

Koding Index.php

```
<?php  
header('location:media.php?module=home');
```

Koding Koneksi.php

```
<?php  
$host = "localhost";  
$user = "root";  
$pass = "angkutan";  
$name = "angkutan";  
  
$koneksi = mysql_connect($host,$user,$pass) or die("Koneksi ke database gagal!");  
mysql_select_db($name, $koneksi) or die("Tidak ada database yang dipilih!");  
?>
```

Koding Dinamis.php

```
<?php  
if ($_GET['module'] == 'home')  
{  
    include"tengah.php";  
}  
elseif ($_GET['module'] == 'lokasi')  
{  
    include"lokasi.php";  
}  
elseif ($_GET['module'] == 'trayek')  
{  
    $id = @$_GET['id'];  
    $sql = mysql_query("select * from trayek where id_trayek='$id'");  
    $var = mysql_fetch_array($sql);
```

?>

<script>

```
var garis = [
```

```
  <?php echo $var['maps'] ?>
```

```
];
```

```
var jalan = new google.maps.Polyline({
```

```
  path: garis,
```

```
  geodesic: true,
```

```
  strokeColor: '<?php echo $var['warna_garis'] ?>',
```

```
  strokeOpacity: 1.0,
```

```
  strokeWeight: 3
```

```
});
```

```
jalan.setMap(map);
```

```
}
```

</script>

<div class="container-fluid">

<div class="row">

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

<div id="map" style="width:100%; height:585px"></div>

</div>

</div>

<div class="col-md-4">

<div class="thumbnail">

<h3><?php echo \$var['trayek'] ?></h3>

```
<p>Berwarna <?php echo $var['warna_angkutan'] ?></p>
```

```

```

```
<div class="caption">
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-md-8">
```

```
<div class="jumbotron">
```

```
<h3 class="page-header text-center">Jalan Yang Dilewati</h3>
```

```
<table class="table table-striped table-responsive">
```

```
<thead>
```

```
<tr class="danger">
```

```
<th>Jalur Berangkat</th>
```

```
<th>Jalur Kembali</th>
```

```
<th>Biaya</th>
```

```
</tr>
```

```
<tbody>
```

```
<tr class="info">
```

```
<td><?php echo $var['jalurb'] ?></td>
```

```
<td><?php echo $var['jalurk'] ?></td>
```

```
<td><?php echo $var['biaya'] ?></td>
```

```
</tr>
```

```
</tbody>
```

```
</table>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<?php
```

```
}
```

```
?>
```

Koding Lokasi.php

```
<script>
```

```
if(navigator.geolocation) {
```

```
function visitorLocation(position) {
```

```
    var point = new google.maps.LatLng(position.coords.latitude,  
position.coords.longitude),
```

```
    myOptions = {
```

```
        zoom: 15,
```

```
        center: point,
```

```
        mapTypeId: google.maps.MapTypeId.ROADMAP
```

```
    },
```

```
    mapDiv = document.getElementById("map "),
```

```
    map = new google.maps.Map(mapDiv, myOptions),
```

```
    marker = new google.maps.Marker({
```

```
        position: point,
```

```
        map: map,
```

```
        icon:'gambar/marker.png',
```

```

        animation: google.maps.Animation.BOUNCE,
        title: "Lokasi Anda Sekarang"
    });
}
navigator.geolocation.getCurrentPosition(visitorLocation);
}
</script>
<div class="container-fluid">
<div class="row">
<div class="col-md-12">
<div id="map-canvas" style="width:100%; height:580px"></div>
</div>
</div>

```

Koding media.php

```

<!DOCTYPE HTML>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta name="description" content="">
    <meta name="author" content="">
    <title>Rute Angkutan Umum</title>
    <link href="css/bootstrap.min.css" rel="stylesheet">
    <style type="text/css">
        .navbar-inverse{
            background-color: darkblue;
            font-size: 18px;
        }
    html, body {

```

```

height: 100%;
padding-top : 35px;

background-color: Dodgerblue;
}
.jumbotron {
background-color : white;
}

</style>

<script
src="http://maps.googleapis.com/maps/api/js?key=AIzaSyDkaiTHYiWeJe7wdtyyDJ_87
h1lCa5chskE&libraries=places&language=id"></script>

<link rel="shortcut icon" href="gambar/marker.png" type="image/x-icon">

<link rel="icon" href="gambar/marker.png" type="image/x-icon">

</head>

<body onload="initialize()">

<nav class="navbar navbar-inverse navbar-fixed-top" role="navigation">
<div class="container">
<div class="navbar-header">
</div>
<button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#menu">
<span class="sr-only">Toggle Navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<a href="index.php" class="navbar-brand"><strong>HOME</strong></a>
<div class="container-fluid">

```

```

<div class="collapse navbar-collapse" id="menu">
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a class="dropdown-toggle" data-toggle="dropdown" href="#"><strong>Trayek
Angkutan</strong><span class="caret"></span></a>
      <ul class="dropdown-menu">
        <?php
          $sql = mysql_query("select * from trayek");
          while ($query = mysql_fetch_array($sql)) {
            ?>
            <li><a href="?module=trayek&id=?php echo $query['id_trayek'] ?>"><?php
echo $query['trayek'] ?></a></li>
            <?php
          }
        ?>
      </ul>
    </li>
  </ul>
  <form class="navbar-form navbar-left" role="search">
    <div class="btn-group">
      <p><a href="?module=lokasi" id="tampilkan" class="btn btn-warning"
role="button">Cek Lokasi</a></p>
    </div>
  </form>
</nav>
</div>

<?php include "dinamis.php" ?>

```

```
<script src="js/jquery-1.11.2.min.js"></script>
<script src="js/bootstrap.min.js"></script>
</body>
</html>
```

Koding tengah.php

```
<div class="container-fluid">
  <div class="row">

    <div class="col-md-6">
      <input placeholder="Isi Asal" id="origins" type="text" class="form-control">
    </div>

    <div class="form-group">
      <div class="col-md-6">
        <select class="form-control" id="destinations" name="destination">
          <?php
            $sql = mysql_query("select * from trayek");
            while ($query = mysql_fetch_array($sql)) {
              ?>
              <option value="<?php echo $query['titik_akhir'] ?>"><?php echo $query['trayek']
?></option>
            <?php
              }
            ?>
          </select>
        </div>
      </div>

      <div class="form-group">
        <div class="col-md-offsed-2 col-md-2">
```



```
<a name="tcari" class="btn btn-warning" onclick="calcRoute();">Cari</a>
</div>
```

```
<div class="col-md-4">
<input id="distance" type="text" placeholder="Jarak" class="form-control">
</div>
```

```
<div class="col-md-4">
<input id="billing" type="text" placeholder="Total Tarif" class="form-control">
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<br>
```

```
<div class="col-md-6">
```

```
<div id="map" style="width:100%; height:580px"></div></div>
```

```
<div class="col-md-6">
```

```
<div class="jumbotron" size="width:100%; height:100%">
```

```
<div id="directions-panel"></div>
```

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

```
<script type="text/javascript">
```

```
var map;
```

```
var geocoder;
```

```
var bounds = new google.maps.LatLngBounds();
```

```
var markersArray = [];
```

```
// setting marker untuk marker asal dan tujuan
```

```

var directionsDisplay;

var directionsService = new google.maps.DirectionsService();

// tentukan terlebih dahulu letak petanya
function initialize() {

    directionsDisplay = new google.maps.DirectionsRenderer();

    var opts = {
        center: new google.maps.LatLng(-5.4234849,105.2800475),
        zoom: 12,
        mapTypeId: google.maps.MapTypeId.ROADMAP
    };

    map = new google.maps.Map(document.getElementById('map'), opts);
    geocoder = new google.maps.Geocoder();

    // setting agar texfield pada kolom asal dan juga tujuan dapat memanggil fungsi
    autocomplete

    var asal = new
google.maps.places.Autocomplete((document.getElementById('origins')), { types:
['geocode'] });

    directionsDisplay.setMap(map);

    directionsDisplay.setOptions( { suppressMarkers: true } );

    directionsDisplay.setPanel(document.getElementById('directions-panel'));

}

/*
menghitung jarak dari data yg dikirim dari form
disini saya setting untuk mode DRIVING dan menggunakan jalan raya atau juga tol,
jika ingin mengganti konfigurasinya, silahkan ganti false dengan true
*/

```

```

function calcRoute() {
    var start = document.getElementById('origins').value;
    var end = document.getElementById('destinations').value;
    var request = {
        origin: start,
        destination: end,
        travelMode: google.maps.TravelMode.DRIVING
    };
    directionsService.route(request, function(response, status) {
        if (status == google.maps.DirectionsStatus.OK) {
            directionsDisplay.setDirections(response);
        }
    });

    var service = new google.maps.DistanceMatrixService();
    service.getDistanceMatrix(
    {
        origins: [document.getElementById("origins").value],
        destinations: [document.getElementById("destinations").value],
        travelMode: google.maps.TravelMode.DRIVING,
        unitSystem: google.maps.UnitSystem.METRIC,
        avoidHighways: false,
        avoidTolls: false
    }, callback);

}

// responde dari Googlemaps Distance Matrix akan diolah dan di kirim ke output
HTML

```

```
function callback(response, status) {
    var origins = response.originAddresses;
    var destinations = response.destinationAddresses;
    deleteOverlays();

    for (var i = 0; i < origins.length; i++) {
        var results = response.rows[i].elements;
        addMarker(origins[i], false);
        for (var j = 0; j < results.length; j++) {
            addMarker(destinations[j], true);
        }

        var str = results[1].distance.text;
        var distance = str.replace('3 km', '');
        var distance = distance.replace(',','');

        var end3 = document.getElementById('destinations').value;

        var biaya;
        switch(end3){
            case "-5.368705, 105.237457":
                biaya = '4000';
                break;
            case "-5.349043, 105.293653":
                biaya = '4000';
                break;
            case "-5.374756, 105.308478":
                biaya = '4000';
                break;
        }
    }
}
```

```
case "-5.385811, 105.311965":
    biaya = '4000';
    break;
case "-5.418853, 105.336124":
    biaya = '4000';
    break;
case "-5.438285, 105.290851":
    biaya = '4000';
    break;
case "-5.408959, 105.257459":
    biaya = '4000';
    break;
case "-5.398979, 105.203394":
    biaya = '4000';
    break;
case "-5.402797, 105.258798":
    biaya = '4000';
    break;
case "-5.390911, 105.215120":
    biaya = '4000';
    break;
case "-5.484104, 105.250412":
    biaya = '4000';
    break;
case "-5.505346, 105.337753":
    biaya = '4000';
    break;
case "-5.479641, 105.324865":
    biaya = '6000';
    break;
```

```

    case "-5.444208, 105.282326":
        biaya = '6000';
        break;
    case "-5.360713, 105.304312":
        biaya = '6000';
        break;
}

var tarif = "Rp."+ formatNumber(biaya)+",-";
document.getElementById("billing").value = tarif;
document.getElementById("distance").value = results[0].distance.text;

}
}
}

// fungsi sederhana untuk mengkonversi bilangan bulat menjadi format kurs rupiah
function formatNumber (num) {
    return num.toString().replace(/(\d)(?=\d{3})+(?!\d)/g, "$1.")
}

// menampilkan marker untuk origin dan juga destination
function addMarker(location, isDestination) {

    var end2 = document.getElementById('destinations').value;

    var info;
    switch(end2){
        case "-5.368705, 105.237457":
            info = '<h4>Jalan Dilalui :</h4><br>Pasar Tengah – Jl. RA. Kartini – Jl. Teuku Umar – Jl. ZA. Pagar Alam – Terminal Rajabasa.';

```

break;

case "-5.349043, 105.293653":

info = '<h4>Jalan Dilalui :</h4>
Pasar Tengah – Jl. RA. Kartini – Jl. Teuku Umar – Jl. Padjajaran - Jl. Urip Sumoharjo – Jl. Ki maja – Jl. Ratu Dibalau – Way Kandis.';

break;

case "-5.374756, 105.308478":

info = '<h4>Jalan Dilalui :</h4>
Terminal Pasar Bawah – Jl. Pemuda – Jl. Pangeran Antasari – Jl. Sultan Ageng Tirtayasa – Jl. mPulau Legundi – Jl. Hendro Suratmin – Lapngan Golf.';

break;

case "-5.385811, 105.311965":

info = '<h4>Jalan Dilalui :</h4>
Terminal Pasar Bawah – Jl. Pemuda – Jl. Padjajaran - Jl. Urip Sumoharjo – Jl. Hendro Suratmin – Jl. Pulau Sebesi – Permata Biru.';

break;

case "-5.418853, 105.336124":

info = '<h4>Jalan Dilalui :</h4>
Terminal Ps. Bawah – Jl. Pemuda – Jl. Pangeran Antasari – Jl. Soekarno-Hatta – Jl. Pang. Tirtayasa – Simpang Jl. Ir. Soetami';

break;

case "-5.438285, 105.290851":

info = '<h4>Jalan Dilalui :</h4>
Terminal Ps. Bawah – Jl. Pemuda – Jl. Raden Intan – Jl. Tulang Bawang – Jl. Hos Cokro Aminoto – Jl. KS. Tubun – Jl. Gajah Mada – Jl. Gatot Subroto - Garuntang.';

break;

case "-5.408959, 105.257459":

info = '<h4>Jalan Dilalui :</h4>
Terminal Ps. Bawah – Jl. Pemuda – Jl. Raden Intan – Jl. Pangeran Diponegoro – Jl. Mayor Salim Batubara - Jl. Yos Sudarso – Terminal Sukaraja.';

break;

case "-5.398979, 105.203394":

info = '<h4>Jalan Dilalui :</h4>
Jl. Agus Salim – Jl. Sisinga mangaraja – Jl. Imam Bonjol – Jl. Cik Ditiro – Prumnas Kemiling.';

break;

case "-5.402797, 105.258798":

```

        info = '<h4>Jalan Dilalui :</h4><br>Jl. RA. Kartini _ Jl. Teuku Umar - Jl Sam
Ratulangi – Jl. Imam Bonjol – Jl. Sisingamangaraja.';

        break;

        case "-5.390911, 105.215120":

            info = '<h4>Jalan Dilalui :</h4><br>Terminal Rajabasa – Jl. Pramuka – Terminal
Kemiling.';

            break;

            case "-5.484104, 105.250412":

                info = '<h4>Jalan Dilalui :</h4><br>Pasar Cimeng – Jl. RE. Martadinata –
Lempasing.';

                break;

                case "-5.505346, 105.337753":

                    info = '<h4>Jalan Dilalui :</h4><br>Terminal Sukaraja – Jl. Yos Sudarso – Jl. Jl.
SoekarnoHatta – Srengsem.';

                    break;

                    case "-5.479641, 105.324865":

                        info = '<h4>Jalan Dilalui :</h4><br>Terminal Rajabasa – Jl. Soekarno_Hatta –
Terminal Panjang.';

                        break;

                        case "-5.444208, 105.282326":

                            info = '<h4>Jalan Dilalui :</h4><br>Terminal Rajabasa – Jl. ZA. Pagaralam – Jl.
Teuku Umar – Jl. Kotaraja – Jl. Radin intan – Jl. Diponegoro – Jl. Hasanudin – Jl. Yos
Sudarso – Terminal Sukaraja.';

                            break;

                            case "-5.360713, 105.304312":

                                info = '<h4>Jalan Dilalui :</h4><br>Jl. LetJen. Ryacudu – Jl. Sultan Agung – Jl.
Teuku Umar – Jl. Kota Raja – Jl. Radin Intan – Jl. A. Yani – Jl. Wolter Magonsidi – Jl.
Dr. Warsito – Jl. Hasanudin - Jl. Yos Sudarso – Terminal Sukaraja.';

                                break;

                                }

        var contentString = info;

        var infowindow = new google.maps.InfoWindow({

```



```
        content: contentString
    });
var end1 = document.getElementById('destinations').value;

var gambar_tanda;
switch(end1){
case "-5.368705, 105.237457":
    gambar_tanda = 'gambar/irajabasa.png';
    break;
case "-5.349043, 105.293653":
    gambar_tanda = 'gambar/imwayhalim.png';
    break;
case "-5.374756, 105.308478":
    gambar_tanda = 'gambar/isukarame.png';
    break;
case "-5.385811, 105.311965":
    gambar_tanda = 'gambar/ipb.png';
    break;
case "-5.418853, 105.336124":
    gambar_tanda = 'gambar/isutami.png';
    break;
case "-5.438285, 105.290851":
    gambar_tanda = 'gambar/igaruntang.png';
    break;
case "-5.408959, 105.257459":
    gambar_tanda = 'gambar/iteluk.png';
    break;
case "-5.398979, 105.203394":
    gambar_tanda = 'gambar/ikemiling.png';
    break;
```

```
case "-5.402797, 105.258798":
    gambar_tanda = 'gambar/iratulangi.png';
    break;
case "-5.390911, 105.215120":
    gambar_tanda = 'gambar/ibasakmiling.png';
    break;
case "-5.484104, 105.250412":
    gambar_tanda = 'gambar/icimenglempasing.png';
    break;
case "-5.505346, 105.337753":
    gambar_tanda = 'gambar/ipanjang.png';
    break;
case "-5.479641, 105.324865":
    gambar_tanda = 'gambar/ibr.t.png';
    break;
case "-5.444208, 105.282326":
    gambar_tanda = 'gambar/ibr.t.png';
    break;
case "-5.360713, 105.304312":
    gambar_tanda = 'gambar/ibr.t.png';
    break;
}
```

```
var destinationIcon =gambar_tanda;
var originIcon ="gambar/marker.png" ;
var icon;
if (isDestination) {
    icon = destinationIcon;
} else {
```

```
    icon = originIcon;
  }
  geocoder.geocode({'address': location}, function(results, status) {
    if (status == google.maps.GeocoderStatus.OK) {
      bounds.extend(results[0].geometry.location);
      map.fitBounds(bounds);
      var marker = new google.maps.Marker({
        map: map,
        position: results[0].geometry.location,
        icon: icon
      });
      markersArray.push(marker);
    } else {
      alert("Terjadi kesalahan: "
        + status);
    }
  }
```

```
    google.maps.event.addListener(marker, 'click', function() {
      infowindow.open(map,marker);
    });
  });
}
```

// menghapus koordinat marker sebelumnya dan menggantinya dengan koordinat yang baru

```
function deleteOverlays() {
  if (markersArray) {
    for (i in markersArray) {
      markersArray[i].setMap(null);
    }
  }
}
```

```
}  
  markersArray.length = 0;  
}  
}  
</script>
```