CHAPTER V

IMPLEMENTATION AND TESTING

5.1 Implementation

Implementation of the system is the implementation phase of the system has been made at the design stage. Implementation aims to translate the design based on the results of the analysis in a language that can be understood by the machine. System using PHP and MySQL, to start the program http://localhost/Kemiskinan/web/index.php type in a web browser and no further guidance.

Figure 5.1.1 Start Program and the index.php code

Displays markers in the form of maps and google maps, here we can also see a provincial destitution data when we click on the marker.

```
var point = new
google.maps.LatLng(parseFloat(msg.Kemiskinan.tblProvinsi[i].x),p
arseFloat(msg.Kemiskinan.tblProvinsi[i].y));
        tanda = new google.maps.Marker({
                position: point,
                map: peta,
                icon: gambar_tanda,
```

```
                                        html: html });
```

5.1.2 Coding to show some provincial destitution data.

```
google.maps.event.addListener(tanda, "dblclick", (function (tanda,i)
{
                    return function() {

                        window.location.href=""+this.html;
                        //infowindow.setContent(msg.Kemiskinan.tb
lProvinsi[i].id);
                        //infowindow.open(peta, tanda);
                        }
                        }) (tanda,i))
```

5.1.3 Data coding to show the overall destitution of the province

```
google.maps.event.addListener(tanda, "click", (function (tanda,i) {
                    return function() {

                        //window.location.href=""+this.html;
                        infowindow.setContent('<div
id="content">'+
```

```
'<div id="siteNotice">'+
'</div>'+
'<h3 id="firstHeading" class="firstHeading">'+msg.Kemiskinan.tblProvinsi[i].nama_provinsi+'</h3>'+
'<div id="bodyContent">'+
'<p>Angka Kota '+msg.Kemiskinan.tblProvinsi[i].angkakota+'</p>'+
'<p>Angka Desa '+msg.Kemiskinan.tblProvinsi[i].angkadesa+'</p>'+
'</div>'+
'</div>');
infowindow.open(peta, tanda);
}
}) (tanda,i));
```

5.1.4 config.php code

Config serves to connect the database in PHP with a database in PHPMyAdmin.

```
<?php
```

```
$user  = 'root';
$pass  = '';
$host  = 'localhost';
$database = 'Kemiskinan';

$sql = mysql_connect($host, $user, $pass);
mysql_select_db($database, $sql);

if (!$sql) {
        die('Could not connect : ' . mysql_errno() .
mysql_error());
}
```

5.1.5 json.php code

Json sql command that will contain the data will appear on the map. For example, granting latitude and longitude contained in the map is taken from json.php.

```
$sql = "SELECT tblProvinsi.id AS 'id', tblProvinsi.nama_provinsi
AS 'nama_provinsi', tblProvinsi.lat AS 'lat', tblProvinsi.long AS
'long', SUM(tblKemiskinan.AngkaKota) AS 'AngkaKota',
SUM(tblKemiskinan.AngkaDesa ) AS 'AngkaDesa',
SUM(tblKemiskinan.Tahun ) AS 'Tahun' from tblProvinsi,
```

tblKemiskinan WHERE tblProvinsi.id = tblKemiskinan.id group by tblProvinsi.id ";

5.1.6 test.php code

Test.php province serves to enter data into a database that we choose when we elect provincial data already exists it will display a warning.

```
$query= mysql_query("insert into tblS SET id= '$id' ") or die(mysql_error());
```

5.1.7 test2.php code

In test2.php provincial data that we have chosen will appear in the form of a table where the table pad contains the provincial destitution data and the amount of the provincial destitution.

```
$select="SELECT AngkaKota, AngkaDesa, Tahun from tblKemiskinan where id= '$id' order by Tahun ASC ";
```

5.1.8 grafik.php code

Grafik.php displays total destitution data for each province we choose in the form of graphs.

```
<html>
    <head>
<script src="js/jquery.min.js" type="text/javascript"></script>
```

```
<script src="js/highcharts.js" type="text/javascript"></script>
<script type="text/javascript">
        var chart1; // globally available
$(document).ready(function() {
     chart1 = new Highcharts.Chart({
        chart: {
          renderTo: 'container',
          type: 'column'
        },
        title: {
          text: 'Grafik Kemiskinan '
        },
        xAxis: {
          categories: ['Nama Provinsi']
        },
        yAxis: {
          title: {
            text: 'Data Kemiskinan'
          }
        },
            series:
          [
```

```
<?php
include('config.php');
$sql = "SELECT tblS.id AS 'id', tblProvinsi.nama_provinsi AS 'nama_provinsi' from tblS inner join tblProvinsi using (id)";
$query = mysql_query( $sql ) or die(mysql_error());
while( $ret = mysql_fetch_array( $query ) ){
    $id=$ret['nama_provinsi'];
    $sql_jumlah = "SELECT ROUND(SUM(tblKemiskinan.AngkaKota) +SUM(tblKemiskinan.AngkaDesa), 2) AS 'Grafik',tblProvinsi.nama_provinsi AS 'nama_provinsi' FROM tblKemiskinan inner join tblProvinsi using(id) where tblProvinsi.nama_provinsi='$id' group by tblKemiskinan.id";
    $query_jumlah = mysql_query( $sql_jumlah ) or die(mysql_error());
    while( $data = mysql_fetch_array( $query_jumlah ) ){
      $jumlah = $data['Grafik'];
    }
    ?>
    {
      name: '<?php echo $id; ?>',
      data: [<?php echo $jumlah; ?>]
```

```
            },
            <?php } ?>
        ]
    });
  });
</script>
        </head>
        <body>
            <div id='container'></div>
        </body>
</html>
```

5.1.9 tabel2.php code

In tabel2.php displays all provincial destitution data based on the year that we select in index.php

```
$select="SELECT tblProvinsi.nama_provinsi, tblKemiskinan.AngkaKota, tblKemiskinan.AngkaDesa from tblKemiskinan,tblProvinsi where tblProvinsi.id=tblKemiskinan.id and tblKemiskinan.Tahun= '$id'";
```

5.2 Testing

5.2.2 Testing Screenshot

1. Click the marker province wants to see the data of destitution and destitution data Single-click the name of the province will come out. Data out is the amount of data the overall destitution of the provinces in the click

Figure 5.2.1 infowindow

2. Double-click, will display the name of the province on the right side of the map and can choose some provinces the data you want to see destitution.

Figure 5.2.2 Select and display the name of the destitution

3. Having finished selecting Provincial click "button" destitution data from the selected province will come out each year based on the data and displays the diagram destitution.

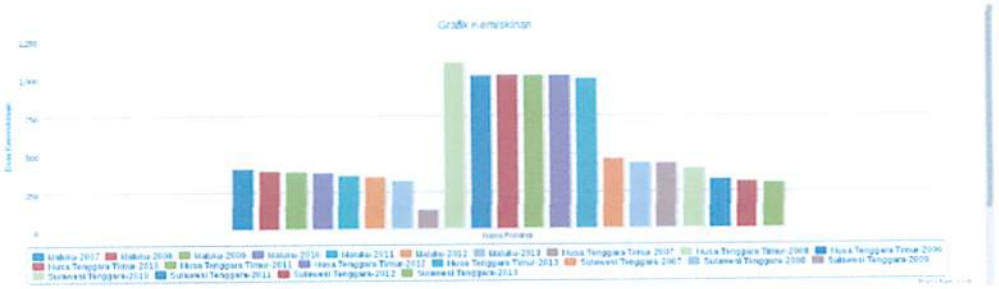

Figure 5.2.3 Diagram showing destitutiondata

4. Destitution data for each year showing the name of the province that have been.

Maluku

Angka Kota(000)	Angka Desa(000)	Tahun
49.1	355.6	2007
44.7	346.7	2008
38.8	341.2	2009
36.3	342.3	2010
59.6	300.72	2011
58.5	291.8	2012
48.75	273.09	2013
336.75	2251.41	

Nusa Tenggara Timur

Angka Kota(000)	Angka Desa(000)	Tahun
124.9	1	2007
119.3	979.1	2008
109.4	903.7	2009
107.4	906.7	2010
117.04	895.87	2011
115.5	897.1	2012
113.57	879.99	2013
607.11	5463.46	

Sulawesi Tenggara

Angka Kota(000)	Angka Desa(000)	Tahun
31.3	434.1	2007
27.2	408.7	2008
26.2	408.2	2009
22.2	378.5	2010
29.84	300.17	2011
31.6	284.8	2012
31.72	269.99	2013
200.06	2484.46	

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Figure 5.2.4 Displays data on destitution

5. We can also see the data by year by selecting the options on the home page and then "submit".

Tahun 2010

Nama Provinsi	Angka Kota(000)	Angka Desa(000)
aceh	173.4	688.5
Sumatera Utara	689	801.9
Sematera Barat	106.2	323.8
Riau	208.9	291.3
Kepulauan Riau	67.1	62.6
Jambi	110.8	130.8
Sumatera Selatan	471.2	654.5
Kepulauan Bangka Belitung	21.9	45.9
Bengkulu	117.2	207.7
Lampung	301.7	1178.2
DKI Jakarta	312.2	-0
Jawa Barat	2360.5	2423.2
Banten	318.3	439.9
Jawa Tengah	2258.9	3110.2
DI Yogyakarta	308.4	268.9
Jawa Timur	1873.5	3655.8
Bali	83.6	91.3
Nusa Tenggara Barat	552.6	456.7
Nusa Tenggara Timur	107.4	906.7
Kalimantan Barat	83.4	345.3
Kalimantan Tengah	33.2	131
Kalimantan Selatan	65.8	116.2
Kalimantan Timur	79.2	163.8
Sulawesi Utara	76.4	130.3
Gorontalo	17.8	192
Sulawesi Tengah	54.2	420.8
Sulawesi Selatan	119.2	794.2
Sulawesi Barat	33.7	107.6
Sulawesi Tenggara	22.2	378.5
Maluku	58.5	291.8
Maluku Utara	7.6	84.2
Papua	34.3	932.3
Papua Barat	14	216

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Figure 5.2.5 Destitution data based on the year