

## LAMPIRAN

### Source Code Halaman Produk

```

<?php

use app\models\Produk;
use yii\helpers\Html;
use yii\helpers\Url;
use yii\grid\ActionColumn;
use yii\grid\GridView;
use yii\widgets\ActiveForm;

/** @var yii\web\View $this */
/** @var app\models\search\ProdukSearch $searchModel */
/** @var yii\data\ActiveDataProvider $dataProvider */

$this->title = 'Produk';
?>
<div class="produk-index">

    <h1><?= Html::encode($this->title) ?></h1>

    <p>
        <button class="btn btn-primary" data-toggle="modal" data-
target="#upload-data"><i class="fa fa-fw fa-upload"></i> Import
Data</button>
    </p>

    <div class="box box-warning"><div class="box-body">
    <?= GridView::widget([
        'dataProvider' => $dataProvider,
        'filterModel' => $searchModel,
        'columns' => [
            [
                'attribute'=>'id',
                'headerOptions'=>['style'=>'width:8%'],
            ],
            'nama_produk',
            [
                'class' => 'yii\grid\ActionColumn', 'header'=>'Aksi',
                'template'=> '{update}',
                'buttons' => [
                    'update'=>function($url,$model)
                    {

```

```

        return Html::a('<i class="fa fa-fw fa-pencil"></i> Ubah',
['update','id'=>$model->id], ['class' => 'btn btn-xs btn-primary']);
    },
    ],
    ],
]); ?>
</div></div>

<div class="modal fade" id="upload-data"><div class="modal-dialog">
    <div class="modal-content">
        <div class="modal-header">
            <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
                <span aria-hidden="true">&times;</span></button>
            <h4 class="modal-title"><b>Import Data</b></h4>
        </div>
        <div class="modal-body">
            <?php $form = ActiveForm::begin([
                'options' => [
                    'enctype'=> 'multipart/form-data',
                ],
            ]) ?>
            <?= $form->field($model,'import_file')->fileInput() ?>
            <a href="template/import data produk.xlsx">Download
Format</a><br>
            <?= Html::submitButton('Import',['class'=>'btn btn-success']) ?>
            <?php ActiveForm::end() ?>
        </div>
    </div>
</div></div>
</div>

```

### Source Code Halaman Stok dan Harga

```

<?php

use app\models\HargaStok;
use yii\helpers\Html;
use yii\helpers\Url;
use yii\grid\ActionColumn;
use yii\grid\GridView;
use yii\widgets\ActiveForm;

/** @var yii\web\View $this */

```

```

/** @var app\models\search\HargastokSearch $searchModel */
/** @var yii\data\ActiveDataProvider $dataProvider */

$this->title = 'Stok & Harga';
?>
<div class="harga-stok-index">

    <h1><?= Html::encode($this->title) ?></h1>

    <p>
        <button class="btn btn-primary" data-toggle="modal" data-
target="#upload-data"><i class="fa fa-fw fa-upload"></i> Import
Data</button>
    </p>

    <div class="box box-warning"><div class="box-body"><div
class="table-responsive">
        <?= GridView::widget([
            'dataProvider' => $dataProvider,
            'filterModel' => $searchModel,
            'columns' => [
                ['class' => 'yii\grid\SerialColumn'],
                'nama_produk',
                'tahun',
                'januari',
                'februari',
                'maret',
                'april',
                'mei',
                'juni',
                'juli',
                'agustus',
                'september',
                'oktober',
                // 'november',
                // 'desember',
                'harga',
                [
                    'class' => 'yii\grid\ActionColumn', 'header' => 'Aksi',
                    'template' => '{update}',
                    'buttons' => [
                        'update' => function($url, $model)
                        {
                            return Html::a('<i class="fa fa-fw fa-pencil"></i> Ubah',
[ 'update', 'id' => $model->id ], [ 'class' => 'btn btn-xs btn-primary' ]);
                        },
                    ],
                ],
            ],
        ])
    </div>
    </div>
    </div>

```



```
(produk_id,tahun,harga,januari,februari,maret,april,mei,juni,juli,agustus,
september,oktober,kategori,random_val)
```

```
SELECT
  a.produk_id,
  a.tahun,
  a.harga,
  a.januari,
  a.februari,
  a.maret,
  a.april,
  a.mei,
  a.juni,
  a.juli,
  a.agustus,
  a.september,
  a.oktober,
```

```
IF((a.harga+a.januari+a.februari+a.maret+a.april+a.mei+a.juni+a.juli+a.
agustus+a.september+a.oktober) > 5,1,0) AS kategori,
  a.random_val
```

```
FROM(
  SELECT
    a.produk_id,
    a.tahun,
    MAX(IF(a.harga>=c.nilai_awal &&
a.harga<=c.nilai_akhir,c.nilai,'0')) AS harga,
    MAX(IF(a.januari>=b.nilai_awal &&
a.januari<=b.nilai_akhir,b.nilai,'0')) AS januari,
    MAX(IF(a.februari>=b.nilai_awal &&
a.februari<=b.nilai_akhir,b.nilai,'0')) AS februari,
    MAX(IF(a.maret>=b.nilai_awal &&
a.maret<=b.nilai_akhir,b.nilai,'0')) AS maret,
    MAX(IF(a.april>=b.nilai_awal &&
a.april<=b.nilai_akhir,b.nilai,'0')) AS april,
    MAX(IF(a.mei>=b.nilai_awal &&
a.mei<=b.nilai_akhir,b.nilai,'0')) AS mei,
    MAX(IF(a.juni>=b.nilai_awal &&
a.juni<=b.nilai_akhir,b.nilai,'0')) AS juni,
    MAX(IF(a.juli>=b.nilai_awal &&
a.juli<=b.nilai_akhir,b.nilai,'0')) AS juli,
    MAX(IF(a.agustus>=b.nilai_awal &&
a.agustus<=b.nilai_akhir,b.nilai,'0')) AS agustus,
    MAX(IF(a.september>=b.nilai_awal &&
a.september<=b.nilai_akhir,b.nilai,'0')) AS september,
```

```

        MAX(IF(a.oktober>=b.nilai_awal &&
a.oktober<=b.nilai_akhir,b.nilai,'0')) AS oktober,
        a.random_val
    FROM id_harga_stok a
    JOIN(
        SELECT a.kategori_id,b.nilai,a.nilai_awal,a.nilai_akhir
    FROM id_set_kategori_d a
        INNER JOIN id_set_kategori b ON b.id=a.kategori_id
        WHERE a.keterangan='stok'
    )b
    JOIN(
        SELECT a.kategori_id,b.nilai,a.nilai_awal,a.nilai_akhir
    FROM id_set_kategori_d a
        INNER JOIN id_set_kategori b ON b.id=a.kategori_id
        WHERE a.keterangan='harga'
    )c
    GROUP BY a.produk_id
)a
")->execute();

// insert data min-max
Yii::$app->db->createCommand("
    INSERT INTO id_normalisasi_minmax
(jenis,tahun,harga,januari,februari,maret,april,mei,juni,juli,agustus,september,
    oktober,november,desember)
    SELECT a.* FROM(
    SELECT
        'minimal' AS jenis,
        a.tahun,
        MIN(a.harga) AS harga,
        MIN(a.januari) AS januari,
        MIN(a.februari) AS februari,
        MIN(a.maret) AS maret,
        MIN(a.april) AS april,
        MIN(a.mei) AS mei,
        MIN(a.juni) AS juni,
        MIN(a.juli) AS juli,
        MIN(a.agustus) AS agustus,
        MIN(a.september) AS september,
        MIN(a.oktober) AS oktober,
        MIN(a.november) AS november,
        MIN(a.desember) AS desember
    FROM id_inisialisasi a
    UNION ALL

```

```

SELECT
    'maximal' AS jenis,
    a.tahun,
    MAX(a.harga) AS harga,
    MAX(a.januari) AS januari,
    MAX(a.februari) AS februari,
    MAX(a.maret) AS maret,
    MAX(a.april) AS april,
    MAX(a.mei) AS mei,
    MAX(a.juni) AS juni,
    MAX(a.juli) AS juli,
    MAX(a.agustus) AS agustus,
    MAX(a.september) AS september,
    MAX(a.oktober) AS oktober,
    MAX(a.november) AS november,
    MAX(a.desember) AS desember
FROM id_inisialisasi a
)a
")->execute();

//insert normalisasi
Yii::$app->db->createCommand("
INSERT INTO id_normalisasi
(produk_id,tahun,harga,januari,februari,maret,april,mei,juni,juli,agustus,
september,oktober,kategori,random_val)
SELECT
    a.produk_id,
    a.tahun,
    (a.harga-b.harga)/(c.harga-b.harga) AS harga,
    (a.januari-b.januari)/(c.januari-b.januari) AS januari,
    (a.februari-b.februari)/(c.februari-b.februari) AS februari,
    (a.maret-b.maret)/(c.maret-b.maret) AS maret,
    (a.april-b.april)/(c.april-b.april) AS april,
    (a.mei-b.mei)/(c.mei-b.mei) AS mei,
    (a.juni-b.juni)/(c.juni-b.juni) AS juni,
    (a.juli-b.juli)/(c.juli-b.juli) AS juli,
    (a.agustus-b.agustus)/(c.agustus-b.agustus) AS agustus,
    (a.september-b.september)/(c.september-b.september) AS
september,
    (a.oktober-b.oktober)/(c.oktober-b.oktober) AS oktober,
    a.kategori,
    a.random_val
FROM id_inisialisasi a
JOIN(
SELECT

```

```

harga,januari,februari,maret,april,mei,juni,juli,agustus,september,oktobe
r
        FROM id_normalisasi_minmax
        WHERE jenis='minimal'
    )b
    JOIN(
        SELECT
harga,januari,februari,maret,april,mei,juni,juli,agustus,september,oktobe
r
        FROM id_normalisasi_minmax
        WHERE jenis='maximal'
    )c
    GROUP BY a.produk_id
    ")->execute();
    return "";
}

```

#### Source Code Halaman Pengujian (Depan)

```

<?php
use app\models\Pengujian;
use yii\helpers\Html;
use yii\helpers\Url;
use yii\grid\ActionColumn;
use yii\grid\GridView;

/** @var yii\web\View $this */
/** @var app\models\search\PengujianSearch $searchModel */
/** @var yii\data\ActiveDataProvider $dataProvider */

$this->title = 'Pengujian';
?>
<div class="pengujian-index">

    <h1><?= Html::encode($this->title) ?></h1>

    <p>
        <?= Html::a('<i class="fa fa-fw fa-plus-square"></i> Tambah
        Pengujian', ['create'], ['class' => 'btn btn-success']) ?>
    </p>

    <div class="box box-warning"><div class="box-body">

```



```

<?= GridView::widget([
    'dataProvider' => $dataProvider,
    'filterModel' => $searchModel,
    'columns' => [
        'id',
        [
            'attribute'=>'proporsi_id',
            'value'=>function($model){
                $data = $model->getInfoProporsi($model->proporsi_id);
                return '('.$data['id'].') Data Latih : '.$data['data_latih'].' ;
                Data Uji : '.$data['data_uji'].' ;
            }
        ],
        [
            'class' => 'yii\grid\ActionColumn', 'header'=>'Aksi',
            'template'=>'{view}',
            'buttons' => [
                'view'=>function($url,$model)
                {
                    return Html::a('<i class="fa fa-fw fa-eye"></i> Detail',
                ['view','id'=>$model->id], ['class' => 'btn btn-xs btn-primary']);
                },
            ]
        ],
    ],
]); ?>
</div></div>
</div>

```

#### Source Code Halaman Pengujian (Tambah Data)

```

public function insertNormalisasiSet($id){

    $sql = Pengujian::find()->where(['id'=>$id])->one();

    $sql2 = Yii::$app->db->createCommand("
        SELECT * FROM id_proporsi WHERE
        id='".$sql['proporsi_id']."'
    ")->queryOne();

    $limit = $sql2['data_latih'];
    $fold = $sql2['fold'];

    Yii::$app->db->createCommand("
        INSERT INTO id_normalisasi_set

```

```
(pengujian_id,no_subset,no_urut_subset,produk_id,tahun,harga,januari,februari,
```

```
maret,april,mei,juni,juli,agustus,september,oktober,random_val)
```

```
SELECT
```

```
    ".$id." AS pengujian_id,
```

```
    a.subset,
```

```
    a.no_urut,
```

```
    a.produk_id,
```

```
    a.tahun,
```

```
    a.harga,
```

```
    a.januari,
```

```
    a.februari,
```

```
    a.maret,
```

```
    a.april,
```

```
    a.mei,
```

```
    a.juni,
```

```
    a.juli,
```

```
    a.agustus,
```

```
    a.september,
```

```
    a.oktober,
```

```
    a.random_val
```

```
FROM(
```

```
    SELECT
```

```
        @sub AS subset,
```

```
        @nourut AS no_urut,
```

```
        a.*,
```

```
        @sub := IF(@nourut >= b.fold, @sub+1, @sub) AS s,
```

```
        @nourut := IF(@nourut >= b.fold, 1, @nourut+1) AS a
```

```
    FROM id_normalisasi a
```

```
    JOIN(
```

```
        SELECT @nourut := 1,@sub := 1,fold FROM id_proporsi
```

```
        WHERE id=".$sql['proporsi_id'].")
```

```
    )b
```

```
    ORDER BY a.random_val ASC
```

```
    LIMIT ".$limit."
```

```
)a
```

```
")->execute();
```

```
Yii::$app->db->createCommand("
```

```
    INSERT INTO id_jarak
```

```
(normalisasi_set_id,normalisasi_set_id_b,jarak)
```

```
SELECT
```

```
    a.normalisasi_set_id,
```

```
    a.normalisasi_set_id_b,
```

```
    a.jarak
```

```

FROM(
  SELECT
    a.id AS normalisasi_set_id,
    b.id AS normalisasi_set_id_b,
    a.no_subset,
    b.no_subset AS no_subset_b,
    ROUND(SQRT(POW((a.januari-
b.januari),2)+POW((a.februari-b.februari),2)+
    POW((a.maret-b.maret),2)+POW((a.april-
b.april),2)+POW((a.mei-b.mei),2)+
    POW((a.juni-b.juni),2)+POW((a.juli-
b.juli),2)+POW((a.agustus-b.agustus),2)+
    POW((a.september-b.september),2)+POW((a.oktober-
b.oktober),2)+
    POW((a.harga-b.harga),2)),6) AS jarak
  FROM id_normalisasi_set a
  JOIN(
    SELECT
id,no_subset,harga,januari,februari,maret,april,mei,juni,juli,agustus,sept
ember,oktober
    FROM id_normalisasi_set
    WHERE pengujian_id='".$Sid.'"
  )b
  WHERE a.pengujian_id='".$Sid.'"
  HAVING a.no_subset != b.no_subset
  ORDER BY a.no_subset ASC,a.no_urut_subset ASC,b.id
ASC
  LIMIT 10000000000
  )a
")->execute();

$sql_set = Yii::$app->db->createCommand("
  SELECT id FROM id_normalisasi_set WHERE
pengujian_id='".$Sid.'"
")->queryAll();

foreach ($sql_set as $data) {
  $Sid_normalisasi = $data['id'];

  Yii::$app->db->createCommand("
  INSERT INTO id_nilai_k
(pengujian_id,nilai_k,jarak_id,normalisasi_set_id,normalisasi_set_id_b,j
arak,kategori)
  SELECT a.* FROM(

```

```

SELECT a.* FROM(
  SELECT
    b.pengujian_id,
    '1' AS k_val,
    a.id AS jarak_id,
    a.normalisasi_set_id,
    a.normalisasi_set_id_b,
    a.jarak,
    c.kategori
  FROM id_jarak a
  INNER JOIN id_normalisasi_set b ON
b.id=a.normalisasi_set_id_b
  INNER JOIN id_normalisasi c ON
c.produk_id=b.produk_id
  WHERE a.normalisasi_set_id=".$id_normalisasi." AND
b.pengujian_id=".$id."
  ORDER BY a.jarak ASC,b.no_subset
ASC,b.no_urut_subset ASC
  LIMIT 1
)a
UNION ALL
SELECT a.* FROM(
  SELECT
    b.pengujian_id,
    '3' AS k_val,
    a.id AS jarak_id,
    a.normalisasi_set_id,
    a.normalisasi_set_id_b,
    a.jarak,
    c.kategori
  FROM id_jarak a
  INNER JOIN id_normalisasi_set b ON
b.id=a.normalisasi_set_id_b
  INNER JOIN id_normalisasi c ON
c.produk_id=b.produk_id
  WHERE a.normalisasi_set_id=".$id_normalisasi." AND
b.pengujian_id=".$id."
  ORDER BY a.jarak ASC,b.no_subset
ASC,b.no_urut_subset ASC
  LIMIT 3
)a
UNION ALL
SELECT a.* FROM(
  SELECT
    b.pengujian_id,
    '5' AS k_val,

```

```

        a.id AS jarak_id,
        a.normalisasi_set_id,
        a.normalisasi_set_id_b,
        a.jarak,
        c.kategori
    FROM id_jarak a
    INNER JOIN id_normalisasi_set b ON
b.id=a.normalisasi_set_id_b
    INNER JOIN id_normalisasi c ON
c.produk_id=b.produk_id
    WHERE a.normalisasi_set_id=".$id_normalisasi." AND
b.pengujian_id=".$id."
    ORDER BY a.jarak ASC,b.no_subset
ASC,b.no_urut_subset ASC
    LIMIT 5
)a
UNION ALL
SELECT a.* FROM(
    SELECT
        b.pengujian_id,
        '7' AS k_val,
        a.id AS jarak_id,
        a.normalisasi_set_id,
        a.normalisasi_set_id_b,
        a.jarak,
        c.kategori
    FROM id_jarak a
    INNER JOIN id_normalisasi_set b ON
b.id=a.normalisasi_set_id_b
    INNER JOIN id_normalisasi c ON
c.produk_id=b.produk_id
    WHERE a.normalisasi_set_id=".$id_normalisasi." AND
b.pengujian_id=".$id."
    ORDER BY a.jarak ASC,b.no_subset
ASC,b.no_urut_subset ASC
    LIMIT 7
)a
)a
")->execute();

}

return "";
}

```

**Source Code Halaman Pengujian (Detail)**

```

<?php

use yii\helpers\Html;
use yii\widgets\DetailView;

/** @var yii\web\View $this */
/** @var app\models\Pengujian $model */

$this->title = 'Pengujian '.$model->id;
\yii\web\YiiAsset::register($this);
?>
<div class="pengujian-view">

    <h1><?= Html::encode($this->title) ?></h1>

    <div class="box box-warning"><div class="box-body">
    <?php $dataDetailssubsetUji = $model->getDetailssubset($model-
    >id,2) ?>
    <p style="font-weight:bold;">Data Uji</p>
    <p><?= Html::a('<i class="fa fa-fw fa-table"></i> Perhitungan Jarak',
    ['jarak','id'=>$model->id,'no_subset'=>2], ['class' => 'btn btn-xs btn-
    primary']); ?></p>
    <table class="table table-bordered table-hover">
    <thead>
    <tr class="bg-warning">
    <th style="width:10%;vertical-align: middle;"
    rowspan="2">ID Produk</th>
    <th style="width:30%;vertical-align: middle;"
    rowspan="2">Produk</th>
    <th style="width:10%;vertical-align: middle;"
    rowspan="2">Kategori</th>
    <th style="width:50%;text-align: center;"
    colspan="5">Akurasi MKNN</th>
    </tr>
    <tr class="bg-warning">
    <th style="width:10%;text-align: center;">K=1</th>
    <th style="width:10%;text-align: center;">K=3</th>
    <th style="width:10%;text-align: center;">K=5</th>
    <th style="width:10%;text-align: center;">K=7</th>
    <th style="width:10%;text-align: center;">K=9</th>
    </tr>
    </thead>
    <tbody>
    <?php foreach($dataDetailssubsetUji as $dataD): ?>
    <tr>
    <td><?= $dataD['id'] ?></td>

```

```

        <td><?= $dataD['nama_produk'] ?></td>
        <td><?= $dataD['kategori'] ?></td>
        <td bgcolor="<?=
($dataD['kategori']!=<?= $dataD['kategori_k1']?'yellow:') ?>"><?=
$<?= $dataD['kategori_k1'] ?></td>
        <td bgcolor="<?=
($dataD['kategori']!=<?= $dataD['kategori_k3']?'yellow:') ?>"><?=
$<?= $dataD['kategori_k3'] ?></td>
        <td bgcolor="<?=
($dataD['kategori']!=<?= $dataD['kategori_k5']?'yellow:') ?>"><?=
$<?= $dataD['kategori_k5'] ?></td>
        <td bgcolor="<?=
($dataD['kategori']!=<?= $dataD['kategori_k7']?'yellow:') ?>"><?=
$<?= $dataD['kategori_k7'] ?></td>
        <td bgcolor="<?=
($dataD['kategori']!=<?= $dataD['kategori_k9']?'yellow:') ?>"><?=
$<?= $dataD['kategori_k9'] ?></td>
    </tr>
<?php endforeach ?>
</tbody>
</table>
</div></div>

<div class="box box-warning"><div class="box-body">
<?php $dataDetailsubset = $model->getDetailsubset($model->id,1)
?>
<p style="font-weight:bold;">Data Latih</p>
<p><?= Html::a('<i class="fa fa-fw fa-table"></i> Perhitungan Jarak',
['jarak','id'=>$model->id,'no_subset'=>1], ['class' => 'btn btn-xs btn-
primary']); ?></p>
<table class="table table-bordered table-hover">
    <thead>
    <tr class="bg-warning">
    <th style="width:18%">ID Produk</th>
    <th style="width:64%">Produk</th>
    <th style="width:18%">Kategori</th>
    </tr>
    </thead>
    <tbody>
    <?php foreach($dataDetailsubset as $dataD): ?>
    <tr>
    <td><?= $dataD['id'] ?></td>
    <td><?= $dataD['nama_produk'] ?></td>
    <td><?= $dataD['kategori'] ?></td>
    </tr>
    <?php endforeach ?>

```

```

        </tbody>
    </table>
</div></div>

</div>

```

### Source Code Halaman Pengujian (Perhitungan Jarak)

```

<?php

use yii\helpers\Html;
use yii\widgets\DetailView;

/** @var yii\web\View $this */
/** @var app\models\Pengujian $model */

$this->title = 'Perhitungan Jarak';
\yii\web\YiiAsset::register($this);
?>
<div class="pengujian-view">

    <h1>
        <i class="fa fa-fw fa-chevron-circle-left" title="back"
onclick="location.href='index.php?r=pengujian/view&id=<?=$
_GET['id'] ?>'></i>
        <?= Html::encode($this->title) ?>
    </h1>
    <h4>Pengujian Ke - <?= $_GET['id'] ?></h4>
    <h4><?= ($_GET['no_subset']==2?'Data Uji - Data Latih':'Data Latih
- Data Latih') ?></h4>

    <?php foreach($dataJarakSet as $data): ?>
    <?php
        $dataJarak = $model->getJarak($_GET['id'],$data['id']);
        $dataValid = $model-
>getValiditas($_GET['id'],$data['produk_id']);
        ?>
        <div class="box box-warning"><div class="box-body">
            <p style="font-weight: bold">Produk : <?= $data['nama_produk'] ?>
(ID : <?= $data['produk_id'] ?>) <br>
            Kategori : <?= $data['label_kategori'] ?> </p>
            <?php if ($_GET['no_subset'] == '2'): ?>
            <p>
                <?= Html::a('<i class="fa fa-fw fa-database"></i> Hasil
Perhitungan Weight', ['weight','id'=>$model-

```



```

>id,'produk_id'=>$data['produk_id']], ['class' => 'btn btn-xs btn-
primary']); ?>
</p>
<?php endif ?>
<div class="table-responsive">
<table class="table table-bordered table-hover">
<thead>
<tr class="bg-orange">
<th style="width: 11%">K =</th>
<th style="width: 89%">Nilai Validitas</th>
</tr>
</thead>
<tbody>
<?php foreach($dataValid as $data_v): ?>
<tr>
<td>K = <?= $data_v['nilai_k'] ?></td>
<td><?= $data_v['nilai_validitas'] ?></td>
</tr>
<?php endforeach ?>
</tbody>
</table>
</div>

<p style="font-weight: bold">Jarak</p>
<div class="table-responsive" style="height: 500px;overflow:
scroll;">
<table class="table table-bordered table-hover">
<thead style="top:0px;position: sticky;">
<tr class="bg-orange">
<th style="width: 10%">ID Produk</th>
<th style="width: 40%">Produk</th>
<th style="width: 10%">Jarak</th>
<th style="width: 5%">K=1</th>
<th style="width: 5%">K=3</th>
<th style="width: 5%">K=5</th>
<th style="width: 5%">K=7</th>
<th style="width: 5%">K=9</th>
</tr>
</thead>
<tbody>
<?php foreach($dataJarak as $dataD): ?>
<tr>
<td><?= $dataD['produk_id'] ?></td>
<td><?= $dataD['nama_produk'] ?></td>
<td><?= $dataD['jarak'] ?></td>
<td><?= $dataD['k1'] ?></td>

```

```

        <td><?= $dataD['k3'] ?></td>
        <td><?= $dataD['k5'] ?></td>
        <td><?= $dataD['k7'] ?></td>
        <td><?= $dataD['k9'] ?></td>
    </tr>
<?php endforeach ?>
</tbody>
</table>
</div></div></div>
<?php endforeach ?>
</div>

```

### Source Code Halaman Pengujian (Perhitungan Weight)

```

<?php
use yii\helpers\Html;
use yii\widgets\DetailView;

/** @var yii\web\View $this */
/** @var app\models\Pengujian $model */

$this->title = 'Perhitungan Weight';
\yii\web\YiiAsset::register($this);
?>
<div class="pengujian-view">

    <h1>
        <i class="fa fa-fw fa-chevron-circle-left" title="back"
onclick="location.href='index.php?r=pengujian/jarak&id=<?=
$_GET['id'] ?>&no_subset=2"'></i>
        <?= Html::encode($this->title) ?>
    </h1>
    <h4>Produk : <?= $modelProduk->nama_produk." (".$modelProduk-
>id.)" ?></h4>

    <div class="box box-warning"><div class="box-body"><div
class="table-responsive">
    <p style="font-weight:bold;">Weight 1N</p>
    <table class="table table-bordered table-hover">
        <thead class="bg-orange">
            <tr>
                <th style="width: 10%">No.</th>
                <th style="width: 10%">ID</th>
                <th style="width: 50%">Produk</th>
                <th style="width: 15%">Weight</th>

```

```

        <th style="width: 15%">Kategori</th>
    </tr>
</thead>
<tbody>
<?php $dataw1 = $model-
>getWeight($_GET['id'],1,$modelProduk->id); ?>
<?php foreach($dataw1 as $data): ?>
    <tr>
        <td><?= $data['ranking'] ?></td>
        <td><?= $data['produk_id'] ?></td>
        <td><?= $data['nama_produk'] ?></td>
        <td><?= $data['weight'] ?></td>
        <td><?= $data['kategori'] ?></td>
    </tr>
<?php endforeach ?>
</tbody>
</table>
</div></div></div>

<div class="box box-warning"><div class="box-body"><div
class="table-responsive">
<p style="font-weight:bold;">Weight 3N</p>
<table class="table table-bordered table-hover">
    <thead class="bg-orange">
        <tr>
            <th style="width: 10%">No.</th>
            <th style="width: 10%">ID</th>
            <th style="width: 50%">Produk</th>
            <th style="width: 15%">Weight</th>
            <th style="width: 15%">Kategori</th>
        </tr>
    </thead>
    <tbody>
<?php $dataw3 = $model-
>getWeight($_GET['id'],3,$modelProduk->id); ?>
<?php foreach($dataw3 as $data): ?>
    <tr>
        <td><?= $data['ranking'] ?></td>
        <td><?= $data['produk_id'] ?></td>
        <td><?= $data['nama_produk'] ?></td>
        <td><?= $data['weight'] ?></td>
        <td><?= $data['kategori'] ?></td>
    </tr>
<?php endforeach ?>
</tbody>
</table>

```

```

</div></div></div>

<div class="box box-warning"><div class="box-body"><div
class="table-responsive">
<p style="font-weight:bold;">Weight 5N</p>
<table class="table table-bordered table-hover">
  <thead class="bg-orange">
    <tr>
      <th style="width: 10%">No.</th>
      <th style="width: 10%">ID</th>
      <th style="width: 50%">Produk</th>
      <th style="width: 15%">Weight</th>
      <th style="width: 15%">Kategori</th>
    </tr>
  </thead>
  <tbody>
    <?php $dataw5 = $model-
>getWeight($_GET['id'],5,$modelProduk->id); ?>
    <?php foreach($dataw5 as $data): ?>
      <tr>
        <td><?= $data['ranking'] ?></td>
        <td><?= $data['produk_id'] ?></td>
        <td><?= $data['nama_produk'] ?></td>
        <td><?= $data['weight'] ?></td>
        <td><?= $data['kategori'] ?></td>
      </tr>
    <?php endforeach ?>
  </tbody>
</table>
</div></div></div>

<div class="box box-warning"><div class="box-body"><div
class="table-responsive">
<p style="font-weight:bold;">Weight 7N</p>
<table class="table table-bordered table-hover">
  <thead class="bg-orange">
    <tr>
      <th style="width: 10%">No.</th>
      <th style="width: 10%">ID</th>
      <th style="width: 50%">Produk</th>
      <th style="width: 15%">Weight</th>
      <th style="width: 15%">Kategori</th>
    </tr>
  </thead>
  <tbody>

```

```

<?php $dataw7 = $model-
>getWeight($_GET['id'],7,$modelProduk->id); ?>
<?php foreach($dataw7 as $data): ?>
<tr>
<td><?= $data['ranking'] ?></td>
<td><?= $data['produk_id'] ?></td>
<td><?= $data['nama_produk'] ?></td>
<td><?= $data['weight'] ?></td>
<td><?= $data['kategori'] ?></td>
</tr>
<?php endforeach ?>
</tbody>
</table>
</div></div></div>

<div class="box box-warning"><div class="box-body"><div
class="table-responsive">
<p style="font-weight:bold;">Weight 9N</p>
<table class="table table-bordered table-hover">
<thead class="bg-orange">
<tr>
<th style="width: 10%">No.</th>
<th style="width: 10%">ID</th>
<th style="width: 50%">Produk</th>
<th style="width: 15%">Weight</th>
<th style="width: 15%">Kategori</th>
</tr>
</thead>
<tbody>
<?php $dataw9 = $model-
>getWeight($_GET['id'],9,$modelProduk->id); ?>
<?php foreach($dataw9 as $data): ?>
<tr>
<td><?= $data['ranking'] ?></td>
<td><?= $data['produk_id'] ?></td>
<td><?= $data['nama_produk'] ?></td>
<td><?= $data['weight'] ?></td>
<td><?= $data['kategori'] ?></td>
</tr>
<?php endforeach ?>
</tbody>
</table>
</div></div></div>

</div>

```