jumlah end ) as mati,
sum(case when kejadian='Tanaman Masuk' and lokasi='Greenhouse' then jumlah end ) as
masuk,
ifnull(sum(case when kejadian='Tanaman Masuk' and lokasi='Greenhouse' then jumlah end
),0)-
(ifnull(sum(case when kejadian='Tanaman Keluar' and lokasi='Greenhouse' then jumlah end
),0)+
ifnull(sum(case when kejadian='Tanaman Mati' and lokasi='Greenhouse' then jumlah end
),0)) as total
from aktivitas group by jenis";
$result = $this->db->query($query)->getResultArray();
return $result;
}
}

```

<?php

```
namespace App\Controllers;
```

```
use App\Models\AktivitasModel;
```

```
class Aktivitas extends BaseController
```

```
{
    protected $AktivitasModel;
```

```

public function __construct()
{
    $this->AktivitasModel = new AktivitasModel();
}
public function index()
{

    $data = [
        'title' => 'Aktivitas Tanaman',
        'isi' => 'aktivitas',
        'aktivitas' => $this->AktivitasModel->findAll()
    ];

    return view('layout/v_wrapper', $data);
}
public function tambah()
{
    $data = [
        'title' => 'Form Tambah Data Tanaman',
        'isi' => 'tambah',
        'validation' => \Config\Services::validation()
    ];

    return view('layout/v_wrapper', $data);
}
public function simpan()
{
    if (!$this->validate([
        'tanggal' => 'required',
        'jenis' => 'required',
        'kejadian' => 'required',
        'lokasi' => 'required',
        'jumlah' => 'required',
    ])) {
        return redirect()->to('aktivitas/tambah')->withInput();
    }
    $this->AktivitasModel->save(
        [
            'tanggal' => $this->request->getVar('tanggal'),
            'jenis' => $this->request->getVar('jenis'),
            'kejadian' => $this->request->getVar('kejadian'),
            'lokasi' => $this->request->getVar('lokasi'),
            'jumlah' => $this->request->getVar('jumlah')
        ]
    );
    return redirect()->to('/aktivitas');
}

public function detail($id)
{

```

```

$data = [
    'title' => 'Data Tanaman',
    'isi' => 'detail',
    'validation' => \Config\Services::validation(),
    'aktivitas' => $this->AktivitasModel->getData($id)
];
if (empty($data['aktivitas'])) {
    throw new \CodeIgniter\Exceptions\PageNotFoundException('Halaman yang anda cari
tidak ada!');
}

return view('layout/v_wrapper', $data);
}
public function update($id)
{
    if (!$this->validate([
        'tanggal' => 'required',
        'jenis' => 'required',
        'kejadian' => 'required',
        'lokasi' => 'required',
        'jumlah' => 'required',
    ])) {
        return redirect()->to('aktivitas/detail/' . $id)->withInput();
    }
    $this->AktivitasModel->save(
        [
            'id' => $id,
            'tanggal' => $this->request->getVar('tanggal'),
            'jenis' => $this->request->getVar('jenis'),
            'kejadian' => $this->request->getVar('kejadian'),
            'lokasi' => $this->request->getVar('lokasi'),
            'jumlah' => $this->request->getVar('jumlah')
        ]
    );
    return redirect()->to('/aktivitas');
}
public function hapus($id)
{
    $this->AktivitasModel->delete($id);

    return redirect()->to('/aktivitas');
}
}
<div class="container">
    <div class="row">
        <div class="col">
            <h1>Data Aktivitas Tanaman</h1>
            <a href="<?= base_url('aktivitas/tambah') ?>" class="btn btn-
primary">Tambah</a>
            <table id="example" class="table table-bordered table-striped">

```

```

<thead>
  <tr>
    <th>No</th>
    <th>Tanggal</th>
    <th>Kejadian</th>
    <th>Lokasi</th>
    <th>Jumlah</th>
    <th>Aksi</th>
  </tr>
</thead>
<tbody>
  <?php $i = 1; ?>
  <?php foreach ($aktivitas as $a) : ?>
    <tr>
      <td><?= $i++; ?></td>
      <td><?= $a['tanggal']; ?></td>
      <td><?= $a['kejadian']; ?></td>
      <td><?= $a['lokasi']; ?></td>
      <td><?= $a['jumlah']; ?></td>
      <td><a href="aktivitas/detail/<?= $a['id'] ?>" class="btn btn-
info">Detail</a></td>
    </tr>
  <?php endforeach; ?>
</tbody>
<tfoot>
  <tr>
    <th>No</th>
    <th>Tanggal</th>
    <th>Kejadian</th>
    <th>Lokasi</th>
    <th>Jumlah</th>
    <th>Aksi</th>
  </tr>
</tfoot>
</table>
</div>
</div>
</div>

```