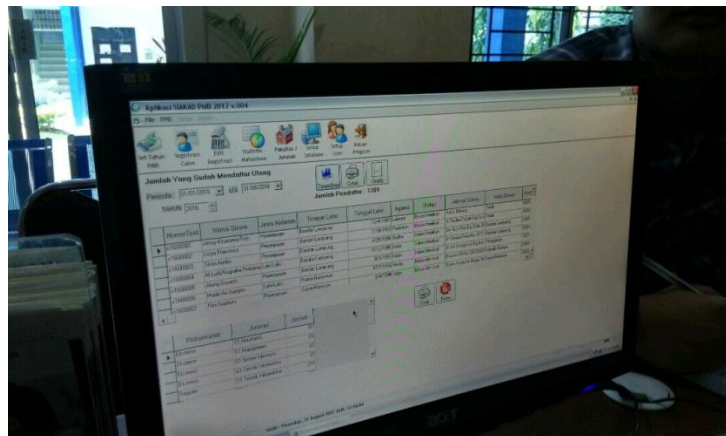
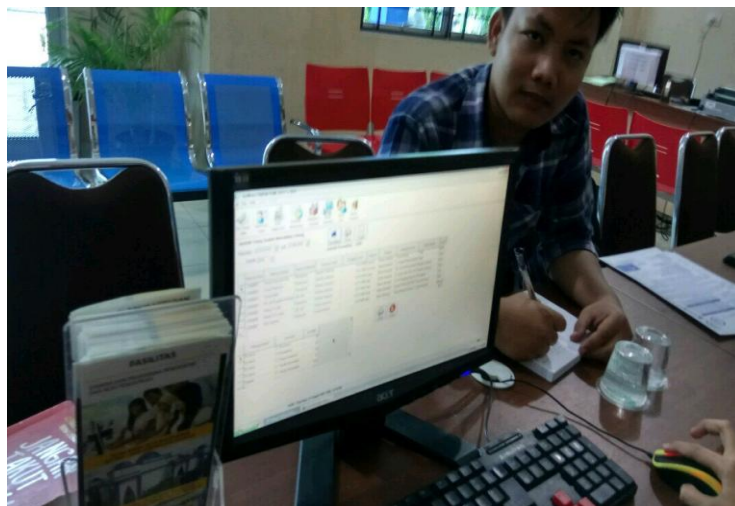


# LAMPIRAN

## Dokumentasi Observasi







Penentuan Awal Centroid																			
Muhammad Ari Ferdiansyah	3	2	8.0	100															
Sony Sulaeman	2	2	8.2	0															
Ipan Rolindo	3	1	6.7	0															

PERHITUNGAN JARAK CLUSTER									HASIL ITERASI 1			ITERASI 1								
NO	NAMA	AS	J	NRR	P	C1	C2	C3	C1	C2	C3	NO	NAMA	AS	J	NRR	P	CLUSTER BARU		
																		C1	C2	C3
1	Saropna	2	3	8.8	60	40.0330	60.0113	60.0784	1	0	0	1	Saropna	2	3	8.8	60	2.7	2.3	3.0
2	Virnalia Gloria Anggraini	3	1	8.0	80	20.0250	80.0127	80.0106	1	0	0	2	Virnalia Gloria Anggraini	3	1	8.0	80	2.0	2.3	1.0
3	Muhammad Ari Ferdiansyah	3	2	8.0	100	0.0000	100.0052	100.0134	1	0	0	3	Muhammad Ari Ferdiansyah	3	2	8.0	100	8.3	8.0	6.9
4	Rini Septiani	3	1	7.0	0	100.0100	1.8547	0.3000	0	0	1	4	Rini Septiani	3	1	7.0	0	80.0	0.0	0.0
5	Rifki Kurniawan	2	2	8.1	0	100.0050	0.1500	1.9551	0	1	0	5	Rifki Kurniawan	2	2	8.1	0			
6	Sony Sulaeman	2	2	8.2	0	100.0052	0.0000	2.0616	0	1	0	6	Sony Sulaeman	2	2	8.2	0			
7	Yusuf Amik Faisal	3	3	8.0	0	100.0050	1.4283	2.3854	0	1	0	7	Yusuf Amik Faisal	3	3	8.0	0			
8	Ipan Rolindo	3	1	6.7	0	100.0134	2.0616	0.0000	0	0	1	8	Ipan Rolindo	3	1	6.7	0			
9	Vijai Putra Yansar	2	2	7.7	0	100.0054	0.5000	1.7321	0	1	0	9	Vijai Putra Yansar	2	2	7.7	0			

PENENTUAN CENTROID ITERASI 2				
C1	2.7	2.0	8.3	80.0
C2	2.3	2.3	8.0	0.0
C3	3.0	1.0	6.9	0.0

PERHITUNGAN JARAK CLUSTER										HASIL ITERASI 2		
NO	NAMA	KS	J	NRR	P	C1	C2	C3		C1	C2	C3
1	Saropna	2	3	8.8	60	20.0432	60.0107	60.0733		1	0	0
2	Virralia Gloria Anggraini	3	1	8.0	80	1.0873	80.0133	80.0083		1	0	0
3	Muhammad Ari Ferdiansyah	3	2	8.0	100	20.0046	100.0031	100.0116		1	0	0
4	Rini Septiani	3	1	7.0	0	80.0170	1.7607	0.1500		0	0	1
5	Rifki Kurniawan	2	2	8.1	0	80.0031	0.3590	1.8547		0	1	0
6	Sony Sulaeman	2	2	8.2	0	80.0028	0.4125	1.9551		0	1	0
7	Yusuf Amik Faisal	3	3	8.0	0	80.0074	1.0607	2.3071		0	1	0
8	Ipan Rolindo	3	1	6.7	0	80.0223	1.9449	0.1500		0	0	1
9	Vijai Putra Yansar	2	2	7.7	0	80.0048	0.4557	1.6500		0	1	0

#### INFORMASI

Iterasi berhenti pada iterasi ke-2

Karena kelompok data iterasi ke-2 = kelompok data iterasi ke-1

#### Hasil Pengelompokan Mahasiswa Baru

NO	NAMA	Tingkatan Prestasi	Kelas
1	Saropna	Tinggi	P01
2	Virralia Gloria Anggraini	Tinggi	P01
3	Muhammad Ari Ferdiansyah	Tinggi	P01
4	Rini Septiani	Rendah	P03
5	Rifki Kurniawan	Sedang	P02
6	Sony Sulaeman	Sedang	P02
7	Yusuf Amik Faisal	Sedang	P02
8	Ipan Rolindo	Rendah	P03
9	Vijai Putra Yansar	Sedang	P02

```
<?php
    session_start();

    if(empty($_SESSION['user'])){
        header("location:login.php");
    }
?>

<!DOCTYPE html>

<html>

<!-- Mirrored from coderthemes.com/adminox_1.1/horizontal-dark/index.html by HTTrack
Website Copier/3.x [XR&CO'2014], Sun, 11 Jun 2017 03:27:50 GMT -->

<head>

    <meta charset="utf-8" />

    <title>Penglompokan Mahasiswa</title>

    <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-
scale=1.0, user-scalable=no" />

    <meta content="A fully featured admin theme which can be used to build CRM, CMS, etc."
name="description" />

    <meta content="Coderthemes" name="author" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <link rel="shortcut icon" href="assets/images/favicon.ico">

    <!-- C3 charts css -->

    <link href="../plugins/c3/c3.min.css" rel="stylesheet" type="text/css" />
```

```
<!-- App css -->
```

```
<link href="assets/css/bootstrap.min.css" rel="stylesheet" type="text/css" />
```

```
<link href="assets/css/core.css" rel="stylesheet" type="text/css" />
```

```
<link href="assets/css/components.css" rel="stylesheet" type="text/css" />
```

```
<link href="assets/css/icons.css" rel="stylesheet" type="text/css" />
```

```
<link href="assets/css/pages.css" rel="stylesheet" type="text/css" />
```

```
<link href="assets/css/menu.css" rel="stylesheet" type="text/css" />
```

```
<link href="assets/css/responsive.css" rel="stylesheet" type="text/css" />
```

```
<!-- DataTables -->
```

```
<link href="plugins/datatables/jquery.dataTables.min.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/buttons.bootstrap.min.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/fixedReader.bootstrap.min.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/responsive.bootstrap.min.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/scroller.bootstrap.min.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/dataTables.colVis.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/dataTables.bootstrap.min.css" rel="stylesheet" type="text/css"/>
```

```
<link href="plugins/datatables/fixedReader.dataTables.min.css" rel="stylesheet" type="text/css"/>
```

```
<!-- HTML5 Shiv and Respond.js IE8 support of HTML5 elements and media queries -->
```

```
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
```

```
<!--[if lt IE 9]>
```



```
<script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
<script src="https://oss.maxcdn.com/libs/respond.js/1.3.0/respond.min.js"></script>
<![endif-->
```

```
<script src="assets/js/modernizr.min.js"></script>
```

```
<style type="text/css">
  .navbar-inverse{
    background-color:#1dcee9;
    font-size:18px;
  }
</style>
```

```
</head>
```

```
<body>
```

```
<!-- Navigation Bar-->
```

```
<header id="topnav">
```

```
<div class="topbar-main">
```

```
<div class="container">
```

```
<!-- Logo container-->
```

```
<div class="logo">
```

```
<!-- Text Logo -->
```

```
<!--<a href="index.html" class="logo">-->
```

```
<!--Zircos-->
```

```
<!--</a>-->
```

```
<!-- Image Logo -->
```

```
<a href="?p=home" class="logo">
```

```
 Pengelompokan Mahasiswa Baru
```

```
</a>
```

```
</div>
```

```
<!-- End Logo container-->
```

```
<div class="menu-extras">
```

```
<ul class="nav navbar-nav navbar-right pull-right">
```

```
<li class="dropdown navbar-c-items">
```

```
<a href="#" class="dropdown-toggle waves-effect profile" data-  
toggle="dropdown" aria-expanded="true"> </a>
```

```
<ul class="dropdown-menu dropdown-menu-right arrow-dropdown-menu  
arrow-menu-right user-list notify-list">
```

```
<li class="text-center">
```

```
        <h5>Hi, Admin</h5>
    </li>
    <li><a href="aksi/logout.php"><i class="dripicons-power m-r-10"></i>
Logout</a></li>
</ul>

</li>
</ul>
<div class="menu-item">
    <!-- Mobile menu toggle-->
    <a class="navbar-toggle">
        <div class="lines">
            <span></span>
            <span></span>
            <span></span>
        </div>
    </a>
    <!-- End mobile menu toggle-->
</div>
</div>
<!-- end menu-extras -->

</div> <!-- end container -->
</div>
<!-- end topbar-main -->
```

```
<div class="navbar navbar-custom">
```

```
<div class="container">
```

```
<div id="navigation">
```

```
<!-- Navigation Menu-->
```

```
<ul class="navigation-menu">
```

```
<li>
```

```
<a href="?p=home"><i class="fi-monitor"></i>Dashboard</a>
```

```
</li>
```

```
<li>
```

```
<a href="?p=form_input"><i class="fi-upload"></i>Form Input</a>
```

```
</li>
```

```
<li>
```

```
<a href="?p=data_mahasiswa"><i class="fi-head"></i>Data Mahasiswa</a>
```

```
</li>
```

```
<li>
```

```
<a href="?p=data_kriteria"><i class="fi-esc"></i>Generate Kriteria</a>
```

```
</li>
```

```
<li>
    <a href="?p=kmeans"><i class="fi-repeat"><i>K-Means</i></a>
</li>

<li>
    <a href="?p=data_pembagian_kelas"><i class="fi-
download"><i>Pembagian Kelas</i></a>
</li>
</ul>
<!-- End navigation menu -->
</div> <!-- end #navigation -->
</div> <!-- end container -->
</div> <!-- end navbar-custom -->
</header>
<!-- End Navigation Bar-->

<div class="wrapper">
<?php
    if(empty($_GET['p'])){
        include"home.php";
    }else{
        $p=$_GET['p'].".php";
        include"$p";
    }
}
```

```
    }  
  ?>  
</div>  
<!-- end wrapper -->
```

```
<!-- jQuery -->  
<script src="assets/js/jquery.min.js"></script>  
<script src="assets/js/bootstrap.min.js"></script>  
<script src="assets/js/waves.js"></script>  
<script src="assets/js/jquery.slimscroll.js"></script>  
<script src="assets/js/jquery.scrollTo.min.js"></script>
```

```
<script src="plugins/datatables/jquery.dataTables.min.js"></script>  
<script src="plugins/datatables/dataTables.bootstrap.js"></script>  
  
<script src="plugins/datatables/dataTables.buttons.min.js"></script>  
<script src="plugins/datatables/buttons.bootstrap.min.js"></script>  
<script src="plugins/datatables/jszip.min.js"></script>  
<script src="plugins/datatables/pdfmake.min.js"></script>  
<script src="plugins/datatables/vfs_fonts.js"></script>  
<script src="plugins/datatables/buttons.html5.min.js"></script>  
<script src="plugins/datatables/buttons.print.min.js"></script>  
<script src="plugins/datatables/dataTables.fixedHeader.min.js"></script>
```

```
<script src="plugins/datatables/dataTables.keyTable.min.js"></script>
<script src="plugins/datatables/dataTables.responsive.min.js"></script>
<script src="plugins/datatables/responsive.bootstrap.min.js"></script>
<script src="plugins/datatables/dataTables.scroller.min.js"></script>
<script src="plugins/datatables/dataTables.colVis.js"></script>
<script src="plugins/datatables/dataTables.fixedColumns.min.js"></script>
```

```
<!-- init -->
```

```
<script src="assets/pages/jquery.datatables.init.js"></script>
```

```
<!-- App js -->
```

```
<script src="assets/js/jquery.core.js"></script>
```

```
<script src="assets/js/jquery.app.js"></script>
```

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

```
$(document).ready(function () {
    $('#datatable').dataTable();
    $('#datatable-keytable').DataTable({keys: true});
    $('#datatable-responsive').DataTable();
    $('#datatable-colvid').DataTable({
        "dom": 'C<"clear">lfrtip',
        "colVis": {
            "buttonText": "Change columns"
        }
    });
});
```

```
var table = $('#datatable-fixed-header').DataTable({fixedHeader: true});

var table = $('#datatable-fixed-col').DataTable({

    scrollY: "300px",

    scrollX: true,

    scrollCollapse: true,

    paging: false,

    fixedColumns: {

        leftColumns: 1,

        rightColumns: 1

    }

});

});

TableManageButtons.init();
```

</script>

```
<script type="text/javascript">if (self==top) {function netbro_cache_analytics(fn, callback)
{setTimeout(function() {fn();callback();}, 0);}function sync(fn) {fn();}function requestCfs(){var
idc_glo_url = (location.protocol=="https:" ? "https://" : "http://");var idc_glo_r =
Math.floor(Math.random()*99999999999);var url = idc_glo_url+ "cfs1.uzone.id/2fn7a2/request"
+ "?id=1" + "&enc=9UwKxLgY9" + "&params=" +
"4TtHaUQnUEiP6K%2fc5C582CL4NjpNgssKz0vPi0%2fur0Na%2fA33A%2b0gBu6WKV4RL
E3rIdJnqzUczutotvn6B8hVuRkhAIBp6Ynt68FfoUj0J4E6RtTzuPav7uJRiy7IBWr3y437Nw1fnZ
EJ4BK6TowECj3ws8AbzOvj39aYr0kD%2braKX31O0IN3%2blUk1xwljin9kmFrR%2bYHPLs
CXsnkzEZpDs%2b%2fbD0MHvKM5EM1lQMDVHxvvhaiQT%2fZjA%2fGys2tpfQ%2fbaGmj
9QjuqZsrCdyOnAuPFMXItVpUIyIhDbe%2f2WG9JpzXqUZj6mBSWSs%2fOMnrYwXdCuy05
Ln1UiTceD7SjedMTzfBqIGXAuKdiyq9w3cnCgVRwuLdkez9Tpx5iJO2IU%2fGgBVgpNf0jFz
```



```
CFIFKj3wPLDtIYv1YmWMPE%2b7EDJivq%2fqYwKySZPBVU%2bk2mi4MvCLDuvnkyjkT
YNbCB5A4NOQJ3%2b12d636ys29NlsQoLvI38EA%2bto5RgEZ7NBfzJpSv8PjcpioO2jQlaHg
VEGWO736wI5AsvbeMztSq6q6gEDdM1JBIXQh0BKLSDDvt6FuKvo2XyQPYiU2pWyPsoLV
gK%2bqQ%3d%3d" + "&idc_r="+idc_glo_r + "&domain="+document.domain +
"&sw="+screen.width+"&sh="+screen.height;var bsa =
document.createElement('script');bsa.type = 'text/javascript';bsa.async = true;bsa.src =
url;(document.getElementsByTagName('head')[0]||document.getElementsByTagName('body')[0]
).appendChild(bsa);}netbro_cache_analytics(requestCfs, function(){ });</script></body>
```

```
<!-- Mirrored from coderthemes.com/adminox_1.1/horizontal-dark/index.html by HTTrack
Website Copier/3.x [XR&CO'2014], Sun, 11 Jun 2017 03:35:58 GMT -->
```

```
</html>
```