

# LAMPIRAN

**Lampiran 1** : Tabel Daftar gejala yang disertai nilai bobot pakar

No	Kode Gejala	Gejala	Bobot Nilai Pakar	Penyakit
1	G1	Air mata berlebihan	0,2	- Pilek
2	G2	Badan Membungkuk	0,2	- Diare - Kembung
3	G3	Batuk	0,5	- Pilek
4	G4	Bengkak pada alat genital	0,9	- <i>Myxomatosis</i>
5	G5	Bengkak pada daerah kepala	0,7	- <i>Myxomatosis</i>
6	G6	Berat badan menurun	0,2	- <i>Coccidiosis</i> - Diare
7	G7	Bersin-bersin	0,9	- Pilek
8	G8	Bulu langsung hilang sama sekali	0,5	- Scabies
9	G9	Bulu rontok	0,5	- Scabies
10	G10	Daun telinga menurun	0,2	- <i>Myxomatosis</i> - Kembung
11	G11	Dehidrasi	0,2	- <i>Coccidiosis</i>
12	G12	Diare berdarah	0,9	- <i>Coccidiosis</i>
13	G13	Kaki basah oleh cairan ingus	0,5	- Pilek
14	G14	Kaki depan dimasukkan ke tempat minum	0,5	- Kembung
15	G15	Keluar cairan ingus	0,7	- Pilek
16	G16	Keluar cairan kuning dari hidung atau mata	0,9	- <i>Myxomatosis</i>
17	G17	Kotoran encer	0,7	- Diare - <i>Coccidiosis</i>
18	G18	Kulit tebal dan kemerah-merahan	0,9	- Scabies
19	G19	Lesu	0,2	- Diare - <i>Coccidiosis</i> - Cacingan - Pilek - Scabies - <i>Myxomatosis</i>
20	G20	Mata suram agak menutup	0,5	- Kembung
21	G21	Menggaruk-garuk pada kulit yang terinfeksi	0,9	- Scabies
22	G22	Nafsu makan menurun	0,2	- Scabies - <i>Coccidiosis</i> - Cacingan - <i>Myxomatosis</i>
23	G23	Nafsu makan tidak menentu	0,2	- Diare - Cacingan

24	G24	Pantat / anus kotor	0,7	- Diare
25	G25	Perut membesar	0,9	- Kembang
26	G26	Radang selaput mata	0,5	- <i>Myxomatosis</i>
27	G27	Selalu dekat dengan tempat minum	0,9	- Kembang
28	G28	Suhu tubuh naik	0,2	- Pilek
29	G29	Suhu tubuh tidak menentu	0,2	- Diare
30	G30	Terbentuk keropeng di telinga atau kaki	0,9	- Scabies
31	G31	Tidak mau makan	0,7	- Cacingan
32	G32	Tubuh kurus	0,7	- Diare - Cacingan

**Lampiran 2** : Tabel Rancangan *Rule Base*

<b>Penyakit</b>	<b>Kode Penyakit</b>	<b>Rule Base</b>
Kembung	P1	IF Badan membungkuk Daun telinga menurun Kaki depan dimasukkan ke tempat minum Mata suram agak menutup Mengkerot-kerotkan gigi Nafas cepat Selalu dekat dengan tempat minum THEN Kembung
Diare (Mencret)	P2	IF Badan membungkuk Berat badan menurun Kotoran encer Lesu Nafsu makan tidak menentu Pantat / anus kotor Suhu tubuh tidak menentu THEN Diare(Mencret)
Pilek	P3	IF Air mata berlebihan Batuk Bersin-bersin Kaki basah oleh cairan ingus Keluar cairan ingus Lesu

		Suhu tubuh naik THEN Pilek
Scabies	P4	IF Bulu langsung hilang sama sekali Bulu rontok Kulit tebal dan kemerah-merahan Menggaruk-garuk pada kulit yang terinfeksi Nafsu makan menurun Radang pada kulit Terbentuk keropeng di telinga dan atau kaki THEN Scabies
<i>Coccidiosis</i>	P5	IF Berat badan menurun Dehidrasi Diare berdarah Kotoran encer Lesu Mengkerot-kerotkan gigi Nafsu makan menurun THEN Coccidiosis
Cacingan	P6	IF Lesu Nafsu makan menurun Nafsu makan tidak menentu Tidak mau makan Tubuh kurus THEN Cacingan

<i>Myxomatosis</i>	P7	IF Bengkak pada alat genital Bengkak pada daerah kepala Daun telinga menurun Keluar cairan kuning dari hidung atau mata Lesu Nafsu makan menurun Radang selaput mata THEN Myxomatosis
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**Lampiran 3** : Tabel *Variable Analysis* Metode VCIRS

Rule	Var ID	Node ID	Var Order	Credit	Num Of Var ID	Num Of Node ID	Node Order
#P1	G1	P1	1	2	6	1	1
	G4		2	2			
	G5		3	2			
	G6		4	1			
	G8		5	2			
	G9		6	1			
#P2	G2	P2	1	2	7	1	1
	G6		2	2			
	G17		3	2			
	G19		4	6			
	G23		5	2			
	G24		6	2			
	G29		7	1			
#P3	G1	P3	1	1	7	1	1
	G3		2	1			
	G7		3	1			
	G13		4	1			
	G15		5	1			
	G19		6	6			
	G28		7	1			
#P4	G8	P4	1	1	7	1	1
	G9		2	1			
	G18		3	1			
	G19		4	6			

	G21		5	1			
	G22		6	4			
	G30		7	1			
#P5	G6	P5	1	2	7	1	1
	G11		2	1			
	G12		3	1			
	G17		4	2			
	G19		5	6			
	G22		6	4			
	G24		7	2			
#P6	G19	P6	1	6	5	1	1
	G22		2	4			
	G23		3	2			
	G31		4	1			
	G32		5	1			
#P7	G4	P7	1	1	7	1	1
	G5		2	1			
	G10		3	2			
	G16		4	1			
	G19		5	6			
	G22		6	4			
	G26		7	1			

Lampiran 4 : Tabel Data Pengujian

No	Nama Pasien	Jenis Kelamin	Pemeriksaan					Hasil Diagnosis
			Mata	Hidung	Telinga	Bulu/Kulit	Gejala Lain	
1	Kelinci 1	Jantan	Normal	Menebal	Di pinggir telinga terdapat keropeng	Normal	<ul style="list-style-type: none"> <li>- Terdapat keropeng didaerah kaki</li> <li>- Lesu</li> <li>- Nafsu makan menurun</li> <li>- Suka menggaruk – garuk pada bagian keropeng</li> </ul>	Scabies
2	Kelinci 2	Jantan	Berair	Basah dan keluar ingus	Normal	Normal	<ul style="list-style-type: none"> <li>- Suka bersin – bersin</li> <li>- Kaki basah oleh ingus</li> <li>- Nafsu makan tidak menentu</li> <li>- Lesu</li> <li>- Badan agak panas</li> </ul>	Pilek
3	Kelinci 3	Jantan	Normal	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- Kotoran encer</li> <li>- Kotoran nempel ke anus/pantat</li> <li>- Nafsu makan tidak menentu</li> <li>- Lesu</li> </ul>	Diare

4	Kelinci 4	Betina	Normal	Bewarna merah dan tebal	Ada keropeng di ujung telinga	Normal	- lesu - tidak mau makan	Scabies
5	Kelinci 5	Betina	Agak menutup	Menebal	Ada keropeng di telinga	Normal	- sering menggaruk – garuk di daerah keropeng - lesu - tidak mau makan	Scabies
6	Kelinci 6	Betina	Normal	Menebal	Ada keropeng di kedua telinga	Bulu didaerah kaki hilang	- tidak mau makan - lesu - ada keropeng di daerah kaki	Scabies
7	Kelinci 7	Betina	Agak menutup	Kemerah - merahan dan keras	Ada keropeng di ujung telinga	Bulu didaerah kaki hilang	- terdapat keropeng didaerah kaki	Scabies
8	Kelinci 8	Jantan	Berair	Normal	Menurun kebawah	Normal	- tidak mau makan - lesu - perut membesar	Kembung
9	Kelinci 9	Jantan	Normal	Menebal	Ada keropeng di ujung ujung telinga	Normal	- lesu - nafsu makan menurun	Scabies
10	Kelinci 10	Jantan	Normal	Normal	Normal	Normal	- Pantat kotor oleh kotoran - Kotoran lembek dan encer - Lesu	Diare

11	Kelinci 11	Jantan	Normal	Keluar ingus	Normal	Normal	<ul style="list-style-type: none"> <li>- Sering bersin – bersin</li> <li>- Nafsu makan tidak menentu</li> <li>- Lesu</li> </ul>	Pilek
12	Kelinci 12	Betina	Agak menutup	menebal	Ada keropeng di ujung telinga	Bulu didaerah kaki hilang	<ul style="list-style-type: none"> <li>- terdapat keropeng didaerah kaki</li> <li>- lesu</li> </ul>	Scabies
13	Kelinci 13	Betina	Normal	Kemerah - merahan dan keras	Ada keropeng di ujung telinga	Bulu didaerah kaki hilang	<ul style="list-style-type: none"> <li>- terdapat keropeng didaerah kaki</li> <li>- tidak mau makan</li> </ul>	Scabies
14	Kelinci 14	Betina	Normal	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- tidak mau makan</li> <li>- kadang makan kadang tidak</li> <li>- berat badan menurun</li> <li>- lesu</li> <li>- tubuh mengurus</li> </ul>	Cacingan
15	Kelinci 15	Betina	Normal	Keluar ingus	Normal	Normal	<ul style="list-style-type: none"> <li>- Sering bersin – bersin</li> <li>- Lesu</li> <li>- Kaki basah oleh ingus</li> </ul>	Pilek
16	Kelinci 16	Jantan	Normal	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- Kotoran encer</li> <li>- Kotoran nempel ke anus/pantat</li> </ul>	Diare

							<ul style="list-style-type: none"> <li>- Nafsu makan tidak menentu</li> <li>- Lesu</li> </ul>	
17	Kelinci 17	Jantan	Normal	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- Tidak mau makan</li> <li>- Lesu</li> <li>- Suhu tubuh kadang panas kadang normal</li> <li>- Perut membesar</li> </ul>	Kembung
18	Kelinci 18	Jantan	Agak menutup	Kemerah – merahan dan tebal	Ada keropeng di ujung telinga	Bulu kaki hilang	<ul style="list-style-type: none"> <li>- Ada keropeng di daerah kaki</li> <li>- Lesu</li> <li>- Tidak mau makan</li> </ul>	Scabies
19	Kelinci 19	Jantan	Berair	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- Kotoran encer</li> <li>- Kotoran nempel ke anus/pantat</li> <li>- Nafsu makan menurun</li> <li>- Lesu</li> <li>- Suhu tubuh kadang panas kadang dingin</li> </ul>	Diare
20	Kelinci 20	Jantan	Normal	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- Kotoran lembek dan encer</li> <li>- Anus / pantat kotor oleh kotoran yang menempel</li> </ul>	Diare

							- Nafsu makan tidak menentu	
21	Kelinci 21	Jantan	Normal	Normal	Normal	Normal	- Kotoran lembek agak encer - Kadang kotoran mengeluarkan darah - Anus / pantat kotor oleh kotoran yang menempel - Lesu - Nafsu makan menurun	Coccidiosis
22	Kelinci 22	Betina	Normal	Menebal	Ada keropeng di ujung telinga	Bulu kaki hilang	- Ada keropeng di daerah kaki - Lesu - Tidak mau makan	Scabies
23	Kelinci 23	Betina	Agak menutup	Kemerah – merahan dan tebal	Ada keropeng di ujung telinga	Bulu kaki hilang	- Ada keropeng di daerah kaki - Lesu - Tidak mau makan	Scabies
24	Kelinci 24	Jantan	Selaput mata terdapat belek	Normal	Telinga agak turun	Normal	- Kepala bengkak - Lesu - Nafsu makan menurun	Myxomatosis
25	Kelinci 25	Jantan	Normal	Normal	Daun telinga agak turun	Normal	- Lesu - Nafsu makan tidak menentu	Kembung

							<ul style="list-style-type: none"> <li>- Kaki sering dimasukke ditempat minum</li> <li>- Selalu dekat tempat minum</li> </ul>	
26	Kelinci 26	Jantan	Agak menutup	Keluar ingus	Normal	Normal	<ul style="list-style-type: none"> <li>- Sering bersin – bersin</li> <li>- Lesu</li> <li>- Kaki basah oleh ingus</li> </ul>	Pilek
27	Kelinci 27	Jantan	Berair	Keluar ingus	Normal	Normal	<ul style="list-style-type: none"> <li>- Sering bersin</li> <li>- Nafsu makan tidak menentu</li> <li>- Kaki basah oleh ingus</li> </ul>	Pilek
28	Kelinci 28	Jantan	Normal	Normal	Normal	Normal	<ul style="list-style-type: none"> <li>- Kotoran lembek agak encer</li> <li>- Anus / pantat kotor oleh kotoran yang menempel</li> <li>- Nafsu makan tidak menentu</li> <li>- Lesu</li> </ul>	Diare
29	Kelinci 29	Betina	normal	Kemerah – merahan dan tebal	Ada keropeng di ujung telinga	Bulu kaki hilang	<ul style="list-style-type: none"> <li>- Ada keropeng di daerah kaki</li> <li>- Sering menggaruk garuk di daerah keropeng</li> </ul>	Scabies

							- Nafsu makan tidak menentu	
30	Kelinci 30	Betina	Normal	Menebal	Ada keropeng di ujung telinga	Bulu kaki hilang	<ul style="list-style-type: none"><li>- Ada keropeng di daerah kaki</li><li>- Lesu</li><li>- Nafsu makan tidak menentu</li></ul>	Scabies

## Lampiran 5 : Kode Program

Controller
<b>Diagnosis.php</b>
<pre> &lt;?php defined('BASEPATH') or exit('No direct script access allowed');  class Diagnosis extends CI_Controller {      public function hasil()     {         \$this-&gt;load-&gt;model('Gejala_model');         \$this-&gt;Gejala_model-&gt;kosongTempHasil();         \$data["gejala"] = \$this-&gt;Gejala_model-&gt;getAll();         \$gejala = \$this-&gt;Gejala_model-&gt;getAll();          \$nama = \$this-&gt;input-&gt;post("nama", TRUE);         \$jk = \$this-&gt;input-&gt;post("jk", TRUE);         \$input = count(\$_POST['gejala']);          //validasi input apakah sesuai jumlah minimum         //jika tidak         if (\$input &lt; 2) {             if (\$input &lt; 1) {                 \$this-&gt;session-&gt;set_flashdata('note', '&lt;div class = "alert alert-danger alert-dismissible fade show" role = "alert"&gt; Silahkan isi form diagnosis &lt;button type="button" class="btn-close" data-bs-dismiss="alert" aria- label="Close"&gt;&lt;/button&gt;&lt;/div&gt;');                 redirect('user/tampilgejala');             } else {                 \$this-&gt;session-&gt;set_flashdata('note', '&lt;div class = "alert alert-danger alert-dismissible fade show" role = "alert"&gt; Jumlah masukkan tidak sesuai &lt;button type="button" class="btn-close" data-bs-dismiss="alert" aria- label="Close"&gt;&lt;/button&gt;&lt;/div&gt;');                 redirect('user/tampilgejala');             }         } else {             \$input_data = implode(',', \$_POST['gejala']); </pre>

```

$stampil = "SELECT * FROM tbl_vcirs AS vcirs2
JOIN (
    SELECT
    node_id, COUNT(*) AS total_input
    FROM tbl_vcirs
    WHERE
    tbl_vcirs.var_id IN (" . $input_data . ")
    GROUP BY node_id
    HAVING total_input = (
        SELECT MAX(tp)
        FROM (SELECT COUNT(*) AS tp
            FROM tbl_vcirs
            WHERE tbl_vcirs.var_id IN (" .
$input_data . ")
            GROUP BY node_id
        ) f
    )
) AS vcirs1
ON vcirs1.node_id = vcirs2.node_id";

$result = $this->db->query($stampil)-
>result_array();
$total_result = count($result);
$new_data = [];

foreach ($result as $key => $value) {
    // metode vcirs
    // mencari vur tiap gejala
    $cd = $value["var_order"] /
$value["numofvar_id"];
    $weight = $value["numofnode_id"] * $cd;
    $vur = $value["credit"] * $weight;

    $new_value = [
        "node_id" => $value["node_id"],
        "var_id" => $value["var_id"],
        "var_order" => $value["var_order"],
        "credit" => $value["credit"],
        "numofvar_id" => $value["numofvar_id"],
        "numofnode_id" => $value["numofnode_id"],
        "node_order" => $value["node_order"],
        "vur" => $vur,
    ];
};

```

```

        if (!array_key_exists($value["node_id"],
$new_data)) {
            $new_data[$value["node_id"]][0] =
$new_value;
        } else {
            if (is_array($new_data[$value["node_id"]]))
{
                array_push($new_data[$value["node_id"]]
, $new_value);
            }
        }
    }

    // echo json_encode($new_data);

    // mencari nur dan rur tiap penyakit
    $temp_data = [];
    $new_data2 = [];
    $a = 0;

    foreach ($new_data as $key => $val) {
        $temp_data[$key]["sig_vur"] = 0;
        $temp_data[$key]["nur"] = 0;
        $temp_data[$key]["rur"] = 0;
    }

    foreach ($new_data as $key => $val) {
        foreach ($val as $key2 => $val2) {
            $temp_data[$key]["sig_vur"] +=
$val2["vur"];
        }

        $temp_data[$key]["nur"]
= $temp_data[$key]["sig_vur"] / $val2["numofvar_id"];
        $temp_data[$key]["rur"] =
$temp_data[$key]["nur"] / $val2["numofnode_id"];
    }

    foreach ($new_data as $key => $val) {
        $tmp = [];
        $tmp["node_id"] = $key;
        $tmp["sig_vur"] = $temp_data[$key]["sig_vur"];
        $tmp["nur"] = $temp_data[$key]["nur"];
        $tmp["rur"] = $temp_data[$key]["rur"];
        $new_data2[] = $tmp;
    }

```

```

    }

    $max = $new_data2[0];
    for ($i = 1; $i < sizeof($new_data2); $i++) {
        if ($max["rur"] < $new_data2[$i]["rur"]) {
            $max = $new_data2[$i];
        }
    }
    // var_dump($max);
    // die;

    //metode Dempster-Shafer
    //mengambil nilai believe dari setiap input
    $sql = "SELECT GROUP_CONCAT(tbl_penyakit.id) AS
tbl_ds.nilai_bel
    FROM tbl_ds
    JOIN tbl_penyakit
    ON tbl_ds.id_penyakit = tbl_penyakit.id
    WHERE tbl_ds.id_gejala
    IN (" . $input_data . ")
    GROUP BY tbl_ds.id_gejala ORDER BY
tbl_ds.id_gejala ASC";

    $result = $this->db->query($sql);
    $gejala = [];

    foreach ($result->result_array() as $key => $value)
    {
        $evidence = $value;
        $gejala[] = $evidence;
    }

    // while ($row = $result->row()) {
    //     $gejala[] = $row;
    // }

    // menentukan environment
    $sql = "SELECT GROUP_CONCAT(tbl_penyakit.id) as id
FROM tbl_penyakit";
    $result = $this->db->query($sql);
    $row = $result->result_array();
    $fod = $row[0];

    // menentukan nilai densitas
    $densitas_baru = [];

```

```

while (!empty($gejala)) {
    //nilai pada Y1 baris atas
    $densitas1[0] = array_shift($gejala);
    $densitas1[1] = ["id" => $fod["id"],
"nilai_bel" => 1 - $densitas1[0]["nilai_bel"]];
    $densitas2 = [];
    //nilai pada X1 baris 1
    if (empty($densitas_baru)) {
        $densitas2[0] = array_shift($gejala);
    } else {
        foreach ($densitas_baru as $k => $r) {
            //nilai pada X1 baris 2; jika ad
densitas baru
            if ($k != "&theta;") {
                $densitas2[] = ["id" => $k,
"nilai_bel" => $r];
            }
        }
    }
    //bagian y1
    $theta = 1;
    //nilai X1 baris 2 teta

    foreach ($densitas2 as $d) $theta -=
$d["nilai_bel"];
    $densitas2[] = ["id" => $fod["id"], "nilai_bel"
=> $theta];

    $m = count($densitas2);
    $densitas_baru = [];
    for ($y = 0; $y < $m; $y++) {
        for ($x = 0; $x < 2; $x++) {
            if (!($y == $m - 1 && $x == 1)) {
                $v = explode(',',
$densitas1[$x]["id"]);
                $w = explode(',',
$densitas2[$y]["id"]);
                sort($v);
                sort($w);
                $vw = array_intersect($v,
$w); //mencari nilai irisan
                if (empty($vw)) {
                    $k = "&theta;";
                } else {
                    $k = implode(',', $vw);

```

```

        }
        if (!isset($densitas_baru[$k])) {

            //data Y1r2
            $densitas_baru[$k] =
$densitas1[$x]["nilai_bel"] * $densitas2[$y]["nilai_bel"];
        } else {
            $densitas_baru[$k] +=
$densitas1[$x]["nilai_bel"] * $densitas2[$y]["nilai_bel"];
        }
    }
}
foreach ($densitas_baru as $k => $d) {
    if ($k != "&theta;") {
        $densitas_baru[$k] = $d / (1 -
(isset($densitas_baru["&theta;"]) ? $densitas_baru["&theta;"] :
0));
    }
}

//--- perangkingan
unset($densitas_baru["&theta;"]);
arsort($densitas_baru);

// mendapatkan nilai akhir
$codes = array_keys($densitas_baru);
$sql = "SELECT * FROM tbl_penyakit WHERE id
IN('{ $codes[0] }')";
$result = $this->db->query($sql);
$row = $result->row()->id;
$data['row'] = $result->row();

$hasil = [
    'nama' => $nama,
    'jeniskelamin' => $jk,
    'hasil_diagnosis' => $max['node_id'],
    'nilai' => round($densitas_baru[$codes[0]] *
100)
];
$this->db->insert('temp_hasil', $hasil);
$sql = "SELECT tbl_penyakit.nama_penyakit FROM
tbl_penyakit

```

```

        JOIN temp_hasil on tbl_penyakit.kode_penyakit =
temp_hasil.hasil_diagnosis ";
        $result = $this->db->query($sql);
        $data['penyakit'] = $result->row()->nama_penyakit;
        $data['hasil'] = $hasil;
    }
    $this->load->view('hasil/hasil', $data);
}
}

```

### **User.php**

```

<?php
defined('BASEPATH') or exit('No direct script access allowed');

class User extends CI_Controller
{

    public function index()
    {
        $this->load->view('home/home');
    }

    public function tampilgejala()
    {
        $this->load->model('Gejala_model');

        $data['gejala'] = $this->Gejala_model->getAll();

        $this->load->view('gejala/gejala', $data);
    }
}

```

### **Model**

### **Gejala\_model.php**

```

<?php
class Gejala_model extends CI_Model
{

    public function getAll()
    {
        return $this->db->get('tbl_gejala')->result_array();
    }

    // mengosongkan tabel temp_final sebelum digunakan
    public function kosongTempHasil()

```

<pre>{     return \$this-&gt;db-&gt;truncate('temp_hasil'); } }</pre>
<b>View</b>
<b>Home.php</b>
<pre>&lt;!DOCTYPE html&gt; &lt;html lang="en"&gt;  &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta content="width=device-width, initial-scale=1.0" name="viewport"&gt;      &lt;title&gt;Sistem Pakar Kelinci&lt;/title&gt;     &lt;meta content="" name="description"&gt;     &lt;meta content="" name="keywords"&gt;      &lt;!-- Favicons --&gt;     &lt;link href="&lt;? = base_url('assets/'); ?&gt;img/logo.png" rel="icon"&gt;      &lt;!-- Google Fonts --&gt;     &lt;link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300 i,400,400i,600,600i,700,700i Montserrat:300,400,500,600,700" rel="stylesheet"&gt;</pre>

```
<!-- Vendor CSS Files -->
<link href="<?= base_url('assets/'); ?>vendor/aos/aos.css"
rel="stylesheet">
<link href="<?= base_url('assets/');
?>vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="<?= base_url('assets/'); ?>vendor/bootstrap-
icons/bootstrap-icons.css" rel="stylesheet">
<link href="<?= base_url('assets/');
?>vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
<link href="<?= base_url('assets/');
?>vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

<!-- Template Main CSS File -->
<link href="<?= base_url('assets/'); ?>css/style.css"
rel="stylesheet">

<!--
=====

* Template Name: Rapid - v4.7.1
* Template URL: https://bootstrapmade.com/rapid-multipurpose-
bootstrap-business-template/
* Author: BootstrapMade.com
* License: https://bootstrapmade.com/license/
===== -->
</head>
```

```

<body>

    <!-- ===== Header ===== -->

    <header id="header" class="fixed-top d-flex align-items-
center header-transparent">

        <div class="container d-flex align-items-center">

            <a class="navbar-brand">

                

            </a>

            <h1 class="logo me-auto"><a>BUNNYCARE</a></h1>

            <!-- Uncomment below if you prefer to use an image
logo -->

            <!-- <a href="index.html" class="logo me-auto"></a-->

            <nav id="navbar" class="navbar order-last order-lg-
0 ml-auto">

                <ul>

                    <li><a class="nav-link scrollto active"
href="<?= base_url('user'); ?>">Home</a></li>

                </ul>

                <i class="bi bi-list mobile-nav-toggle"></i>

            </nav><!-- .navbar -->

        </div>

```

```

</header><!-- End Header -->

<main id="main">

    <!-- ===== Hero Section ===== -->
    <section id="hero" class="clearfix">
        <div class="container d-flex h-100">
            <div class="row justify-content-center align-
self-center" data-aos="fade-up">
                <div class="col-lg-6 intro-info order-lg-
first order-last" data-aos="zoom-in" data-aos-delay="100">
                    <h2><span>Rabbit</span> Expert
System</h2>
                    <h4>Aplikasi untuk diagnosis penyakit
kelinci</h4>
                    <div>
                        <a href="<?php echo
base_url('user/tampilgejala'); ?>" class="btn btn-primary
tombol">Mulai Diagnosis</a>
                    </div>
                </div>
            </div>
            <div class="col-lg-6 intro-img order-lg-
last order-first" data-aos="zoom-out" data-aos-delay="200">
                

```

```
</div>
</div>
</div>
</section><!-- End Hero -->
</main><!-- End #main -->
<!-- ===== Footer ===== -->
<footer id="footer" class="section-bg">
  <div class="container">
    <div class="copyright">
      &copy; Copyright by <strong> Senaku
2022</strong>
    </div>
    <div class="credits">
      <!--
      All the links in the footer should remain intact.
      You can delete the links only if you purchased the pro
version.
      Licensing information:
https://bootstrapmade.com/license/
      Purchase the pro version with working PHP/AJAX contact
form: https://bootstrapmade.com/buy/?theme=Rapid
      -->
      Designed by <a
href="https://bootstrapmade.com/">BootstrapMade</a>
```

```
        </div>
    </div>
</footer><!-- End Footer -->

<a href="#" class="back-to-top d-flex align-items-center
justify-content-center"><i class="bi bi-arrow-up-
short"></i></a>

<!-- Vendor JS Files -->
<script src="<?= base_url('assets/');
?>vendor/purecounter/purecounter.js"></script>
<script src="<?= base_url('assets/');
?>vendor/aos/aos.js"></script>
<script src="<?= base_url('assets/');
?>vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="<?= base_url('assets/');
?>vendor/glightbox/js/glightbox.min.js"></script>
<script src="<?= base_url('assets/'); ?>vendor/isotope-
layout/isotope.pkgd.min.js"></script>
<script src="<?= base_url('assets/');
?>vendor/swiper/swiper-bundle.min.js"></script>
<script src="<?= base_url('assets/'); ?>vendor/php-email-
form/validate.js"></script>

<!-- Template Main JS File -->
<script src="<?= base_url('assets/');
```

```
?>js/main.js"></script>
```

```
</body>
```

```
</html>
```

### **Gejala.php**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="utf-8">
```

```
  <meta content="width=device-width, initial-scale=1.0"
name="viewport">
```

```
  <title>Sistem Pakar Kelinci</title>
```

```
  <meta content="" name="description">
```

```
  <meta content="" name="keywords">
```

```
  <!-- Favicons -->
```

```
  <link href="<?= base_url('assets/'); ?>img/logo.png"
rel="icon">
```

```
  <!-- Google Fonts -->
```

```
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300
```

```
i,400,400i,600,600i,700,700i|Montserrat:300,400,500,600,700"
rel="stylesheet">

    <!-- Vendor CSS Files -->

    <link href="<?= base_url('assets/'); ?>vendor/aos/aos.css"
rel="stylesheet">

    <link href="<?= base_url('assets/');
?>vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">

    <link href="<?= base_url('assets/'); ?>vendor/bootstrap-
icons/bootstrap-icons.css" rel="stylesheet">

    <link href="<?= base_url('assets/');
?>vendor/glightbox/css/glightbox.min.css" rel="stylesheet">

    <link href="<?= base_url('assets/');
?>vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

    <!-- Template Main CSS File -->

    <link href="<?= base_url('assets/'); ?>css/style.css"
rel="stylesheet">

    <!--

=====

    * Template Name: Rapid - v4.7.1

    * Template URL: https://bootstrapmade.com/rapid-multipurpose-
bootstrap-business-template/

    * Author: BootstrapMade.com

    * License: https://bootstrapmade.com/license/
```

```

===== -->
</head>

<body>

  <!-- ===== Header ===== -->

  <header id="header" class="fixed-top d-flex align-items-
center header-transparent">

    <div class="container d-flex align-items-center">

      <a class="navbar-brand">

        

      </a>

      <h1 class="logo me-auto"><a>BUNNYCARE</a></h1>

      <!-- Uncomment below if you prefer to use an image
logo -->

      <!-- <a href="index.html" class="logo me-auto"></a-->

      <nav id="navbar" class="navbar order-last order-lg-
0 ml-auto">

        <ul>

          <li><a class="nav-link scrollto active"
href="<?= base_url('user'); ?>">Home</a></li>

        </ul>

        <i class="bi bi-list mobile-nav-toggle"></i>

```

```

        </nav><!-- .navbar -->

    </div>

</header><!-- End Header -->

<div class="container my-auto">
    <form action="<?= base_url('diagnosis/hasil'); ?>"
method="POST">
        <h3 class="h3 mb-5 mt-5 text-gray-800 text-
center">Form Diagnosis</h3>
        <div class="form-group mb-3">
            <label for="exampleInputPassword1">Nama</label>
            <input type="text" class="form-control"
id="name" name="nama">
        </div>
        <div class="form-group mb-3">
            <label for="exampleInputPassword1">Jenis
Kelamin</label>
            <input type="text" class="form-control" id="jk"
name="jk">
        </div>
        <div class="form-group mb-5">
            <?php echo $this->session->flashdata('note');
?>
            <label for="exampleFormControlSelect2">Pilih
Gejala (Minimal 2 gejala)</label>
            <div class="boxes">

```

```

<table>
    <?php foreach ($gejala as $g) : ?>
        <tr>
            <td>
                <input type="checkbox"
id="<?=$g['id']; ?>" name="gejala[]" value="<?=$g['id']; ?>">
            </td>
            <td colspan="2">
                <?=$g['kode_gejala']; ?> |
<?=$g['nama_gejala']; ?>
            </td>
        </tr>
    <?php endforeach; ?>
</table>
<center>
    <button type="submit" class="btn btn-
primary mb-2">
        Diagnosis
    </button>
</center>
</form>
</div>
<!-- ===== Footer ===== -->

```

```

<footer id="footer" class="section-bg">
  <div class="container">
    <div class="copyright">
      &copy; Copyright by <strong> Senaku
2022</strong>
    </div>
    <div class="credits">
      <!--
      All the links in the footer should remain intact.
      You can delete the links only if you purchased the pro
version.
      Licensing information:
https://bootstrapmade.com/license/
      Purchase the pro version with working PHP/AJAX contact
form: https://bootstrapmade.com/buy/?theme=Rapid
      -->
      Designed by <a
href="https://bootstrapmade.com/">BootstrapMade</a>
    </div>
  </div>
</footer><!-- End Footer -->

<a href="#" class="back-to-top d-flex align-items-center
justify-content-center"><i class="bi bi-arrow-up-
short"></i></a>

```

```

<!-- Vendor JS Files -->
<script src="<?= base_url('assets/');
?>vendor/purecounter/purecounter.js"></script>
<script src="<?= base_url('assets/');
?>vendor/aos/aos.js"></script>
<script src="<?= base_url('assets/');
?>vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="<?= base_url('assets/');
?>vendor/glightbox/js/glightbox.min.js"></script>
<script src="<?= base_url('assets/'); ?>vendor/isotope-
layout/isotope.pkgd.min.js"></script>
<script src="<?= base_url('assets/');
?>vendor/swiper/swiper-bundle.min.js"></script>
<script src="<?= base_url('assets/'); ?>vendor/php-email-
form/validate.js"></script>

<!-- Template Main JS File -->
<script src="<?= base_url('assets/');
?>js/main.js"></script>

</body>

</html>

```

**Hasil.php**

<!DOCTYPE html>

```
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0"
name="viewport">

  <title>Sistem Pakar Kelinci</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="<?= base_url('assets/'); ?>img/logo.png"
rel="icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300
i,400,400i,600,600i,700,700i|Montserrat:300,400,500,600,700"
rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="<?= base_url('assets/'); ?>vendor/aos/aos.css"
rel="stylesheet">
  <link href="<?= base_url('assets/');
?>vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
```

```

    <link href="<?= base_url('assets/'); ?>vendor/bootstrap-
icons/bootstrap-icons.css" rel="stylesheet">

    <link href="<?= base_url('assets/');
?>vendor/glightbox/css/glightbox.min.css" rel="stylesheet">

    <link href="<?= base_url('assets/');
?>vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

    <!-- Template Main CSS File -->

    <link href="<?= base_url('assets/'); ?>css/style.css"
rel="stylesheet">

    <!--

=====

    * Template Name: Rapid - v4.7.1

    * Template URL: https://bootstrapmade.com/rapid-multipurpose-
bootstrap-business-template/

    * Author: BootstrapMade.com

    * License: https://bootstrapmade.com/license/

===== -->

</head>

<body>

    <!-- ===== Header ===== -->

    <header id="header" class="fixed-top d-flex align-items-
center header-transparent">

```

```

<div class="container d-flex align-items-center">
  <a class="navbar-brand">
    
  </a>
  <h1 class="logo me-auto"><a>BUNNYCARE</a></h1>
  <!-- Uncomment below if you prefer to use an image
logo -->
  <!-- <a href="index.html" class="logo me-auto"></a-->

  <nav id="navbar" class="navbar order-last order-lg-
0 ml-auto">
    <ul>
      <li><a class="nav-link scrollto active"
href="<?= base_url('user'); ?>">Home</a></li>
    </ul>
    <i class="bi bi-list mobile-nav-toggle"></i>
  </nav><!-- .navbar -->
</div>
</header><!-- End Header -->

<main id="main">

  <!-- ===== Hero Section ===== -->
  <section id="hero" class="clearfix">

```

```

<div class="container d-flex h-70">
  <div class="row justify-content-center align-
self-center" data-aos="fade-up">
    <div class="col-lg-6 intro-img order-lg-
first order-last" data-aos="zoom-out" data-aos-delay="200">
      
    </div>
    <div class="col-lg-6 intro-info order-lg-
last order-first" data-aos="zoom-in" data-aos-delay="100">
      <div class="card" style="width: 30rem;
">
        <div class="card-body">
          <h2 class="card-title">Hasil
Diagnosis</h2>
          <h4 class="card-text"> Nama
Kelinci : <?= $hasil['nama'] ?> | JK : <?=
$hasil['jeniskelamin'] ?> </h4>
          <h4 class="card-text"> Penyakit
: <?= $penyakit ?> </h4>
          <h4 class="card-text"> Nilai
akurasi : <?= $hasil['nilai'] ?> %</h4>
          <a href="<?=
base_url('user/tampilgejala'); ?>" class="btn btn-primary
tombol">Diagnosis Kembali</a>

```

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

</div>

</div>

</div>

</div>
</section><!-- End Hero -->
</main><!-- End #main -->

<!-- ===== Footer ===== -->
<footer id="footer" class="section-bg">
    <div class="container">
        <div class="copyright">
            &copy; Copyright by <strong> Senaku
2022</strong>
        </div>
        <div class="credits">
            <!--
                All the links in the footer should remain intact.
                You can delete the links only if you purchased the pro
version.

                Licensing information:
https://bootstrapmade.com/license/
            -->
        </div>
    </div>
</footer>
```

```

        Purchase the pro version with working PHP/AJAX contact
form: https://bootstrapmade.com/buy/?theme=Rapid
        -->
                Designed by <a
href="https://bootstrapmade.com/">BootstrapMade</a>
        </div>
</div>
</footer><!-- End Footer -->

        <a href="#" class="back-to-top d-flex align-items-center
justify-content-center"><i class="bi bi-arrow-up-
short"></i></a>

        <!-- Vendor JS Files -->
        <script src="<?= base_url('assets/');
?>vendor/purecounter/purecounter.js"></script>
        <script src="<?= base_url('assets/');
?>vendor/aos/aos.js"></script>
        <script src="<?= base_url('assets/');
?>vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
        <script src="<?= base_url('assets/');
?>vendor/glightbox/js/glightbox.min.js"></script>
        <script src="<?= base_url('assets/'); ?>vendor/isotope-
layout/isotope.pkgd.min.js"></script>
        <script src="<?= base_url('assets/');
?>vendor/swiper/swiper-bundle.min.js"></script>

```

```
<script src="<?= base_url('assets/'); ?>vendor/php-email-  
form/validate.js"></script>  
  
<!-- Template Main JS File -->  
<script src="<?= base_url('assets/');  
>js/main.js"></script>  
  
</body>  
  
</html>
```