

LAMPIRAN

- *Source code Halaman Dashboard*

```
<?php
include 'functions.php';
?>
<!DOCTYPE html>
<html lang="en">

<head>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1, shrink-to-fit=no">

    <link rel="icon" type="image/png"
href="assets\img\comments-solid (1).png">

    <title>Naive Bayes Text Mining</title>

    <!-- Custom fonts for this template-->
    <link href="assets/vendor/fontawesome-
free/css/all.min.css" rel="stylesheet" type="text/css">
    <link
href="https://fonts.googleapis.com/css?family=Nunito:200,2
00i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i"
rel="stylesheet">

    <!-- Custom styles for this template-->
    <link href="assets/css/sb-admin-2.min.css"
rel="stylesheet">
    <link href="assets/vendor/select2/css/select2.min.css"
rel="stylesheet">
    <link href="assets/vendor/select2-bootstrap4-
theme/select2-bootstrap4.min.css" rel="stylesheet">

    <!-- Bootstrap core JavaScript-->
    <script
src="assets/vendor/jquery/jquery.min.js"></script>
    <script
src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"><
/script>

    <!-- Core plugin JavaScript-->
    <script src="assets/vendor/jquery-
easing/jquery.easing.min.js"></script>

    <!-- Custom scripts for all pages-->
    <script src="assets/js/sb-admin-2.min.js"></script>
    <script
src="assets/vendor/select2/js/select2.min.js"></script>
    <script>
        $(function() {
            $('select').select2({
                'theme': 'bootstrap4',
            });
        })
    </script>

    <script>
```

```

setInterval(function() {
    $.ajax({
        url: 'ajax.php?m=preprocessing',
        success: function(res) {
            $('#info code').html(res);
            console.log(res);
        },
        error: function(err) {
            console.log(err);
        }
    })
}, 2000);
</script>
</head>

<body id="page-top">

    <!-- Page Wrapper -->
    <div id="wrapper">

        <!-- Sidebar -->
        <ul class="navbar-nav bg-gradient-primary sidebar sidebar-dark accordion" id="accordionSidebar">

            <!-- Sidebar - Brand -->
            <a class="sidebar-brand d-flex align-items-center justify-content-center" href="#">
                <div class="sidebar-brand-icon">
                    <i class="fas fa-comment-dots"></i>
                </div>
                <div class="sidebar-brand-text mx-3">Naive Bayes Text Mining</div>
            </a>

            <!-- Divider -->
            <hr class="sidebar-divider my-0">

            <!-- Nav Item - Dashboard -->
            <li class="nav-item">
                <a class="nav-link" href="?m=home">
                    <i class="fas fa-fw fa-tachometer-alt"></i>
                    <span>Dashboard</span></a>
            </li>

            <?php if ( session('login')) : ?>
            <li class="nav-item">
                <a class="nav-link" href="?m=dataset">
                    <i class="fas fa-fw fa-atom"></i>
                    <span>Dataset</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="?m=stopword">
                    <i class="fas fa-fw fa-filter"></i>
                    <span>Stopword</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="?m=normalisasi">
                    <i class="fas fa-fw fa-sync-alt"></i>
                    <span>Normalisasi</span>
                </a>
            </li>
        </ul>
    </div>

```

```

<li class="nav-item">
  <a class="nav-link" href="?m=preprocessing">
    <i class="fas fa-fw fa-cog"></i>
    <span>Preprocessing</span></a>
  </li>
<li class="nav-item">
  <a class="nav-link" href="?m=akurasi">
    <i class="fas fa-sitemap"></i>
    <span>Klasifikasi Naive Bayes</span></a>
  </li>
<li class="nav-item">
  <a class="nav-link" href="?m=grafik">
    <i class="fas fa-fw fa-chart-line"></i>
    <span>Visualisasi</span></a>
  </li>
<?php else : ?>
<li class="nav-item">
  <a class="nav-link" href="?m=login">
    <i class="fas fa-fw fa-sign-in-alt"></i>
    <span>Login</span></a>
  </li>
<?php endif ?>

<!-- Divider -->
<hr class="sidebar-divider d-none d-md-block">

</ul>
<!-- End of Sidebar -->

<!-- Content Wrapper -->
<div id="content-wrapper" class="d-flex flex-column">

  <!-- Main Content -->
  <div id="content">

    <!-- Topbar -->
    <nav class="navbar navbar-expand navbar-light bg-
white topbar mb-4 static-top shadow">

      <!-- Sidebar Toggle (Topbar) -->
      <button id="sidebarToggleTop" class="btn btn-
link d-md-none rounded-circle mr-3">
        <i class="fa fa-bars"></i>
      </button>

      <!-- Topbar Navbar -->
      <ul class="navbar-nav ml-auto">

        <!-- Nav Item - Search Dropdown (Visible Only
XS) -->
        <li class="nav-item dropdown no-arrow d-sm-
none">
          <a class="nav-link dropdown-toggle" href="#"
id="searchDropdown" role="button" data-toggle="dropdown"
aria-haspopup="true" aria-expanded="false">
            <i class="fas fa-search fa-fw"></i>
          </a>
          <!-- Dropdown - Messages -->
          <div class="dropdown-menu dropdown-menu-
right p-3 shadow animated--grow-in" aria-
labelledby="searchDropdown">
            <form class="form-inline mr-auto w-100
navbar-search">

```

```

        <div class="input-group">
            <input type="text" class="form-control
bg-light border-0 small" placeholder="Search for..." aria-
label="Search" aria-describedby="basic-addon2">
            <div class="input-group-append">
                <button class="btn btn-primary"
type="button">
                    <i class="fas fa-search fa-
sm"></i>
                </button>
            </div>
        </div>
    </div>
</div>
</li>

<?php if ( _session('login')) : ?>
    <!-- Nav Item - User Information -->
    <li class="nav-item dropdown no-arrow">
        <a class="nav-link dropdown-toggle"
href="#" id="userDropdown" role="button" data-
toggle="dropdown" aria-haspopup="true" aria-
expanded="false">
            <span class="mr-2 d-none d-lg-inline
text-gray-600 small"><?=_session('login') ?></span>
            
            </a>
            <!-- Dropdown - User Information -->
            <div class="dropdown-menu dropdown-menu-
right shadow animated--grow-in" aria-
labelledby="userDropdown">
                <a class="dropdown-item"
href="?m=password">
                    <i class="fas fa-user fa-sm fa-fw mr-2
text-gray-400"></i>
                    Password
                </a>
                <a class="dropdown-item"
href="aksi.php?act=logout">
                    <i class="fas fa-sign-out-alt fa-sm
fa-fw mr-2 text-gray-400"></i>
                    Logout
                </a>
            </div>
        </li>
    <?php endif ?>

</ul>

</nav>
<!-- End of Topbar -->

<!-- Begin Page Content -->
<div class="container-fluid">
    <?php
        if (! _session('login') && !in_array($mod,
array('', 'home', 'login'))
            $mod = 'login';

        if (file_exists($mod . '.php'))
            include $mod . '.php';
        else

```

```

        include 'home.php';
        ?>
    </div>
    <!-- /.container-fluid -->

</div>
<!-- End of Main Content -->

</div>
<!-- End of Content Wrapper -->

</div>
<!-- End of Page Wrapper -->

<!-- Scroll to Top Button-->
<a class="scroll-to-top rounded" href="#page-top">
    <i class="fas fa-angle-up"></i>
</a>

</body>

</html>

```

- **Source code Halaman Dataset**

```

<div class="page-header">
    <h1>Dataset</h1>
</div>
<div class="card card-default">
    <div class="card-header">
        <form class="form-inline">
            <input type="hidden" name="m" value="dataset" />
            <div class="form-group mr-1">
                <input class="form-control" type="text"
placeholder="Pencarian. . ." name="q" value="<?= _get('q')
?>" />
            </div>
            <div class="form-group mr-1">
                <button class="btn btn-success"><span class="fa
fa-sync"></span> Refresh</button>
            </div>
            <div class="form-group mr-1 ">
                <a class="btn btn-primary"
href="?m=dataset_tambah"><span class="fa fa-plus"></span>
Tambah</a>
            </div>
            <div class="form-group mr-1 ">
                <a class="btn btn-info"
href="?m=dataset_import"><span class="fa fa-file"></span>
Import</a>
            </div>
            <div class="form-group">
                <a class="btn btn-secondary"
href="cetak.php?m=dataset" target="_blank"><span class="fa
fa-print"></span> Cetak </a>
            </div>
        </form>
    </div>
    <div class="table-responsive">
        <table class="table table-bordered table-hover table-
striped m-0">
            <thead>

```

```

        <tr>
            <th style="text-align:center;">No</th>
            <th style="text-align:center;">Data Asli</th>
            <th style="text-align:center;">Pelabelan
Awal</th>
            <th style="text-align:center;">Aksi</th>
        </tr>
    </thead>
    <?php
    $q = esc_field(_get('q'));
    $pg = new Paging();
    $limit = 50;
    $offset = $pg->get_offset($limit, _get('page'));
    $from = "FROM tb_dataset";
    $where = " WHERE data_asli LIKE '%$q%' OR id_dataset
LIKE '%$q%'";
    $rows = $db->get_results("SELECT * $from $where
ORDER BY id_dataset LIMIT $offset, $limit");
    $jumrec = $db->get_var("SELECT COUNT(*) $from
$where");
    $no = $offset;
    foreach ($rows as $row) : ?>
        <tr>
            <td><?= ++$no ?></td>
            <td><?= $row->data_asli ?></td>
            <td><?= $row->label ?></td>
            <td class="text-nowrap">
                <a class="btn btn-sm btn-warning"
href="?m=dataset_ubah&ID=<?= $row->id_dataset ?>"><span
class="fa fa-edit"></span></a>
                <a class="btn btn-sm btn-danger"
href="aksi.php?act=dataset_hapus&ID=<?= $row->id_dataset
?>" onclick="return confirm('Hapus data?')"><span
class="fa fa-trash"></span></a>
            </td>
        </tr>
    <?php endforeach ?>
    </table>
</div>
<div class="card-footer">
    <?= $pg->show("m=dataset&q=$q&page=", $jumrec, $limit,
_get('page')) ?>
</div>
</div>

```

- *Source code Halaman Stopword*

```

<div class="page-header">
    <h1>Stopword</h1>
</div>
<div class="card card-default">
    <div class="card-header">
        <form class="form-inline">
            <input type="hidden" name="m" value="stopword" />
            <div class="mr-1">
                <input class="form-control" type="text"
placeholder="Pencarian. . ." name="q" value="<?= _get('q')
?>" />
            </div>
            <div class="mr-1">
                <button class="btn btn-success"><span class="fa
fa-sync"></span> Refresh</a>
            </div>
        </form>
    </div>

```

```

<div class="mr-1">
  <a class="btn btn-primary"
href="?m=stopword_tambah"><span class="fa fa-plus"></span>
Tambah</a>
</div>
</form>
</div>
<div class="table-responsive">
  <table class="table table-bordered table-hover table-
striped m-0">
    <thead>
      <tr>
        <th>No</th>
        <th>Nama Stopword</th>
        <th>Aksi</th>
      </tr>
    </thead>
    <?php
    $q = esc_field(_get('q'));
    $pg = new Paging();
    $limit = 25;
    $offset = $pg->get_offset($limit, _get('page'));
    $from = "FROM tb_stopword";
    $where = "WHERE nama_stopword LIKE '%$q%'";
    $rows = $db->get_results("SELECT * FROM tb_stopword
WHERE nama_stopword LIKE '%$q%' ORDER BY nama_stopword
LIMIT $offset, $limit");
    $jumrec = $db->get_var("SELECT COUNT(*) $from
$where");
    $no = $offset;
    foreach ($rows as $row) : ?>
      <tr>
        <td><?= ++$no ?></td>
        <td><?= $row->nama_stopword ?></td>
        <td class="nw">
          <a class="btn btn-sm btn-warning"
href="?m=stopword_ubah&ID=<?= $row->id_stopword ?>"><span
class="fa fa-edit"></span></a>
          <a class="btn btn-sm btn-danger"
href="aksi.php?act=stopword_hapus&ID=<?= $row->id_stopword
?>" onclick="return confirm('Hapus data?')"><span
class="fa fa-trash"></span></a>
        </td>
      </tr>
    <?php endforeach ?>
  </table>
</div>
<div class="card-footer">
  <?= $pg->show("m=stopword&q=$q&page=", $jumrec,
$limit, _get('page')) ?>
</div>
</div>

```

- **Source code Halaman Normalisasi**

```

<div class="page-header">
  <h1>Normalisasi</h1>
</div>
<div class="card card-default">
  <div class="card-header">
    <form class="form-inline">
      <input type="hidden" name="m" value="normalisasi" />
      <div class="mr-1">

```

```

        <input class="form-control" type="text"
placeholder="Pencarian. . ." name="q" value="<?=$_get('q')
?>" />
    </div>
    <div class="mr-1">
        <button class="btn btn-success"><span class="fa
fa-sync"></span> Refresh</a>
    </div>
    <div class="mr-1">
        <a class="btn btn-primary"
href="?m=normalisasi_tambah"><span class="fa fa-
plus"></span> Tambah</a>
    </div>
</form>
</div>
<div class="table-responsive">
    <table class="table table-bordered table-hover table-
striped m-0">
        <thead>
            <tr>
                <th>No</th>
                <th>Awal</th>
                <th>Akhir</th>
                <th>Aksi</th>
            </tr>
        </thead>
        <?php
        $q = esc_field($_get('q'));
        $pg = new Paging();
        $limit = 25;
        $offset = $pg->get_offset($limit, $_get('page'));
        $from = "FROM tb_normalisasi";
        $where = "WHERE awal LIKE '%$q%' OR akhir LIKE
'%$q%'";
        $rows = $db->get_results("SELECT * $from $where
ORDER BY awal LIMIT $offset, $limit");
        $jumrec = $db->get_var("SELECT COUNT(*) $from
$where");
        $no = $offset;
        foreach ($rows as $row) : ?>
            <tr>
                <td><?=$_+$no ?></td>
                <td><?=$row->awal ?></td>
                <td><?=$row->akhir ?></td>
                <td class="nw">
                    <a class="btn btn-sm btn-warning"
href="?m=normalisasi_ubah&ID=<?=$row->id_normalisasi
?>"><span class="fa fa-edit"></span></a>
                    <a class="btn btn-sm btn-danger"
href="aksi.php?act=normalisasi_hapus&ID=<?=$row-
>id_normalisasi ?>" onclick="return confirm('Hapus
data?')"><span class="fa fa-trash"></span></a>
                </td>
            </tr>
        <?php endforeach ?>
    </table>
</div>
<div class="card-footer">
    <?=$_$pg->show("m=normalisasi&q=$q&page=", $jumrec,
$limit, $_get('page')) ?>
</div>
</div>

```

- *Source code Halaman Preprocessing*

```

<div class="page-header">
  <h1>Preprocessing</h1>
</div>
<div class="card card-default">
  <div class="card-header">
    <form class="form-inline">
      <input type="hidden" name="m" value="preprocessing"
    />
    <div class="form-group mr-1">
      <input class="form-control" type="text"
placeholder="Pencarian. . ." name="q" value="<?= _get('q')
?>" />
    </div>
    <div class="form-group mr-1">
      <button class="btn btn-success"><span class="fa
fa-sync"></span> Refresh</button>
    </div>
    <div class="form-group">
      <a class="btn btn-secondary"
href="cetak.php?m=preprocessing" target="_blank"><span
class="fa fa-print"></span> Cetak </a>
    </div>
  </form>
</div>
<div class="table-responsive">
  <table class="table table-bordered table-hover table-
striped m-0 table-sm small">
    <thead>
      <tr>
        <th style="text-align:center;">No</th>
        <th style="text-align:center;">Data Asli</th>
        <th style="text-align:center;">Casefolding</th>
        <th style="text-align:center;">Cleaning</th>
        <th style="text-align:center;">Normalisasi</th>
        <th style="text-align:center;">Stopword</th>
        <th style="text-align:center;">Tokenisasi</th>
        <th style="text-align:center;">Stemming</th>
      </tr>
    </thead>
    <?php
    $q = esc_field(_get('q'));
    $pg = new Paging();
    $limit = 50;
    $offset = $pg->get_offset($limit, _get('page'));
    $where = "WHERE preprocessing LIKE '%$q%'";

    $rows = $db->get_results("SELECT * FROM tb_dataset
$where LIMIT $offset, $limit");

    $jumrec = $db->get_var("SELECT COUNT(*) FROM
tb_dataset $where");

    $no = $offset;
    foreach ($rows as $row) : ?>
      <tr>
        <td><?= ++$no ?></td>
        <td><?= $row->data_asli ?></td>
        <td><?= $row->casefolding ?></td>
        <td><?= $row->cleaning ?></td>
        <td><?= $row->normalisasi ?></td>
        <td><?= $row->stopword ?></td>

```

```

        <td><?="['" . implode(' ', explode(' ',
$rowse->stopword)) . "]" ?></td>
        <td><?=$rowse->preprocessing ?></td>
    </tr>
    <?php endforeach ?>
</table>
</div>
<div class="card-footer">
    <?=$pg->show("m=preprocessing&q=$q&page=", $jumrec,
$limit, _get('page')) ?>
</div>
</div>

```

- *Source code Halaman Klasifikasi Naïve Bayes*

```

<div id="klasifikasi"></div>
<?php
$series = array();
$categories = array();
$series['nbc']['name'] = 'NBC';
foreach ($nbc->hasil as $key => $val) {
    $categories[$key] = $key;
    $series['nbc']['data'][$key] = $val * 1;
    if (!isset($series['nbc']['data'][$key]))
        $series['nbc']['data'][$key] = 0;
}
asort($categories);
ksort($series['nbc']['data']);
$series['nbc']['data'] =
array_values($series['nbc']['data']);
$categories = array_values($categories);
$series = array_values($series);
?>
<script>
    Highcharts.chart('klasifikasi', {
        chart: {
            type: 'column'
        },
        title: {
            text: 'NBC'
        },
        xAxis: {
            categories: <?= json_encode($categories) ?>,
            crosshair: true
        },
        yAxis: {
            min: 0,
            title: {
                text: 'Total'
            }
        },
        tooltip: {
            headerFormat: '<span style="font-
size:10px">{point.key}</span><table>',
            pointFormat: '<tr><td
style="color:{series.color};padding:0">{series.name}:
</td>' +
                '<td
style="padding:0"><b>{point.y}</b></td></tr>',
            footerFormat: '</table>',
            shared: true,
            useHTML: true
        }
    });

```

```

    },
    plotOptions: {
        column: {
            pointPadding: 0.2,
            borderWidth: 0
        }
    },
    series: <?= json_encode($series) ?>
});
</script>

```

- **Source code Halaman Visualisasi**

```

<div class="page-header">
    <h1>Grafik Akurasi</h1>
</div>
<style>
    .highcharts-credits {
        display: none !important;
    }
</style>

<script
src="https://code.highcharts.com/highcharts.js"></script>
<script
src="https://code.highcharts.com/modules/exporting.js"></s
cript>
<script src="https://code.highcharts.com/modules/export-
data.js"></script>
<script
src="https://code.highcharts.com/modules/accessibility.js"
></script>

<div class="row">
    <div class="col-md-6">
        <div class="card mb-3">
            <div class="card-header">
                Perbandingan Benar / Salah
            </div>
            <div class="card-body">
                <?php include 'grafik_benar_salah.php' ?>
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="card mb-3">
            <div class="card-header">
                Perbandingan Klasifikasi
            </div>
            <div class="card-body">
                <div class="row">
                    <div class="col-md-12">
                        <?php include 'grafik_klasifikasi.php' ?>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="card mb-3">
            <div class="card-header">
                Perbandingan Confusion Matrix
            </div>

```

```
<div class="card-body">  
  <?php include 'grafik_cm.php' ?>  
</div>  
</div>  
</div>  
</div>
```

