# LAMPIRAN

**Lampiran 1. 1 Jadwal Penelitian**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KEGIATAN** | **2018** | | | | | | | | | | | | **2019** | | | | | | | | | | | |
| **OKTOBER** | | | | **NOVEMBER** | | | | **DESEMBER** | | | | **JANUARI** | | | | **FEBRUARI** | | | | **MARET** | | | |
| Pra Penelitian |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Proposal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pemodelan/  Abstraksi |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Evaluasi Model |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Desain Sistem |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Konstruksi Sistem |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pengujian Sistem |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pembahasan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Penyusunan Laporan Penelitian |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Lampiran 1. 2 Data Dinas Pertanian Provinsi Gorontalo**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KABUPATEN / KOTA** | **2015** | | | | **2016** | | | **2017** | | |
| **NO.** | **BULAN** | **LUAS LAHAN (Ha)** | **HASIL PANEN (Kg/pohon)** | **BULAN** | **LUAS LAHAN (Ha)** | **HASIL PANEN (Kg pohon)** | **BULAN** | **LUAS LAHAN (Ha)** | **HASIL PANEN (Kg/pohon)** |
| BOALEMO | 1 | JANUARI | 1 | 21 | JANUARI | 1 | 21 | JANUARI | 1 | 21 |
| 2 | FEBRUARI | 1 | 27 | FEBRUARI | 1 | 28 | FEBRUARI | 1 | 27 |
| 3 | MARET | 2 | 31 | MARET | 2 | 30 | MARET | 2 | 30 |
| 4 | APRIL | 2 | 33 | APRIL | 2 | 33 | APRIL | 2 | 32 |
| 5 | MEI | 3 | 32 | MEI | 3 | 32 | MEI | 3 | 33 |
| 6 | JUNI | 3 | 35 | JUNI | 4 | 35 | JUNI | 3 | 35 |
| 7 | JULI | 3 | 35 | JULI | 3 | 34 | JULI | 4 | 36 |
| 8 | AGUSTUS | 4 | 34 | AGUSTUS | 4 | 34 | AGUSTUS | 3 | 31 |
| 9 | SEPTEMBER | 4 | 29 | SEPTEMBER | 4 | 33 | SEPTEMBER | 4 | 33 |
| 10 | OKTOBER | 5 | 30 | OKTOBER | 5 | 31 | OKTOBER | 4 | 29 |
| 11 | NOVEMBER | 5 | 35 | NOVEMBER | 5 | 36 | NOVEMBER | 5 | 35 |
| 12 | DESEMBER | 6 | 46 | DESEMBER | 6 | 46 | DESEMBER | 6 | 44 |
| GORONTALO | 1 | JANUARI | 1 | 21 | JANUARI | 2 | 21 | JANUARI | 2 | 22 |
| 2 | FEBRUARI | 2 | 22 | FEBRUARI | 2 | 22 | FEBRUARI | 3 | 23 |
| 3 | MARET | 3 | 24 | MARET | 3 | 23 | MARET | 5 | 26 |
| 4 | APRIL | 3 | 24 | APRIL | 3 | 24 | APRIL | 4 | 23 |
| 5 | MEI | 4 | 26 | MEI | 5 | 27 | MEI | 3 | 22 |
| 6 | JUNI | 5 | 28 | JUNI | 5 | 27 | JUNI | 5 | 27 |
| 7 | JULI | 5 | 28 | JULI | 4 | 24 | JULI | 2 | 23 |
| 8 | AGUSTUS | 4 | 24 | AGUSTUS | 5 | 28 | AGUSTUS | 3 | 24 |
| 9 | SEPTEMBER | 6 | 27 | SEPTEMBER | 4 | 28 | SEPTEMBER | 4 | 27 |
| 10 | OKTOBER | 5 | 28 | OKTOBER | 6 | 30 | OKTOBER | 5 | 29 |
| 11 | NOVEMBER | 6 | 29 | NOVEMBER | 5 | 26 | NOVEMBER | 5 | 29 |
| 12 | DESEMBER | 6 | 30 | DESEMBER | 7 | 30 | DESEMBER | 7 | 31 |
| POHUWATO | 1 | JANUARI | 1 | 20 | JANUARI | 1 | 20 | JANUARI | 2 | 20 |
| 2 | FEBRUARI | 1 | 20 | FEBRUARI | 2 | 22 | FEBRUARI | 2 | 22 |
| 3 | MARET | 2 | 21 | MARET | 2 | 21 | MARET | 4 | 21 |
| 4 | APRIL | 3 | 21 | APRIL | 4 | 23 | APRIL | 3 | 23 |
| 5 | MEI | 2 | 20 | MEI | 3 | 23 | MEI | 4 | 25 |
| 6 | JUNI | 4 | 27 | JUNI | 4 | 26 | JUNI | 5 | 28 |
| 7 | JULI | 3 | 25 | JULI | 4 | 25 | JULI | 5 | 28 |
| 8 | AGUSTUS | 4 | 27 | AGUSTUS | 6 | 27 | AGUSTUS | 4 | 26 |
| 9 | SEPTEMBER | 4 | 28 | SEPTEMBER | 5 | 27 | SEPTEMBER | 5 | 27 |
| 10 | OKTOBER | 5 | 26 | OKTOBER | 5 | 26 | OKTOBER | 6 | 29 |
| 11 | NOVEMBER | 6 | 29 | NOVEMBER | 6 | 29 | NOVEMBER | 5 | 29 |
| 12 | DESEMBER | 6 | 31 | DESEMBER | 6 | 31 | DESEMBER | 7 | 30 |
| BONE BOLANGO | 1 | JANUARI | 2 | 21 | JANUARI | 2 | 21 | JANUARI | 2 | 21 |
| 2 | FEBRUARI | 2 | 20 | FEBRUARI | 3 | 20 | FEBRUARI | 3 | 22 |
| 3 | MARET | 3 | 24 | MARET | 3 | 24 | MARET | 3 | 20 |
| 4 | APRIL | 3 | 24 | APRIL | 4 | 27 | APRIL | 4 | 25 |
| 5 | MEI | 4 | 27 | MEI | 3 | 23 | MEI | 3 | 23 |
| 6 | JUNI | 3 | 23 | JUNI | 4 | 27 | JUNI | 4 | 25 |
| 7 | JULI | 5 | 26 | JULI | 5 | 29 | JULI | 4 | 25 |
| 8 | AGUSTUS | 5 | 26 | AGUSTUS | 5 | 26 | AGUSTUS | 5 | 28 |
| 9 | SEPTEMBER | 4 | 24 | SEPTEMBER | 4 | 27 | SEPTEMBER | 6 | 29 |
| 10 | OKTOBER | 5 | 27 | OKTOBER | 5 | 29 | OKTOBER | 5 | 26 |
| 11 | NOVEMBER | 6 | 30 | NOVEMBER | 5 | 30 | NOVEMBER | 6 | 29 |
| 12 | DESEMBER | 7 | 31 | DESEMBER | 7 | 31 | DESEMBER | 7 | 31 |
| GORONTALO UTARA | 1 | JANUARI | 3 | 22 | JANUARI | 3 | 22 | JANUARI | 3 | 22 |
| 2 | FEBRUARI | 4 | 22 | FEBRUARI | 3 | 23 | FEBRUARI | 4 | 23 |
| 3 | MARET | 4 | 23 | MARET | 4 | 23 | MARET | 3 | 23 |
| 4 | APRIL | 6 | 24 | APRIL | 5 | 25 | APRIL | 3 | 25 |
| 5 | MEI | 6 | 23 | MEI | 4 | 24 | MEI | 4 | 26 |
| 6 | JUNI | 7 | 25 | JUNI | 6 | 25 | JUNI | 5 | 25 |
| 7 | JULI | 6 | 26 | JULI | 5 | 2 | JULI | 5 | 27 |
| 8 | AGUSTUS | 8 | 26 | AGUSTUS | 6 | 26 | AGUSTUS | 6 | 25 |
| 9 | SEPTEMBER | 7 | 25 | SEPTEMBER | 7 | 26 | SEPTEMBER | 7 | 27 |
| 10 | OKTOBER | 9 | 27 | OKTOBER | 8 | 28 | OKTOBER | 9 | 29 |
| 11 | NOVEMBER | 9 | 30 | NOVEMBER | 8 | 30 | NOVEMBER | 8 | 31 |
| 12 | DESEMBER | 11 | 33 | DESEMBER | 11 | 35 | DESEMBER | 11 | 35 |
| KOTA GORONTALO | 1 | JANUARI | 1 | 20 | JANUARI | 1 | 20 | JANUARI | 1 | 20 |
| 2 | FEBRUARI | 1 | 20 | FEBRUARI | 1 | 20 | FEBRUARI | 1 | 20 |
| 3 | MARET | 3 | 23 | MARET | 2 | 22 | MARET | 2 | 21 |
| 4 | APRIL | 2 | 21 | APRIL | 4 | 25 | APRIL | 2 | 21 |
| 5 | MEI | 2 | 21 | MEI | 3 | 22 | MEI | 3 | 23 |
| 6 | JUNI | 3 | 25 | JUNI | 3 | 22 | JUNI | 2 | 20 |
| 7 | JULI | 3 | 24 | JULI | 4 | 26 | JULI | 3 | 23 |
| 8 | AGUSTUS | 4 | 22 | AGUSTUS | 4 | 26 | AGUSTUS | 4 | 25 |
| 9 | SEPTEMBER | 3 | 20 | SEPTEMBER | 5 | 29 | SEPTEMBER | 5 | 27 |
| 10 | OKTOBER | 4 | 23 | OKTOBER | 4 | 24 | OKTOBER | 4 | 25 |
| 11 | NOVEMBER | 4 | 23 | NOVEMBER | 5 | 28 | NOVEMBER | 5 | 24 |
| 12 | DESEMBER | 5 | 26 | DESEMBER | 5 | 29 | DESEMBER | 5 | 25 |

**Lampiran 1. 3 Potongan Kode Program**

**Index.php**

<html>

<head>

<title>form login</title>

<link href="style/style.css" rel="stylesheet" type="text/css" media="screen"/>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

</head>

<body bgcolor="#33FFFF">

<form action="proseslogin.php" method="post" name="form1">

<table>

<tr id="header">

<td colspan="2"><h2>Login</h2></td>

</tr>

<tr>

<td bgcolor="#00CC66">Username</td>

<td bgcolor="#00CC66"><input type="text" name="username" id="username" placeholder="username"></td>

</tr>

<tr bgcolor="#00CC66">

<td>Password</td>

<td><input type="password" name="password" id="password" placeholder="password"></td>

</tr>

<tr>

<td>&nbsp;</td>

<td><input type="submit" name="Login" value="Login">

</td>

</tr>

</table>

</form>

</body>

</html>

**Koneksi.php**

<?php

mysql\_connect("localhost","root","");

mysql\_select\_db("dbgoroho");

?>

**Data User**

<div style="clear: both"></div>

<div id="content">

<div id="center\_column">

<!-- Start left news box -->

<div class="left\_news\_box">

<div class="col-lg-12">

<div class="panel panel-primary">

<div class="panel-heading"><center>

<h3 class="panel-title"><i class="fa fa-user"></i> Tambah Data </h3>

</div>

<div class="panel-body">

<div class="table-responsive">

<form action="simpan\_prediksi.php" method="post">

<table class="table table-condensed">

<tr>

<td width="27%"><label for="user\_id">ID </label></td>

<td width="73%"><input name="user\_id" type="text" class="form-control" id="user\_id" placeholder="ID" required/></td>

</tr>

<tr>

<td><label for="username">USERNAME</label></td>

<td><input name="username" type="text" class="form-control" id="username" placeholder="" required/></td>

</tr>

<tr>

<td><label for="password">PASSWORD</label></td>

<td><input name="password" type="text" class="form-control" id="password" placeholder="password" required/></td>

</tr>

<tr>

<td><label for="fullname">Fullname</label></td>

<td><input name="fullname" type="text" class="form-control" id="password" placeholder="password" required/></td>

</tr>

<tr>

<td><input type="submit" value="Simpan Data" class="btn btn-sm btn-primary" name="simpan\_prediksi">&nbsp;<a href="databaru.php" class="btn btn-sm btn-primary">Kembali</a></td

</tr>

</table>

</form>

</div>

</div>

<div class="text-right">

</div>

</div>

**Function Regresi Sederhana**

//1. melakukan kuadrat variabel

$sqla= mysql\_query("SELECT \* from tbl\_data order by id asc");

while ($dta = mysql\_fetch\_array($sqla))

{

$id=$dta['id'];

$x=$dta['luaslahan'];

$y=$dta['hasilpanen'];

$idkuadratx=(pow($x,2));

$idkuadraty=(pow($y,2));

$xy=$x\*$y;

$query = "INSERT INTO kuadrat\_variabel (id,x2,y2,xy) VALUES ('$id','$idkuadratx','$idkuadraty','$xy')";

$hasil = mysql\_query($query);

}

//2. mmenghitung konstanta a

//sigmay

//sigmax2

//sigmax

//sigmaxy

// sigma x==================================================================================

$sqlx= mysql\_query("SELECT sum(luaslahan) as sigmax from tbl\_data");

$dtx= mysql\_fetch\_array($sqlx);

$sigmax=$dtx['sigmax'];

//sigma y===========================================================================================

$sqly= mysql\_query("SELECT sum(hasilpanen) as sigmay from tbl\_data");

$dty = mysql\_fetch\_array($sqly);

$sigmay=$dty['sigmay'];

//sigma xy===============================================================================================

$sqlxy= mysql\_query("SELECT sum(xy) as sigmaxy from kuadrat\_variabel");

$dtxy = mysql\_fetch\_array($sqlxy);

$sigmaxy=$dtxy['sigmaxy'];

//sigma x^2==================================================================

$sqlxq= mysql\_query("SELECT sum(x2) as sigmaxq from kuadrat\_variabel");

$dtxq = mysql\_fetch\_array($sqlxq);

$sigmaxq=$dtxq['sigmaxq'];

//n=============================================================================

$sqln= mysql\_query("SELECT count(id) as n from tbl\_data");

$dtn = mysql\_fetch\_array($sqln);

$n=$dtn['n'];

///////////////////////////////////////////////////////////////////////////////////// Perhitungan Konstanta a dan b

//konstantaa======================================================================= $konsa=(($sigmay\*$sigmaxq)-($sigmax\*$sigmaxy))/($n\*($sigmaxq)-(pow($sigmax,2)));

//konstantab=======================================================================

$konsb=(($n\*($sigmaxy))-($sigmax\*$sigmay))/($n\*($sigmaxq)-(pow($sigmax,2)));

/////////////// prediksi == ===============================================================================

$sqln2= mysql\_query("SELECT \* from data\_prediksi");

while ($dtn2 = mysql\_fetch\_array($sqln2))

{

$id\_data=$dtn2['id\_data'];

$x=$dtn2['x'];

$kabupaten=$dtn2['kabupaten'];

$bulan=$dtn2['bulan'];

$pred=$konsa+($konsb\*$x);

echo $id\_data;

echo "$pred";

$query2 = "INSERT INTO hasil\_prediksi (id\_data,kabupaten,bulan,x,prediksi) VALUES ('$id\_data','$kabupaten','$bulan','$x','$pred')";

$hasil2 = mysql\_query($query2);

}

$sql10 = mysql\_query("TRUNCATE TABLE data\_prediksi");

mysql\_close();

header('location:hasilprediksi.php');

?>

**Proses Login**

<html>

<head>

<title>Hasil Login</title>

<link rel="stylesheet" type="text/css" href="style/style.css">

</head>

<body>

<form action="proseslogin.php" method="post" name="form1">

<table>

<tr>

<td>

<?php

if (isset($\_POST['Login'])){

$login = $\_POST['username'];

$pass = $\_POST['password'];

if ($login == "admin" && $pass == "admin"){

header('location:admin/index.php');

} else{

echo "<h2>Login Gagal</h2>";

}

}

?>

</td>

</tr>

</table>

</form>

</body>

</html>

**Hasil Prediksi**

<html>

<head><title>Tabel Hasil Prediksi</title>

<link rel="stylesheet" type="text/css" href="table.css"></head>

<h3 align="center">Tabel Hasil Prediksi</h3>

<hr><center>

<table border='0' class='table' >

<tr class="data">

<th bgcolor='#0066FF'>ID</th><th bgcolor='#0066FF'>KABUPATEN</th><th bgcolor='#0066FF'>BULAN</th><th bgcolor='#0066FF'>LUAS LAHAN (Ha)</th><th bgcolor='#0066FF'>Hasil Prediksi</th></th>

</tr>

<?php

$query = mysql\_query("SELECT \* FROM hasil\_prediksi");

while($row = mysql\_fetch\_array($query) ) {

echo "<tr class='td'>

<td bgcolor=''>".$row['id\_data']."</td>

<td bgcolor=''>".$row['kabupaten']."</td>

<td bgcolor=''>".$row['bulan']."</td>

<td bgcolor=''>".$row['x']." </td>

<td bgcolor=''>".$row['prediksi']."</td>

</tr>";

}

echo "</table>";

mysql\_close();

?>

</body>

</html>