

A. Lampiran Kode Program SOAP dari sisi Client

```
<?php
//include nusoap library
require 'nusoap/lib/nusoap.php';

//wsdl configuration
$wsdl = 'http://192.168.1.5/jadwal_flight_garuda/server/index.php?wsdl';

//create instance
$ws_client = new nusoap_client ( $wsdl, true );

//header configuration
$user = "wsclient";
$password = "secret";

//encrypt header value
$user = base64_encode ( $user );
$password = base64_encode ( $password );

$header = '<AuthSoapHeader>
                <UserName>' . $user . '</UserName>
                <Password>' . $password . '</Password>
            </AuthSoapHeader>';

//set header
```

```

$ws_client->setHeaders ( $header );

function call_hello($t_asal, $t_tujuan, $tanggal_awal) { global $ws_client;

    //parameters configuration

    $params = array ('t_asal' => $t_asal, 't_tujuan' => $t_tujuan,
'tanggal_awal' => $tanggal_awal);

    //call method service

    $ws_data = $ws_client->call ( 'hello', $params);//buat panggil server

    //decode data

    $ws_data = unserialize ( base64_decode ( $ws_data ) );

    return $ws_data; }

function call_kd_flight($kd_flight) {

    global $ws_client;

    //parameters configuration

    $params = array ('kd_flight'=>$kd_flight);

    //call method service

    $ws_data = $ws_client->call ( 'call_kd_flight', $params);//buat panggil
server

    //decode data

    $ws_data = unserialize ( base64_decode ( $ws_data ) );

    return $ws_data; } ?>

```

B. Lampiran Kode Program SOAP dari sisi Server

```
<?php

if (! defined ( 'MUST_FROM_INDEX' )) exit ( 'Cannot access file directly' );

//Create WS Service Instance with WSDL

$ws_svr = new nusoap_server ();

$ws_svr->soap_defencoding = 'UTF-8';

$ws_svr->configureWSDL ( WS_NAMA_KELOMPOK, 'urn:'.
WS_NAMA_WSDL );

//Function CheckAuth - User Authentication

function CheckAuth($p_header) {

    global $ws_svr;

    $arr_h = $p_header;

    $user_name = $arr_h ['AuthSoapHeader'] ['UserName'];

    $password = $arr_h ['AuthSoapHeader'] ['Password'];

    $user_name = base64_decode($user_name);

    $password = base64_decode($password);

    $return = false;

    if (($user_name == 'wsclient') & ($password == 'secret')) {

        $return = true;

    } else {
```

```

        $ws_svr->fault ( 'WSS-ERR-LOGIN-001',
'INVALID_USER_OR_PASSWORD', 'LOGIN', 'Kombinasi User dan Password
Salah' );

```

```

        $return = false;

```

```

    }

```

```

    return $return;

```

```

}

```

```

function hello($t_asal, $t_tujuan, $tanggal_awal) {

```

```

    global $ws_svr;

```

```

    global $koneksi;

```

```

    global $db;

```

```

    mysql_select_db($db,$koneksi);

```

```

    if (! CheckAuth ( $ws_svr->requestHeader )) {

```

```

        $return ['sapa'] = "";

```

```

    } else {

```

```

        $query=mysql_query("select * from jadwal_penerbangan
where asal='$t_asal' and tujuan='$t_tujuan' and tanggal = '$tanggal_awal'");

```

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        while ($row=mysql_fetch_assoc($query)){

```

```

            $return_data[] = $row; // coding yang diedit

```

```

        }

```

```

    }

```

```

    $return['data'] = $return_data;

```

```
//decode data

$return = base64_encode ( serialize ( $return ) );

return $return; }

//Register Function to Service

$ws_svr->register ( 'hello',

                array ('t_asal' => 'xsd:string', 't_tujuan' => 'xsd:string',
'tanggal_awal' => 'xsd:string' ),

                array ('return' => 'xsd:string' ),

                'urn:' . WS_NAMA_WSDL,

                'urn:' . WS_NAMA_WSDL . '#hello',

                'rpc',

                'encoded',

                'Deskripsi fungsi hello' );

//Create The Service Response

$HTTP_RAW_POST_DATA = isset ( $HTTP_RAW_POST_DATA ) ?
$HTTP_RAW_POST_DATA : "";

$ws_svr->service ( $HTTP_RAW_POST_DATA );

exit ();

?>
```