

LAMPIRAN

1. Monitoring Bimbingan Proposal



KARTU MONITORING BIMBINGAN
 MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
 FAKULTAS TEKNIK
 UNIVERSITAS MUHAMMADIYAH PAREPARE

PROPOSAL

Mahasiswa : ALFURQAN	Pembimbing I : Ahmad Selao, STp., M.Sc.
NIM : 220280031	Pembimbing II : Mughaffir Yunus, S.T., M.T.
Judul Skripsi : PERBANDINGAN METODE SIMPLE ADDITIVE WEIGHTING DAN WEIGHTED PRODUK DALAM SISTEM PENUNJANG KEPUTUSAN PENENTUAN PESERTA BANSOS PKH	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 Sinkronisasi antara latar belakang, tujuan & metode		Konsultasi 1 Latar Belakang, Manfaat Penelitian	
Konsultasi 2 - Penentuan bobot harus diuji setelah teruji secara faktual & - laporan		Konsultasi 2 - Penentuan bobot mengacu pada keputusan pemerintah daerah	
Konsultasi 3 - Contohkan terkait dgn alasan ilmiah pembobotannya		Konsultasi 3 Acc	
Konsultasi 4 Acc sensor		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

2. Monitoring Bimbingan Skripsi



KARTU MONITORING BIMBINGAN
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SKRIPSI

Mahasiswa : ALFURQAN	Pembimbing I : Ahmad Selao, S.T.P,M.Sc
NIM : 220280031	Pembimbing II : Mughaffir Yunus, S.T.,M.T
Judul Skripsi : PERBANDINGAN METODE SIMPLE ADDITIVE WEIGHTING DAN WEIGHTED PRODUCT DALAM SISTEM PENUNJANG KEPUTUSAN PENENTUAN PESERTA BANSOS	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 Satukan size : hasil & pembahasan	/	Konsultasi 1 Lampirkan Data Alternatif	/
Konsultasi 2 Apa alasan metode 1 lebih akurat/baik dari 2	/	Konsultasi 2 Tampilkan hasil uji sensitivitas	/
Konsultasi 3 Data : home data yg sama	/	Konsultasi 3 pangswaran Rumus masalah dan kesimpulan	/
Konsultasi 4 Ok Pacc Tutup	/	Konsultasi 4 Acc	/
Konsultasi 5		Konsultasi 5 Acc Ujian Tutup	/

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
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3. Data Kriteria dan Alternatif



**PEMERINTAH KABUPATEN PINRANG
KECAMATAN SUPPA
DESA MARITENGNGAE**

SURAT KETERANGAN

Nomor : 106/DM/VII/2024

Pembobotan kriteria Pengajuan bantuan Sosial Desa Maritengngae pada penelitian "PERBANDINGAN METODE SIMPLE ADDITIVE WEIGHTING DAN WEIGHTED PRODUK DALAM SISTEM PENUNJANG KEPUTUSAN PENENTUAN PESERTA BANSOS"

NO	KRITERIA	BOBOT	KODE
1	ANGGOTA KELOMPOK TANI	9	C1
2	STATUS DTKS	9	C2
3	PENGHASILAN	9	C3
4	PENDIDIKAN KEPALA KELUARGA	8	C4
5	TANGGUNAN DALAM KELUARGA	9	C5
6	STATUS TEMPAT TINGGAL	9	C6
7	LUAS LAHAN TEMPAT TINGGAL	8	C7
8	LUAS LANTAI TEMPAT TINGGAL	8	C8
9	JENIS LANTAI TEMPAT TINGGAL	8	C9
10	PENERANGAN RUMAH	7	C10
11	JENIS DINDING TEMPAT TINGGAL	9	C11
12	FASILITAS MCK	7	C12

Demikian Surat keterangan ini dibuat dan dipergunakan sebagaimana Mestinya
Barakasanda, 3 Juli 2024
KEPALA DESA MARITENGNGAE



No	NIK	DUSUN	NAMA	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
1	7315023112610059	TEMAPPA	USMAN	2	2	10200000	2	2	1	220	45	2	2	1	1
2	7315021905930001	TEMAPPA	HAMKA	2	1	30000000	4	2	1	200	12	8	1	3	2
3	7315023112500162	TEMAPPA	ABD.SAMAD	2	1	10000000	2	4	1	200	12	8	1	3	2
4	7315022203880001	TEMAPPA	LUKMAN	2	2	18000000	2	5	1	285	54	5	1	2	1
5	7315101602880002	TEMAPPA	ASWAR	1	2	12000000	6	3	3	300	48	5	1	1	1
6	7315021512730002	TEMAPPA	MUH.HATTA	1	1	18000000	2	3	1	335	63	5	1	3	1
7	7315021506820002	TEMAPPA	HAMZA HATTA	2	1	14400000	2	2	1	285	66	6	1	1	1
8	7315027112560136	TEMAPPA	IRAJENG	1	1	24000000	2	3	1	225	63	5	1	3	1
9	7315021507550004	TEMAPPA	HARUNA	1	1	25000000	2	3	1	480	112	5	1	3	1
10	7315024212910003	TEMAPPA	KIKI ANA	1	1	15000000	4	3	1	450	84	2	1	1	1
11	7315022203910001	TEMAPPA	HERIL SYAHRIR	1	2	24000000	3	3	3	800	105	5	1	2	1
12	7372023112810078	TEMAPPA	FIRMAN	1	2	96000000	4	2	3	570	80	6	1	2	1
13	7604040510830002	TEMAPPA	MUHAMMAD	1	2	10800000	4	3	1	320	49	8	1	2	1
14	7315021307720001	TEMAPPA	BAKRI	1	2	30000000	4	5	1	300	48	4	1	1	1
15	7372040104960002	TEMAPPA	ANGGORO RAHMAT RANTAU	1	2	11400000	2	5	1	305	24	8	1	1	1
16	7315021111870005	TEMAPPA	HASMAWIR	1	1	117600000	4	2	3	420	72	5	1	3	1
17	7315101010780005	TEMAPPA	SAINUDDIN	1	1	30000000	4	3	1	500	54	5	1	2	1
18	7315020412820002	TEMAPPA	ANSAR	2	2	24000000	2	4	1	1350	24	6	1	3	1
19	7315021911860006	TEMAPPA	IRWANDI	2	1	21600000	4	3	1	350	63	5	1	3	1
20	7315022605910001	TEMAPPA	MASLAN	2	2	42000000	4	2	3	1150	60	4	1	1	1
21	6472011206770002	TEMAPPA	AMIR	2	2	12000000	1	3	1	270	30	8	1	2	1
22	7315110109790001	TEMAPPA	MUSTAFA	2	2	13800000	3	4	1	350	70	5	1	3	1
23	7315020903970001	TEMAPPA	SYAMSUDDIN MUDE	2	1	18000000	3	4	3	330	88	5	1	2	1
24	7315020505780002	TEMAPPA	IDRIS BIN SULLE	2	1	36000000	2	4	1	250	63	2	1	1	1
25	7315020701780001	TEMAPPA	WIRAHADI	2	1	24000000	4	2	3	350	54	5	1	3	1
26	7315020401830001	TEMAPPA	DAMAR	1	1	90000000	3	1	1	984	72	6	1	1	1
27	7315020707790001	TEMAPPA	ABD.HALIQ	2	1	10200000	3	4	1	300	64	8	1	2	1
28	7315023012740001	TEMAPPA	TATING LABOLONG	2	1	54000000	2	4	1	596	70	5	1	3	1
29	7315020107690029	TEMAPPA	ABD.RASYID	2	1	12000000	2	4	1	375	150	5	1	1	1
30	7315020211770002	TEMAPPA	JUMADI MUHAMMADONG	1	1	18000000	3	2	1	168	54	5	1	3	1
31	7315022212720002	TEMAPPA	AMRAN MUHIDDIN	1	1	34408800	4	3	3	255	96	5	1	1	1
32	7322038703850002	TEMAPPA	NURDIN	2	1	48000000	2	5	3	335	63	5	1	1	1
33	7315020402880001	TEMAPPA	LUKMAN SYAMSUDIN, S.PD	2	1	46818000	4	6	1	295	84	5	1	1	1
34	7315021505810002	TEMAPPA	IRSAN RAIS	2	1	30000000	3	4	3	1150	34	8	1	2	1
35	7315022407890001	TEMAPPA	AGUS	2	2	24000000	4	3	1	266	54	5	1	1	1
36	7315021408740006	TEMAPPA	ASKAR	1	1	36000000	1	3	1	270	72	2	1	1	1
37	7315023112800326	TEMAPPA	JUMADIL	2	2	90000000	2	2	3	375	54	5	1	3	1
38	7315020505810002	ALAKKANG	RUDI	2	1	30000000	2	4	3	435	84	3	1	3	1
39	7315023006840001	ALAKKANG	SALMAN	1	2	20000000	3	2	1	90	35	5	1	1	1
40	7315023112810063	ALAKKANG	MUSPIDA	1	1	24000000	4	3	1	150	48	2	1	1	1
41	7602140507690002	ALAKKANG	GISMAN	2	1	51750000	2	3	1	240	45	5	1	1	1
42	7315023112600308	ALAKKANG	BAKKARENG	2	1	30000000	2	3	1	200	91	5	1	1	1
43	7315022011690001	ALAKKANG	SABIR	2	1	50400000	2	4	1	4800	32	6	1	1	1
44	7315023010850001	ALAKKANG	TIHA	2	2	60000000	2	1	1	150	54	8	1	3	1
45	7315027112450144	ALAKKANG	SUARDI	2	2	20000000	3	1	1	630	35	8	1	2	1
46	7315021510730001	ALAKKANG	SUMMANG	2	1	13900000	2	3	4	70	63	8	1	2	1
47	7315023112640082	ALAKKANG	LA MAMU	2	1	12900000	2	2	1	700	80	5	1	1	1
48	7315023112600166	ALAKKANG	DADANG PERMANA	1	1	18000000	4	1	1	90	54	5	1	3	1
49	7315023112670106	ALAKKANG	LA RUPU	1	1	98400000	2	2	1	80	35	5	1	1	1
50	7315023007590002	ALAKKANG	IBOLONG	2	1	18000000	2	1	1	150	84	8	1	3	1
51	7315024101270001	ALAKKANG	BASRI	2	1	24000000	2	2	1	160	54	5	1	3	1
52	7315023112300052	ALAKKANG	BEDDU RAMANG	1	2	36000000	2	1	1	435	84	8	1	3	1
53	7315023112600162	ALAKKANG	MANSUR	1	1	21600000	3	4	1	360	56	2	1	1	1
54	7315021204850001	ALAKKANG	PALEWANG	1	2	12000000	3	1	1	150	84	5	1	3	1
55	3524092505620009	ALAKKANG	KURNIAWAN	1	1	65500000	2	1	3	500	108	5	1	1	1
56	7315020707670001	ALAKKANG	MUH RIZAL	1	1	24000000	4	5	1	300	88	5	1	1	1
57	6401042707840003	ALAKKANG	UMAR SENONG	1	1	21600000	4	7	1	294	63	8	1	1	1
58	7315021107130003	ALAKKANG	BURHANUDDIN	2	2	33600000	4	2	1	150	45	8	1	3	1
59	7315021709850002	ALAKKANG	HARMANG	2	2	16060000	3	4	1	144	70	5	1	1	1
60	7315020406860001	ALAKKANG	ABDUL MUIS	1	1	54000000	3	3	1	150	54	5	1	1	1
61	7315021401890001	ALAKKANG	MUHAMMAD ADI	1	1	60000000	4	4	3	168	108	5	1	1	1
62	9117010504850001	ALAKKANG	MARDIANA SIDE	1	1	84000000	4	1	1	216	147	2	1	1	1
63	7315024412650001	ALAKKANG	SUDARMAN	1	1	18000000	2	2	3	224	54	5	1	1	1
64	7315024402940001	ALAKKANG	ASRIYADI	1	2	12000000	2	3	3	360	84	2	1	1	1
65	7312030201930001	ALAKKANG	RUSMAN	2	2	84000000	4	4	1	150	54	2	1	1	1
66	7315021212820006	ALAKKANG	JAHRANG	1	1	66000000	4	3	1	160	98	5	1	1	1
67	7372022508720001	ALAKKANG	NURDIN BIN PADUPPAI	1	2	18080000	2	2	1	180	35	8	1	2	1
68	7315020703740002	ALAKKANG	HENRI	1	1	12000000	3	3	3	54	54	5	1	1	1

69	7315020110890001	ALAKKANG	SUHARMAN	2	2	9600000	4	5	1	150	54	5	1	3	1
70	7315021805760003	ALAKKANG	TAMRIN	2	2	25480000	4	5	1	130	35	4	1	1	1
71	7315021101780001	ALAKKANG	MUH. AMIN	2	1	18000000	2	5	1	135	84	5	1	1	1
72	7315023112700262	ALAKKANG	ASIMI	2	1	14400000	2	2	1	54	54	5	1	1	1
73	7315023115730178	ALAKKANG	ABU BIN LAJUMME	2	1	57000000	2	4	1	400	63	5	1	1	1
74	7315022101690001	ALAKKANG	ANHAR	1	2	38400000	4	3	1	200	63	5	1	3	1
75	7315021103900002	ALAKKANG	MUH. ASRI	2	1	21600000	2	4	1	338	54	5	1	1	1
76	7315023112690124	ALAKKANG	DARISA	2	1	2916000	2	2	3	70	35	5	1	1	2
77	7315023112320027	BARAKASANDA	A. PUJIAMA	1	1	24000000	4	3	3	440	84	4	1	1	1
78	7315025401820001	BARAKASANDA	ABD AZIS M	2	1	12000000	2	2	1	780	72	5	1	2	1
79	7315023112570088	BARAKASANDA	ABD HAFID	1	1	20000000	2	2	1	300	63	5	1	2	1
80	7315023112520062	BARAKASANDA	ABD SAMAD	1	1	25000000	1	1	1	570	70	2	1	1	1
81	731503112540066	BARAKASANDA	ABD. GAFFAR	1	2	30000000	3	6	1	100	40	8	1	2	1
82	7315021212720004	BARAKASANDA	ABD.ASIS KUBE	2	1	67500000	4	2	1	300	104	8	1	3	1
83	7215023112540100	BARAKASANDA	ABD.HALIK	2	1	22400000	3	4	1	250	72	5	1	1	1
84	7315023112500097	BARAKASANDA	ABD.MUIS	1	1	6000000	4	2	1	180	120	2	1	1	1
85	7315021408740007	BARAKASANDA	ABDUL RAHMAN	1	1	7000000	2	4	1	500	72	5	1	1	1
86	7315023112470038	BARAKASANDA	ABDULLAH	2	2	36000000	4	6	1	560	54	8	1	2	1
87	7315021011690001	BARAKASANDA	AKSAN	1	1	48000000	3	4	1	610	78	4	1	1	1
88	7315020801900001	BARAKASANDA	ALIFUDDIN	2	1	24450000	4	5	1	490	45	8	1	3	1
89	7315022012530001	BARAKASANDA	ALIMUDDIN	1	2	15000000	2	5	1	270	54	6	1	1	1
90	7315021112730003	BARAKASANDA	ALWI	2	1	10000000	2	2	1	700	54	5	1	1	1
91	7315023112630060	BARAKASANDA	AMIR RUSDI	2	1	39100000	4	4	3	180	112	8	1	1	1
92	7315023112560056	BARAKASANDA	AMIRUDDIN	2	1	12000000	4	4	1	180	72	8	1	2	1
93	7372041507850002	BARAKASANDA	AMUR	2	2	15000000	2	3	1	320	98	5	1	2	1
94	7315020608710001	BARAKASANDA	ANDI ALI AKBAR	1	2	30000000	4	5	1	200	28	8	1	2	1
95	7315020112650001	BARAKASANDA	ANDI BAHTIAR	1	1	24000000	4	2	1	700	102	4	1	1	1
96	7315021309830001	BARAKASANDA	ANDI SYAMSUDDIN	1	2	36000000	4	5	1	250	63	5	1	1	1
97	7315022012640001	BARAKASANDA	ANWAR SUBEHI	1	2	8400000	4	3	3	300	54	4	1	1	1
98	7315021204650001	BARAKASANDA	ARIFIN	2	1	27750000	4	2	1	180	63	8	1	2	1
99	7315020804820002	BARAKASANDA	ARMANSYAH.SE	1	1	18000000	5	4	3	570	70	2	1	1	1
100	7215022912710001	BARAKASANDA	ARSAN	1	1	20400000	4	4	3	200	54	8	1	2	1
101	7315022707830002	BARAKASANDA	ASWAR SUBEHI	1	2	12000000	4	2	3	300	54	4	1	1	1
102	7315043112810080	BARAKASANDA	BAHARUDDIN	1	2	16000000	2	6	3	100	45	8	1	2	1
103	7315020904830002	BARAKASANDA	BAHARUDDIN, S. PI	1	1	84000000	6	5	1	400	225	5	1	1	1
104	7311051911800001	BARAKASANDA	BUSTAN	2	1	5250000	3	3	1	450	60	5	1	1	1
105	7315023112690256	BARAKASANDA	CATARUDDIN	1	2	15000000	2	4	1	145	40	5	1	1	1
106	7315023112670086	BARAKASANDA	DARWIS SE	1	1	12900000	6	4	1	420	72	5	1	1	1
107	7315020208810002	BARAKASANDA	DRS KILAT SINRING	1	1	60000000	6	4	1	380	70	5	1	1	1
108	7315022012740001	BARAKASANDA	FAISAL PALAWA	1	2	36000000	4	4	3	530	90	5	1	1	1
109	7315020107650001	BARAKASANDA	FATMAWATI	1	2	18400000	4	4	3	330	60	5	1	1	1
110	7315022806920002	BARAKASANDA	H M WELA SATIBA	1	1	30000000	4	2	1	600	150	5	1	1	1
111	7315024807780001	BARAKASANDA	H.MAHDY PAWEROI S.PD M.PD	1	1	84000000	6	6	1	300	102	2	1	1	1

Barakasanda 3 Juli 2024

KEPALA DESA MARITENGNGAE



Index.php

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1, shrink-to-fit=no">
    <title>LOGIN </title>
    <link rel="canonical"
href="https://getbootstrap.com/docs/
4.6/examples/floating-labels/">
    <!-- Bootstrap core CSS -->
    <link href="css/bootstrap.min.css"
rel="stylesheet">
    <style>
      .bd-placeholder-img {
        font-size: 1.125rem;
        text-align: middle;
        -webkit-user-select: none;
        -moz-user-select: none;
        -ms-user-select: none;
        user-select: none;
      }
      @media (min-width: 768px) {
        .bd-placeholder-img-lg {
          font-size: 3.5rem;
        }
      }
    </style>
    <!-- Custom styles for this
template -->
    <link href="css/floating-
labels.css" rel="stylesheet">
  </head>
  <body>
    <form class="form-signin"
method="post"
action="cek_login.php">
      <div class="text-center mb-4">
        <p>
          <h4>
            PERBANDINGAN SISTEM
            PENUNJANG KEPUTUSAN
```

METODE SIMPLE ADDITIVE WEIGHTING DAN WEIGHTED PRODUCT

```
      </h4></p>
    </div>
    <div class="form-label-group">
      <input type="text"
name="username" class="form-
control" placeholder="Email
address" required autofocus >
      <label >Email address</label>
    </div>
    <div class="form-label-group">
      <input
type="password" name="password"
class="form-control"
placeholder="Password" required >
      <label >Password</label>
    </div>

    <button class="btn btn-lg btn-
primary btn-block"
type="submit">SUBMIT</button>
    <p class="mt-5 mb-3 text-muted
text-center">&copy; 2024- <?=
date('Y')?> </p>
  </form>
</body>
</html>
```

dataalternatif.php

```
<?php
require 'functions.php';
session_start();

if (empty($_SESSION['username']))
{
    echo "<script>alert('maaf login
gagal, maaf, anda harus login
terlebih
dahulu');document.location='index.p
hp' </script>";
};
$dataalternatif = query("SELECT *
FROM saw_alternatif");
if (isset($_POST["cari"])) {
```



```

<span>USER</span></a>
    </li>
<!-- Divider -->
    <hr class="sidebar-divider d-
none d-md-block">

    <!-- Sidebar Toggler
(Sidebar) -->
    <div class="text-center d-
none d-md-inline">
        <button class="rounded-
circle border-0"
id="sidebarToggle"></button>
    </div>
</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 Search -->
        <form action=""
method="POST"
class="d-none d-sm-
inline-block form-inline mr-auto ml-
md-3 my-2 my-md-0 mw-100
navbar-search">
            <div class="input-
group">

```

```

                <input type="text"
name="keyword" 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="submit" name="cari">
                        <i class="fas
fa-search fa-sm"></i>
                    </button>
                </div>
            </form>
        <!-- Topbar Navbar -->
        <ul class="navbar-nav
ml-auto">
            <!-- 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['nama']
?></span>
                    
                </a>
            <!-- Dropdown -
User Information -->
            <div
class="dropdown-menu dropdown-
menu-right shadow animated--grow-
in"

```

```

        aria-
labelledby="userDropdown"
        <div
class="dropdown-divider"></div>
        <a class="btn
btn-primary btn-lg"
href="logout.php" role="button">
            <i class="fas
fa-sign-out-alt fa-sm fa-fw mr-2 text-
gray-400"></i>
                Logout
            </a>
        </div>
    </li>
</ul>
</nav>
<!-- End of Topbar -->

<!-- Begin Page Content --
>
    <div class="container-
fluid">

        <!-- Page Heading -->
        <h1 class="h3 mb-4
text-gray-800">DATA
ALTERNATIF</h1>
        <a href="add-
alternatif.php" class="btn btn-
success" type="submit">TAMBAH
DATA</a>

        <br><br>
        <table class="table
table-striped">
            <thead>
                <tr>
                    <th
scope="col">NO</th>
                    <th
scope="col">NAMA</th>
                    <th
scope="col">AKSI</th>
                </tr>
            </thead>
            <tbody>
                <?php $i=1 ?>

                <?php foreach
($dataalternatif as $row ) :?>
                    <tr>
                        <th
scope="row"><?=$i; ?></th>
                        <td><?=$
$row["nama"]; ?></td>
                        <td>
                            <a href="edit-
alternatif.php?id_alternatif=
<?=$row["id_alternatif"]; ?>"
class="btn btn-primary"
type="submit">Edit</a>
                            <a href="hapus-
alternatif.php?id_alternatif= <?=$
$row["id_alternatif"]; ?>" class="btn
btn-danger" type="submit" "
onclick="return
confirm('yakin?');">Hapus</a>
                        </td>
                    </tr>
                <?php $i++; ?>
                <?php endforeach;
?>
            </tbody>
        </table>
    </div>
    <!-- /.container-fluid -->

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

<!-- Footer -->
<footer class="sticky-footer
bg-white">
    <div class="container my-
auto">
        <div class="copyright
text-center my-auto">
            <span>Copyright
&copy; Your Website 2020</span>
        </div>
    </div>
</footer>
<!-- End of Footer -->

```

```

        </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>

    <!-- Logout Modal-->
    <div class="modal fade"
id="logoutModal" tabindex="-1"
role="dialog" aria-
labelledby="exampleModalLabel"
        aria-hidden="true">
        <div class="modal-dialog"
role="document">
            <div class="modal-content">
                <div class="modal-
header">
                    <h5 class="modal-title"
id="exampleModalLabel">Ready to
Leave?</h5>
                    <button class="close"
type="button" data-dismiss="modal"
aria-label="Close">
                        <span aria-
hidden="true">×</span>
                    </button>
                </div>
                <div class="modal-
body">Select "Logout" below if you
are ready to end your current
session.</div>
                <div class="modal-
footer">
                    <button class="btn btn-
secondary" type="button" data-
dismiss="modal">Cancel</button>
                    <a class="btn btn-
primary"
href="login.html">Logout</a>

```

```

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

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

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

    <!-- Custom scripts for all pages-->
    >
    <script src="js/sb-admin-
2.min.js"></script>
</body>
</html>

    datakriteria.php
    <?php
    require 'functions.php';
    session_start();

    if (empty($_SESSION['username']))
    {
        echo "<script>alert('maaf login
gagal, maaf, anda harus login
terlebih
dahulu');document.location='index.p
hp' </script>";
    };
    $datakriteria = query("SELECT *
FROM saw_kriteria");
    if (isset($_POST["cari"])) {
        $datakriteria =
carikriteria($_POST["keyword"]);
    }

    ?>
    <!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">
    <meta name="description"
content="">
    <meta name="author" content="">

    <title>SPK SAW DAN
WP</title>

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

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

</head>

<body id="page-top">

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

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

            <!-- Sidebar - Brand -->
            <a class="sidebar-brand d-
flex align-items-center justify-
content-center" >

                <div class="sidebar-brand-
text mx-3">SAW & WP </div>
            </a>

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

            <!-- Nav Item - Dashboard --
>
            <li class="nav-item">
                <a class="nav-link"
href="datakriteria.php">
                    <i class="fas fa-fw fa-
cog"></i>

                <span>KRITERIA</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="dataalternatif.php">
                    <i class="fas fa-fw fa-
folder"></i>

                <span>ALTERNATIF</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="datapengerhitungan.php">
                    <i class="fas fa-fw fa-
table"></i>

                <span>PERHITUNGAN</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="hasil-saw.php">

```

```

        <span>HASIL
        PERHITUNGAN SAW</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
        href="hasil-wp.php">

        <span>HASIL
        PERHITUNGAN WP</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
        href="user.php">
            <i class="fas fa-fw fa-
            users"></i>

<span>USER</span></a>
</li>

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

<!-- Sidebar Toggler
(Sidebar) -->
<div class="text-center d-
none d-md-inline">
    <button class="rounded-
circle border-0"
id="sidebarToggle"></button>
</div>

</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 Search -->
        <form action=""
        method="POST"
            class="d-none d-sm-
            inline-block form-inline mr-auto ml-
            md-3 my-2 my-md-0 mw-100
            navbar-search">
            <div class="input-
            group">
                <input type="text"
                name="keyword" 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="submit" name="cari">
                        <i class="fas
                        fa-search fa-sm"></i>
                    </button>
                </div>
            </div>
        </form>

        <!-- Topbar Navbar -->
        <ul class="navbar-nav
        ml-auto">
            <!-- 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['nama']
?></span>
        
        </a>
        <!-- Dropdown -
User Information -->
        <div
class="dropdown-menu dropdown-
menu-right shadow animated--grow-
in"
        aria-
labelledby="userDropdown">
        <div
class="dropdown-divider"></div>
        <a class="btn
btn-primary btn-lg"
href="logout.php" role="button">
        <i class="fas
fa-sign-out-alt fa-sm fa-fw mr-2 text-
gray-400"></i>
        Logout
        </a>
        </div>
        </li>
        </ul>
        </nav>
        <!-- End of Topbar -->

        <!-- Begin Page Content --
>
        <div class="container-
fluid">

```

```

        <!-- Page Heading -->
        <h1 class="h3 mb-4
text-gray-800">DATA
KRITERIA</h1>
        <a href="add-
kriteria.php" class="btn btn-success"
type="submit">TAMBAH
DATA</a>
        <br><br>
        <table class="table
table-striped">
        <thead>
        <tr>
        <th
scope="col">NO</th>
        <th
scope="col">KRITERIA</th>
        <th
scope="col">BOBOT</th>
        <th
scope="col">ATRIBUT</th>
        <th
scope="col">AKSI</th>
        </tr>
        </thead>
        <tbody>
        <?php $i=1 ?>
        <?php foreach
($datakriteria as $row ) :?>
        <tr>
        <th
scope="row"><?=$i; ?></th>
        <td><?=$row["kriteria"]; ?></td>
        <td><?=$row["bobot"]; ?></td>
        <td><?=$row["atribut"]; ?></td>
        <td>
        <a href="edit-
kriteria.php?id_kriteria=
<?=$row["id_kriteria"]; ?>"
class="btn btn-primary"
type="submit">Edit</a>

```

```

        <a href="hapus-
kriteria.php?id_kriteria= <?=
$row["id_kriteria"]; ?>" class="btn
btn-danger" type="submit" "
onclick="return
confirm('yakin?');">Hapus</a>
        </td>
    </tr>
    <?php $i++; ?>
    <?php endforeach;
?>

    </tbody>
</table>

</div>
<!-- /.container-fluid -->

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

<!-- Footer -->
<footer class="sticky-footer
bg-white">
    <div class="container my-
auto">
        <div class="copyright
text-center my-auto">
            <span>Copyright
&copy; Your Website 2020</span>
        </div>
    </div>
</footer>
<!-- End of Footer -->

</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>

```

```

<!-- Logout Modal-->
<div class="modal fade"
id="logoutModal" tabindex="-1"
role="dialog" aria-
labelledby="exampleModalLabel"
aria-hidden="true">
    <div class="modal-dialog"
role="document">
        <div class="modal-content">
            <div class="modal-
header">
                <h5 class="modal-title"
id="exampleModalLabel">Ready to
Leave?</h5>
                <button class="close"
type="button" data-dismiss="modal"
aria-label="Close">
                    <span aria-
hidden="true">×</span>
                </button>
            </div>
            <div class="modal-
body">Select "Logout" below if you
are ready to end your current
session.</div>
            <div class="modal-
footer">
                <button class="btn btn-
secondary" type="button" data-
dismiss="modal">Cancel</button>
                <a class="btn btn-
primary"
href="login.html">Logout</a>
            </div>
        </div>
    </div>
</div>
<!-- Bootstrap core JavaScript-->
<script
src="vendor/jquery/jquery.min.js"><
</script>
<script
src="vendor/bootstrap/js/bootstrap.b
undle.min.js"></script>

```

```

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

<!-- Custom scripts for all pages--
>

<script src="js/sb-admin-
2.min.js"></script>
</body>

</html>
dataperhitungan.php
<?php
require 'functions.php';
session_start();

if (empty($_SESSION['username']))
{
    echo "<script>alert('maaf login
gagal, maaf, anda harus login
terlebih
dahulu');document.location='index.p
hp' </script>";
};

$jumlahdataperhalaman = 12;
$jumlahdata =
count(query("SELECT * FROM
saw_nilai"));
$jumlahhalaman = ceil($jumlahdata /
$jumlahdataperhalaman);
$halamanaktif =
(isset($_GET["halaman"]))?$_GET["
halaman"]:1;
$awaldata
=($jumlahdataperhalaman*$halaman
aktif)-$jumlahdataperhalaman;

$datahitung = query("SELECT *
FROM saw_nilai limit
$awaldata,$jumlahdataperhalaman");
if (isset($_POST["cari"])) {
    $datahitung =
cariperhitungan($_POST["keyword"]
);

```

```

}

$datakriteria = query("SELECT *
FROM saw_kriteria");
$dataalter = query("SELECT *
FROM saw_alternatif");

//-- inisialisasi variabel array
alternatif
$alternatif=array();
$sql='SELECT * FROM
saw_alternatif';
$data=$conn->query($sql);
while($row = $data-
>fetch_object()){
    $alternatif[$row-
>id_alternatif]=$row->nama;
}

//-- inisialisasi variabel array kriteria
dan bobot (W)

$kriteria=array();
$sql='SELECT * FROM
saw_kriteria';
$data=$conn->query($sql);
while($row = $data-
>fetch_object()){
    $kriteria[$row-
>id_kriteria]=array($row-
>kriteria,$row->atribut);
    $w[$row->id_kriteria]=$row-
>bobot;
}

//-- inisialisasi variabel array matriks
keputusan X
$X = array();

$sql = 'SELECT * FROM saw_nilai';
$data = $conn->query($sql);
while ($row = $data->fetch_object())
{
    $kriteria_id = $row->id_kriteria;
    $nilai = $row->nilai;

```

```

    $alternatif_id = $row-
>id_alternatif;

    $X[$alternatif_id][$kriteria_id] =
$nilai;}
?>
<!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">
    <meta name="description"
content="">
    <meta name="author"
content="">

    <title>SPK SAW DAN
WP</title>

    <!-- Custom fonts for this
template-->
    <link
href="vendor/fontawesome-
free/css/all.min.css" rel="stylesheet"
type="text/css">
    <link

href="https://fonts.googleapis.com/cs
s?family=Nunito:200,200i,300,300i,
400,400i,600,600i,700,700i,800,800i
,900,900i"
rel="stylesheet">

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

</head>

```

```

<body id="page-top">

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

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

            <!-- Sidebar - Brand -->
            <a class="sidebar-brand d-
flex align-items-center justify-
content-center" >

                <div class="sidebar-
brand-text mx-3">SAW & WP
            </div>

            </a>

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

            <!-- Nav Item - Dashboard
-->
            <li class="nav-item">
                <a class="nav-link"
href="datakriteria.php">
                    <i class="fas fa-fw fa-
cog"></i>

                <span>KRITERIA</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="dataalternatif.php">
                    <i class="fas fa-fw fa-
folder"></i>

                <span>ALTERNATIF</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="dataperhitungan.php">

```

```

        <i class="fas fa-fw fa-
table"></i>

<span>PERHITUNGAN</span></a>
>
    </li>
    <li class="nav-item">
        <a class="nav-link"
href="hasil-saw.php">

            <span>HASIL
PERHITUNGAN SAW</span></a>
        </li>
        <li class="nav-item">
            <a class="nav-link"
href="hasil-wp.php">

                <span>HASIL
PERHITUNGAN WP</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="user.php">
                    <i class="fas fa-fw fa-
users"></i>

                <span>USER</span></a>
            </li>

        <!-- Divider
-->

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

        <!-- Sidebar
Toggler (Sidebar) -->

        <div
class="text-center d-none d-md-
inline">

            <button
class="rounded-circle border-0"
id="sidebarToggle"></button>
        </div>

    </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 Search -->

                <form
action="" method="POST"

class="d-none d-sm-inline-block
form-inline mr-auto ml-md-3 my-2
my-md-0 mw-100 navbar-search">

                    <div
class="input-group">

                        <input type="text" name="keyword"
class="form-control bg-light border-
0 small" placeholder="Search for..."

```

<pre> aria- label="Search" aria- describedby="basic-addon2"> class="input-group-append"> <button class="btn btn-primary" type="submit" name="cari"> <i class="fas fa-search fa-sm"></i> </button> </div> </div> </form> <!-- Topbar Navbar --> class="navbar-nav ml-auto"> <!-- Nav Item - User Information --> <li class="nav-item dropdown no- arrow"> <?= \$_SESSION['nama'] ?> </pre>	<pre> <!-- Dropdown - User Information --> <div class="dropdown-menu dropdown- menu-right shadow animated--grow- in" aria- labelledby="userDropdown"> <div class="dropdown-divider"></div> <i class="fas fa-sign-out-alt fa-sm fa-fw mr-2 text-gray-400"></i> Logout </div> Topbar --> Content --> <div class="container-fluid"> <!-- Page Heading --> <h1 class="h3 mb-4 text-gray-800">DATA PERHITUNGAN</h1> TAMBAH DATA

 <nav aria- label="..."> </pre>
--	---

```

        <ul
class="pagination">

        <?php for($i
= 1; $i <= $jumlahhalaman; $i++):
?>

        <li
class="page-item"><a class="page-
link" href="?halaman=<?=$i;
?>"><?=$i; ?></a></li>

        <?php
endfor; ?>

        </ul>
</nav>
<table
class="table table-striped">
    <thead>
        <tr>
            <th
scope="col">NO</th>
            <th
scope="col">ID
ALTERNATIF</th>
            <th
scope="col">NAMA</th>
            <th
scope="col">ID KRITERIA</th>
            <th
scope="col">KRITERIA</th>
            <th
scope="col">NILAI</th>
            <th
scope="col">AKSI</th>
        </tr>
    </thead>

    <tbody>
        <?php $i=1 ?>
        <?php foreach
($datahitung as $row) :?>
            <tr>
                <th
scope="row"><?=$i; ?></th>
                <td><?=$row["id_alternatif"]; ?></td>
                <td><?=$row["nama"]; ?></td>
                <td><?=$row["id_kriteria"]; ?></td>
                <td><?=$row["kriteria"]; ?></td>
                <td><?=$row["nilai"]; ?></td>
                <td>
                    <a
href="edit-hitung.php?id_hitung=
<?=$row["id_hitung"]; ?>"
class="btn btn-primary"
type="submit">Edit</a>
                    <a
href="hapus-hitung.php?id_hitung=
<?=$row["id_hitung"]; ?>"
class="btn btn-danger"
type="submit" " onclick="return
confirm('yakin?');">Hapus</a>
                </td>
            </tr>
            <?php $i++; ?>
        <?php endforeach;
        ?>
    </tbody>
</table>

    <table class="table">
        <thead class="thead-
dark">
            <tr>
                <th
scope="col">ALTERNATIF /
KRITERIA</th>
                <?php foreach
($datakriteria as $row) : ?>
                    <th
scope="col"><?=$row["kriteria"];
?></th>
                <?php endforeach;
                ?>

```

```

        </tr>
    </thead>
    <tbody>
        <?php foreach ($X as
$alternatif_id => $values): ?>
            <tr>
                <td><?=
isset($alternatif[$alternatif_id]) ?
$alternatif[$alternatif_id] :
"Unknown" ; ?></td>
                <?php foreach
($kriteria as $kriteria_id =>
$kriteria_data): ?>
                    <td><?=
isset($values[$kriteria_id]) ?
$values[$kriteria_id] : 0; ?></td>
                <?php endforeach;
            ?>
        </tr>
    <?php endforeach; ?>
    </tbody>
</table>

</div>
<!-- /.container-fluid -->

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

<!-- Footer -->
<footer class="sticky-footer bg-
white">
    <div class="container my-
auto">
        <div class="copyright text-
center my-auto">
            <span>Copyright &copy;
Your Website 2020</span>
        </div>
    </div>
</footer>
<!-- End of Footer -->

</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>

<!-- Logout Modal-->
<div class="modal fade"
id="logoutModal" tabindex="-1"
role="dialog" aria-
labelledby="exampleModalLabel"
aria-hidden="true">
    <div class="modal-dialog"
role="document">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title"
id="exampleModalLabel">Ready to
Leave?</h5>
                <button class="close"
type="button" data-dismiss="modal"
aria-label="Close">
                    <span aria-
hidden="true">×</span>
            </button>
            </div>
            <div class="modal-
body">Select "Logout" below if you
are ready to end your current
session.</div>
            <div class="modal-footer">
                <button class="btn btn-
secondary" type="button" data-
dismiss="modal">Cancel</button>
                <a class="btn btn-primary"
href="login.html">Logout</a>
            </div>
        </div>
    </div>
</div>
<!-- Bootstrap core JavaScript-->

```

```
<script
src="vendor/jquery/jquery.min.js"><
/script>
<script
src="vendor/bootstrap/js/bootstrap.b
undle.min.js"></script>
```

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

```
<!-- Custom scripts for all pages-->
<script src="js/sb-admin-
2.min.js"></script>
```

```
</body>
```

```
</html>
```

User.php

```
<?php
require 'functions.php';
session_start();

if (empty($_SESSION['username']))
{
    echo "<script>alert('maaf login
gagal, maaf, anda harus login
terlebih
dahulu');document.location='index.p
hp' </script>";
};
$datauser = query("SELECT *
FROM user");
```

```
?>
<!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">
<meta name="description"
content="">
<meta name="author" content="">
```

```
<title>SPK SAW DAN
WP</title>
```

```
<!-- Custom fonts for this
template-->
```

```
<link href="vendor/fontawesome-
free/css/all.min.css" rel="stylesheet"
type="text/css">
<link
```

```
href="https://fonts.googleapis.com/cs
s?family=Nunito:200,200i,300,300i,
400,400i,600,600i,700,700i,800,800i
,900,900i"
rel="stylesheet">
```

```
<!-- Custom styles for this
template-->
```

```
<link href="css/sb-admin-
2.min.css" rel="stylesheet">
```

```
</head>
```

```
<body id="page-top">
```

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

```
<!-- Sidebar -->
```

```
<ul class="navbar-nav bg-
gradient-danger sidebar sidebar-dark
accordion" id="accordionSidebar">
```

```
<!-- Sidebar - Brand -->
```

```
<a class="sidebar-brand d-
flex align-items-center justify-
content-center" >
```

```

        <div class="sidebar-brand-
text mx-3">SAW & WP</div>
        </a>

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

        <!-- Nav Item - Dashboard --
>
        <li class="nav-item">
            <a class="nav-link"
href="datakriteria.php">
                <i class="fas fa-fw fa-
cog"></i>

<span>KRITERIA</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="dataalternatif.php">
                    <i class="fas fa-fw fa-
folder"></i>

<span>ALTERNATIF</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="datapernhitungan.php">
                    <i class="fas fa-fw fa-
table"></i>

<span>PERHITUNGAN</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="hasil-saw.php">

                <span>HASIL
PERHITUNGAN SAW</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="hasil-wp.php">

```

```

                <span>HASIL
PERHITUNGAN WP</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="user.php">
                    <i class="fas fa-fw fa-
users"></i>

<span>USER</span></a>
            </li>
            <!-- Divider -->
            <hr class="sidebar-divider d-
none d-md-block">

            <!-- Sidebar Toggler
(Sidebar) -->
            <div class="text-center d-
none d-md-inline">
                <button class="rounded-
circle border-0"
id="sidebarToggle"></button>
            </div>

        </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 Search -->
        <form action=""
method="POST"
        class="d-none d-sm-
inline-block form-inline mr-auto ml-
md-3 my-2 my-md-0 mw-100
navbar-search">
        <div class="input-
group">
            <input type="text"
name="keyword" 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="submit" name="cari">
                    <i class="fas
fa-search fa-sm"></i>
                </button>
            </div>
        </div>
        </form>

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

            <!-- 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['nama']
?></span>
                
                </a>
                <!-- Dropdown -
User Information -->
                <div
class="dropdown-menu dropdown-
menu-right shadow animated--grow-
in"
                    aria-
labelledby="userDropdown">

                    <div
class="dropdown-divider"></div>
                    <a class="btn
btn-primary btn-lg"
href="logout.php" role="button">
                        <i class="fas
fa-sign-out-alt fa-sm fa-fw mr-2 text-
gray-400"></i>
                        Logout
                    </a>
                </div>
            </li>

        </ul>

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

    <!-- Begin Page Content --
>
    <div class="container-
fluid">

        <!-- Page Heading -->

```

```

        <h1 class="h3 mb-4
text-gray-800">DATA USER</h1>
        <a
href="tambahuser.php" class="btn
btn-success"
type="submit">TAMBAH
DATA</a>
        <br><br>
        <table class="table
table-striped">
            <thead>
                <tr>
                    <th
scope="col">NO</th>
                    <th
scope="col">USERNAME</th>
                    <th
scope="col">NAMA</th>
                    <th
scope="col">PASSWORD</th>
                </tr>
            </thead>
            <tbody>
                <?php $i=1 ?>
                <?php foreach
($datauser as $row ) :?>
                    <tr>
                        <th
scope="row"><?=$i; ?></th>
                        <td><?=$row["username"]; ?></td>
                        <td><?=$row["nama"]; ?></td>
                        <td><?=$row["password"]; ?></td>
                    </tr>
                </tbody>
            </table>
            <a
href="edituser.php?id=
<?=$row["id"]; ?>" class="btn btn-
primary" type="submit">Edit</a>
            <a
href="hapususer.php?id= <?=$row["id"]; ?>" class="btn btn-

```

```

danger" type="submit" "
onclick="return
confirm('yakin?');">Hapus</a>
        </td>
    </tr>
    <?php $i++; ?>
    <?php endforeach;
?>
    </tbody>
</table>

</div>
<!-- /.container-fluid -->

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

<!-- Footer -->
<footer class="sticky-footer
bg-white">
    <div class="container my-
auto">
        <div class="copyright
text-center my-auto">
            <span>Copyright
&copy; Your Website 2020</span>
        </div>
    </div>
</footer>
<!-- End of Footer -->

</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>

<!-- Logout Modal-->

```

```

<div class="modal fade"
id="logoutModal" tabindex="-1"
role="dialog" aria-
labelledby="exampleModalLabel"
    aria-hidden="true">
    <div class="modal-dialog"
role="document">
        <div class="modal-content">
            <div class="modal-
header">
                <h5 class="modal-title"
id="exampleModalLabel">Ready to
Leave?</h5>
                <button class="close"
type="button" data-dismiss="modal"
aria-label="Close">
                    <span aria-
hidden="true">×</span>
                </button>
            </div>
            <div class="modal-
body">Select "Logout" below if you
are ready to end your current
session.</div>
            <div class="modal-
footer">
                <button class="btn btn-
secondary" type="button" data-
dismiss="modal">Cancel</button>
                <a class="btn btn-
primary"
href="login.html">Logout</a>
            </div>
        </div>
    </div>
</div>

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

<!-- Core plugin JavaScript-->

```

```

<script src="vendor/jquery-
easing/jquery.easing.min.js"></script>
>

<!-- Custom scripts for all pages--
>
    <script src="js/sb-admin-
2.min.js"></script>

</body>

</html>
<?php
require 'functions.php';

if (isset($_POST["submit"])) {

    if (addalternatif($_POST) > 0) {
        echo "<script>
        alert('data berhasil ditambahkan');
        document.location.href =
'dataalternatif.php'

        </script>";
    } else {
        echo "<script>
        alert('data gagal ditambahkan');
        document.location.href =
'dataalternatif.php'

        </script>";
    }
}
?>
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1">
    <title></title>
    <link rel="stylesheet"
type="text/css"
href="css/bootstrap.min.css">
</head>

```

```

<body>
  <br>
  <div class="container">
    <div class="card">
      <div class="card-header bg-primary
text-white">
        FORM INPUT DATA
        ALTERNATIF
      </div>
      <div class="card-body">
        <form action=""
method="POST">
          <div class="form-group">
            <label
for="nama">NAMA</label>
            <input type="text"
class="form-control" id="nama"
name="nama">
          </div>
          <button type="submit"
class="btn btn-primary"
name="submit">Submit
          </button>
          <a href="dataalternatif.php"
type="submit" class="btn btn-
danger">Back</a>
        </form>
      </div>
    </div>
  </div>
  <script
type="js/bootstrap.min.js"></script>
</body>
</html>

```

Add-kriteria.php

```

<?php
require 'functions.php';

if (isset($_POST["submit"])) {

  if (addkriteria($_POST) > 0) {
    echo "<script>
    alert('data berhasil ditambahkan');
    document.location.href =
'datakriteria.php'

```

```

    </script>";
  } else {
    echo "<script>
    alert('data gagal ditambahkan');
    document.location.href =
'datakriteria.php'

    </script>";
  }
}

?>

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport"
content="width=device-width,
initial-scale=1">
  <title></title>
  <link rel="stylesheet"
type="text/css"
href="css/bootstrap.min.css">
</head>
<body>
  <br>
  <div class="container">
    <div class="card">
      <div class="card-header bg-primary
text-white">
        FORM INPUT DATA KRITERIA
      </div>
      <div class="card-body">
        <form action=""
method="POST">
          <div class="form-group">
            <label
for="kriteria">KRITERIA</label>
            <input type="text"
class="form-control" id="kriteria"
name="kriteria">
          </div>
          <div class="form-group">
            <label
for="bobot">BOBOT</label>

```

```

        <input type="text"
class="form-control" id="bobot"
name="bobot">
    </div>
    <div class="form-group">
        <label
for="bobot">ATRIBUT</label>
        <select class="form-control"
name="atribut">
            <option
value="benefit">BENEFIT</option>
            <option
value="cost">COST</option>
        </select>
    </div>
    <button type="submit"
class="btn btn-primary"
name="submit">Submit
    </button>
    <a href="datakriteria.php"
type="submit" class="btn btn-
danger">Back</a>
</form>
</div>
</div>

```

```

<script
type="js/bootstrap.min.js"></script>
</body>
</html>

```

Add-perhitungan.php

```

<?php
require 'functions.php';

$datahitung = query("SELECT *
FROM saw_nilai");
$dataalternatif = query("SELECT *
FROM saw_alternatif");
$datakriteria = query("SELECT *
FROM saw_kriteria");

if (isset($_POST["submit"])) {
    if (addperhitungan($_POST) > 0) {

```

```

        echo "<script>
        alert('data berhasil ditambahkan');
        document.location.href =
'dataperhitungan.php'

        </script>";
    } else {
        echo "<script>
        alert('data gagal ditambahkan');
        document.location.href =
'dataperhitungan.php'

        </script>";
    }
}
?>

```

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1">
    <title></title>
    <link rel="stylesheet"
type="text/css"
href="css/bootstrap.min.css">
</head>
<body>
    <br>
    <div class="container">
        <div class="card">
            <div class="card-header bg-primary
text-white">
                FORM INPUT DATA
                PERHITUNGAN SAW DAN WP
            </div>
            <div class="card-body">
                <form action=""
method="POST">
                    <div class="form-group">
                        <label
for="id_alternatif">ID
                        ALTERNATIF</label>

```

```

        <select class="form-control"
id="id_alternatif"
name="id_alternatif"
onchange="tambah()">
        <option
value="">PILIH</option>
        <?php foreach
($dataalternatif as $row ) :?>
        <option
value="<?=$row["id_alternatif"];
?>"><?=$row["nama"]; ?></option>
        <?php endforeach; ?>
        </select>
    </div>
    <div class="form-group">
        <label
for="nama">nama</label>
        <input type="text"
class="form-control" id="nama"
name="nama">
    </div>

    <div class="form-group">
        <label for="id_kriteria">ID
KRITERIA</label>
        <select class="form-control"
name="id_kriteria" id="id_kriteria"
onchange="tambahkr()">
        <option
value="">PILIH</option>
        <?php foreach ($datakriteria
as $row ) :?>
        <option
value="<?=$row["id_kriteria"];
?>"><?=$row["kriteria"];
?></option>
        <?php endforeach; ?>
        </select>
    </div>
    <div class="form-group">
        <label
for="kriteria">kriteria</label>

```

```

        <input type="text"
class="form-control" id="kriteria"
name="kriteria">
    </div>

    <div class="form-group">
        <label
for="nilai">nilai</label>
        <input type="text"
class="form-control" id="nilai"
name="nilai">
    </div>

    <button type="submit"
class="btn btn-primary"
name="submit">Submit
    </button>
    <a
href="dataperhitungan.php"
type="submit" class="btn btn-
danger">Back</a>
</form>
</div>
</div>

<script
src="https://code.jquery.com/jquery-
1.12.4.js" integrity="sha256-
Qw82+bXyGq6MydymqBxNPYT
a UXXq7c8v3CwiYwLLNXU="
crossorigin="anonymous"></script>
<script type="text/javascript">

```

```

function tambah() {
    var alternatif =
$("#id_alternatif").val();
$.ajax({
    url : 'autofil-ajax.php',
    data : 'id_alternatif='+alternatif,
}).success(function(data){
    var json = data,
    obj = JSON.parse(json);
    $("#nama").val(obj.nama);

```

```

    });
}
</script>

<script type="text/javascript">
function tambahkr() {
    var kriteria =
    $("#id_kriteria").val();
    $.ajax({
        url : 'autofil-ajax-kr.php',
        data : 'id_kriteria='+kriteria,
    }).success(function(data){
        var json = data,
        obj = JSON.parse(json);
        $("##kriteria").val(obj.kriteria);

    });
}
</script>
<script
type="js/bootstrap.min.js"></script>
</body>
</html>

```

Autofill-ajax-kr.php

```

<?php
require 'functions.php';
$kriteria = $_GET['id_kriteria'];

$sql =
mysqli_query($conn,"SELECT *
FROM saw_kriteria where
id_kriteria='$kriteria'");

$skriter = mysqli_fetch_array($sql);
$data = array(
    'kriteria' => $skriter['kriteria']
);
echo json_encode($data);

?>

```

Autofill-ajax.php

```

<?php
require 'functions.php';
$alternatif = $_GET['id_alternatif'];

```

```

$sql =
mysqli_query($conn,"SELECT *
FROM saw_alternatif where
id_alternatif='$alternatif'");

```

```

$alter = mysqli_fetch_array($sql);
$data = array(
    'nama' => $alter['nama']
);
echo json_encode($data);

```

```
?>
```

Cek_login.php

```

<?php
require 'functions.php';

// Mendapatkan username dan
password dari form yang dikirimkan
$username =
mysqli_real_escape_string($conn,
$_POST['username']);
$password =
mysqli_real_escape_string($conn,
$_POST['password']);

// Melakukan query untuk memeriksa
apakah username ada di dalam
database
$ccek_user = mysqli_query($conn,
"SELECT * FROM user WHERE
username = '$username'");

// Mengambil data pengguna sebagai
array asosiatif
$user_valid =
mysqli_fetch_assoc($cek_user);

// Memeriksa apakah pengguna
dengan username tersebut ditemukan
if ($user_valid) {
    // Memeriksa apakah password
yang dimasukkan cocok dengan
password yang tersimpan
    if ($password ==
$user_valid['password']) {

```

```

// Memulai sesi PHP
session_start();
// Menyimpan data pengguna ke
dalam variabel sesi
$_SESSION['username'] =
$user_valid['username'];
$_SESSION['nama'] =
$user_valid['nama'];
// Mengarahkan pengguna ke
halaman dataalternatif.php
header('location:
dataalternatif.php');
exit;
} else {
// Jika password tidak cocok,
tampilkan pesan kesalahan dan
arahkan kembali ke halaman login
echo "<script>alert('Maaf, login
gagal. Password tidak
sesuai.');

```

Edit-alternatif.php

```

<?php
require 'functions.php';

$id = $_GET["id_alternatif"];

$editalternatif = query("SELECT *
FROM saw_alternatif WHERE
id_alternatif=$id")[0];

if (isset($_POST["submit"])) {

    if (editalternatif($_POST) > 0) {

```

```

        echo "<script>
        alert('data berhasil diedit');
        document.location.href =
        'dataalternatif.php'

        </script>";
    } else {
        echo "<script>
        alert('data gagal diedit');
        document.location.href =
        'dataalternatif.php'

        </script>";
    }
}
?>

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport"
    content="width=device-width,
    initial-scale=1">
    <title></title>
    <link rel="stylesheet"
    type="text/css"
    href="css/bootstrap.min.css">
</head>
<body>
    <br>
    <div class="container">
        <div class="card">
            <div class="card-header bg-primary
            text-white">
                FORM EDIT DATA
                ALTERNATIF
            </div>
            <div class="card-body">
                <form action=""
                method="POST">
                    <input type="hidden"
                    name="id_alternatif"
                    value="<?=$editalternatif["id_alterna
                    tif"]; ?>">

```

```

        <div class="form-group">
            <label
for="nama">NAMA</label>
            <input type="text"
class="form-control" id="nama"
name="nama"
value="<?=$editalternatif["nama"]>
?>">
        </div>

        <button type="submit"
class="btn btn-primary"
name="submit">Submit
        </button>
        <a href="dataalternatif.php"
type="submit" class="btn btn-
danger">Back</a>
    </form>
</div>
</div>
</div>

<script
type="js/bootstrap.min.js"></script>
</body>
</html>

        Edit-hitung.php

<?php
require 'functions.php';

$id = $_GET["id_hitung"];

$edithitung = query("SELECT *
FROM saw_nilai WHERE
id_hitung=$id")[0];

if (isset($_POST["submit"])) {

    if (edithitung($_POST) > 0) {
        echo "<script>
        alert('data berhasil diedit');
        document.location.href =
'dataperhitungan.php'

```

```

        </script>";
    } else {
        echo "<script>
        alert('data gagal diedit');
        document.location.href =
'dataperhitungan.php'

        </script>";
    }
}
?>

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1">
    <title></title>
    <link rel="stylesheet"
type="text/css"
href="css/bootstrap.min.css">
</head>
<body>
    <br>
    <div class="container">
        <div class="card">
            <div class="card-header bg-primary
text-white">
                FORM EDIT DATA
                PERHITUNGAN SAW DAN WPF
            </div>
            <div class="card-body">
                <form action=""
method="POST">
                    <input type="hidden"
name="id_hitung"
value="<?=$edithitung["id_hitung"]>
?>">
                    <div class="form-group">

                        <input type="hidden"
class="form-control"
id="id_alternatif"
name="id_alternatif"

```

```

value="<?=$edithitung["id_alternatif
"]; ?>" readonly>
</div>
<div class="form-group">
<label
for="nama">NAMA</label>
<input type="text"
class="form-control" id="nama"
name="nama"
value="<?=$edithitung["nama"];
?>"readonly>
</div>
<div class="form-group">
<input type="hidden"
class="form-control" id="id_kriteria"
name="id_kriteria"
value="<?=$edithitung["id_kriteria"]
; ?>" readonly>
</div>
<div class="form-group">
<label
for="kriteria">KRITERIA</label>
<input type="text"
class="form-control" id="kriteria"
name="kriteria"
value="<?=$edithitung["kriteria"];
?>" readonly>
</div>
<div class="form-group">
<label
for="nilai">NILAI</label>
<input type="text"
class="form-control" id="nilai"
name="nilai"
value="<?=$edithitung["nilai"]; ?>"
>
</div>
<button type="submit"
class="btn btn-primary"
name="submit">Submit
</button>
<a
href="dataperhitungan.php"

```

```

type="submit" class="btn btn-
danger">Back</a>
</form>
</div>
</div>
</div>
<script
type="js/bootstrap.min.js"></script>
</body>
</html>

```

Edit-kriteria.php

```

<?php
require 'functions.php';

$id = $_GET["id_kriteria"];

$editkriteria = query("SELECT *
FROM saw_kriteria WHERE
id_kriteria=$id")[0];

if (isset($_POST["submit"])) {
    if (editkriteria($_POST) > 0) {
        echo "<script>
        alert('data berhasil diedit');
        document.location.href =
        'datakriteria.php'

        </script>";
    } else {
        echo "<script>
        alert('data gagal diedit');
        document.location.href =
        'datakriteria.php'

        </script>";
    }
}
?>

<!DOCTYPE html>
<html>

```

```

<head>
    <meta charset="utf-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1">
    <title></title>
    <link rel="stylesheet"
type="text/css"
href="css/bootstrap.min.css">
</head>
<body>
    <br>
<div class="container">
    <div class="card">
        <div class="card-header bg-primary
text-white">
            FORM EDIT DATA KRITERIA
        </div>
        <div class="card-body">
            <form action=""
method="POST">
                <input type="hidden"
name="id_kriteria"
value="<?=$editkriteria["id_kriteria"
]; ?>">
                <div class="form-group">
                    <label
for="kriteria">KRITERIA</label>
                    <input type="text"
class="form-control" id="kriteria"
name="kriteria"
value="<?=$editkriteria["kriteria"];
?>">
                </div>
                <div class="form-group">
                    <label
for="bobot">BOBOT</label>
                    <input type="text"
class="form-control" id="bobot"
name="bobot"
value="<?=$editkriteria["bobot"];
?>">
                </div>
                <div class="form-group">
                    <label
for="bobot">ATRIBUT</label>

```

```

        <select class="form-control"
name="atribut" >
            <option
value="<?=$editkriteria["atribut"];
?>"><?=$editkriteria["atribut"];
?></option>
            <option
value="cost">cost</option>
            <option
value="benefit">benefit</option>
        </select>
    </div>
    <button type="submit"
class="btn btn-primary"
name="submit">Submit
    </button>
    <a href="datakriteria.php"
type="submit" class="btn btn-
danger">Back</a>
</form>
</div>
</div>
</div>
<script
type="js/bootstrap.min.js"></script>
</body>
</html>

```

edit-user.php

```

<?php
require 'functions.php';
session_start();

if (empty($_SESSION['username']))
{
    echo "<script>alert('maaf login
gagal, maaf, anda harus login
terlebih
dahulu');document.location='index.p
hp' </script>";
};

$id = $_GET["id"];

$ubahuser = query("SELECT *
FROM user WHERE id=$id")[0];

```

```

if (isset($_POST["submit"])) {

    if (ubahuser($_POST) > 0) {
        echo "<script>
        alert('data berhasil diedit');
        document.location.href =
        'user.php'

        </script>";
    } else {
        echo "<script>
        alert('data gagal diedit');
        document.location.href =
        'user.php'
        </script>";
    }
}

?>

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport"
    content="width=device-width,
    initial-scale=1">
    <title></title>
    <link rel="stylesheet"
    type="text/css"
    href="css/bootstrap.min.css">
</head>
<body>
    <br>
<div class="container">
    <div class="card">
        <div class="card-header bg-primary
        text-white">
            FORM EDIT DATA USER
        </div>
        <div class="card-body">

            <form action=""
            method="POST">

```

```

        <input type="hidden" name="id"
        value="<?=$ubahuser["id"]; ?>">
        <div class="form-group">
            <label
            for="username">USERNAME</label>
            <input type="text"
            class="form-control" id="username"
            name="username"
            value="<?=$ubahuser["username"];
            ?>">
        </div>
        <div class="form-group">
            <label
            for="nama">NAMA</label>
            <input type="text"
            class="form-control" id="nama"
            name="nama"
            value="<?=$ubahuser["nama"];
            ?>">
        </div>
        <div class="form-group">
            <label
            for="password">PASSWORD</label>
            <input type="password"
            class="form-control" id="password"
            name="password"
            value="<?=$ubahuser["password"];
            ?>">
        </div>
        <button type="submit"
        class="btn btn-primary"
        name="submit">Submit
        </button>
        <a href="user.php"
        type="submit" class="btn btn-
        danger">Back</a>
    </form>
    </div>
</div>
</div>
<script
type="js/bootstrap.min.js"></script>
</body>

```

```
</html>
```

Functions.php

```
<?php
```

```
//-- konfigurasi database
$dbhost = 'localhost';
$dbuser = 'root';
$dbpass = "";
$dbname = 'saw_2';
//-- koneksi ke database server
dengan extension mysqli
$conn = new
mysqli($dbhost,$dbuser,$dbpass,$db
name);
//-- hentikan program dan tampilkan
pesan kesalahan jika koneksi gagal
if ($conn->connect_error) {
    die('Connect Error ('.$conn-
>connect_errno.').$conn-
>connect_error);
}
```

```
function query($query){
    global $conn;
    $result =
mysqli_query($conn,$query);
    $rows = [];
    while ($row =
mysqli_fetch_assoc($result)) {
        $rows[]=$row;
    }
    return $rows;
}
```

```
// AWAL TAMBAH
```

```
function addperhitungan($data){
    global $conn;
    $id_alternatif =
htmlspecialchars($data['id_alternatif
']);
    $nama =
htmlspecialchars($data['nama']);
    $id_kriteria =
htmlspecialchars($data['id_kriteria']);
```

```
$kriteria =
htmlspecialchars($data['kriteria']);
$nilai =
htmlspecialchars($data['nilai']);
```

```
    $query = "INSERT INTO
saw_nilai
VALUES
(',$id_alternatif','$nama','$id_kriteria
','$kriteria','$nilai')
";
    mysqli_query($conn, $query);
    return
mysqli_affected_rows($conn);
}
```

```
function addkriteria($data){
    global $conn;
    $kriteria =
htmlspecialchars($data['kriteria']);
    $bobot =
htmlspecialchars($data['bobot']);
    $atribut =
htmlspecialchars($data['atribut']);
```

```
    $query = "INSERT INTO
saw_kriteria
VALUES
```

```
(',$kriteria','$bobot','$atribut')
";
    mysqli_query($conn, $query);
    return
mysqli_affected_rows($conn);
```

```
}
function addalternatif($data){
    global $conn;
```

```

    $nama =
htmlspecialchars($data['nama']);

    $query = "INSERT INTO
saw_alternatif
        VALUES
            (',$nama')
        ";
    mysqli_query($conn, $query);
    return
mysqli_affected_rows($conn);
}
function adduser($data){
    global $conn;
    $username =
htmlspecialchars($data['username']);
    $nama =
htmlspecialchars($data['nama']);
    $password =
htmlspecialchars($data['password']);

    $query = "INSERT INTO user
        VALUES

(',$username', '$nama', '$password')
        ";
    mysqli_query($conn, $query);
    return
mysqli_affected_rows($conn);
}
// AKHIR TAMBAH

// AWAL EDIT

// AWAL EDIT
function edithitung($data){
    global $conn;
    $id = $data['id_hitung'];
    $id_alternatif =
htmlspecialchars($data['id_alternatif'
]);
    $nama =
htmlspecialchars($data['nama']);

```

```

    $id_kriteria =
htmlspecialchars($data['id_kriteria']);
    $kriteria =
htmlspecialchars($data['kriteria']);
    $nilai =
htmlspecialchars($data['nilai']);

    $query = "UPDATE saw_nilai
SET
        id_alternatif =
'$id_alternatif',
        nama = '$nama',
        id_kriteria = '$id_kriteria',
        kriteria = '$kriteria',
        nilai = '$nilai'

        WHERE id_hitung = $id
        ";
    mysqli_query($conn, $query);
    return
mysqli_affected_rows($conn);
}

function editkriteria($data){
    global $conn;
    $id = $data['id_kriteria'];
    $kriteria =
htmlspecialchars($data['kriteria']);
    $bobot =
htmlspecialchars($data['bobot']);
    $atribut =
htmlspecialchars($data['atribut']);

    $query = "UPDATE
saw_kriteria SET
        kriteria = '$kriteria',
        bobot = '$bobot',
        atribut = '$atribut'

```

```

        WHERE id_kriteria = $id
        ";
        mysqli_query($conn, $query);
        return
mysqli_affected_rows($conn);
    }
    function editalternatif($data){
        global $conn;
        $id = $data['id_alternatif'];
        $nama =
htmlspecialchars($data['nama']);
        $query = "UPDATE
saw_alternatif SET
            nama = '$nama'
            WHERE id_alternatif = $id
            ";
        mysqli_query($conn, $query);
        return
mysqli_affected_rows($conn);
    }
    function ubahuser($data){
        global $conn;
        $id = $data['id'];
        $username =
htmlspecialchars($data['username']);
        $nama =
htmlspecialchars($data['nama']);
        $password =
htmlspecialchars($data['password']);
        $query = "UPDATE user SET
            username = '$username',
            nama = '$nama',
            password = '$password'
            WHERE id = $id
            ";
        mysqli_query($conn, $query);
        return
mysqli_affected_rows($conn);
    }
}
// AKHIR EDIT

// AWAL HAPUS

```

```

function hapususer($id){
    global $conn;
    mysqli_query($conn,"DELETE
FROM user WHERE id = $id");
    return
mysqli_affected_rows($conn);
}
function hapuskriteria($id){
    global $conn;
    mysqli_query($conn,"DELETE
FROM saw_kriteria WHERE
id_kriteria = $id");
    return
mysqli_affected_rows($conn);
}
function hapusalternatif($id){
    global $conn;
    mysqli_query($conn,"DELETE
FROM saw_alternatif WHERE
id_alternatif = $id");
    return
mysqli_affected_rows($conn);
}
function hapushitung($id){
    global $conn;
    mysqli_query($conn,"DELETE
FROM saw_nilai WHERE id_hitung
= $id");
    return
mysqli_affected_rows($conn);
}
// AKHIR HAPUS

// AWAL CARI
function carikriteria($keyword){
    $query = "SELECT * FROM
saw_kriteria WHERE
kriteria LIKE '%$keyword%'";
    return query($query);
}
function carialternatif($keyword){
    $query = "SELECT * FROM
saw_alternatif WHERE
nama LIKE '%$keyword%'";
    return query($query);
}

```

```
function cariperhitungan($keyword){
    $query = "SELECT * FROM
saw_nilai WHERE
    nama LIKE '%$keyword%' OR
    kriteria LIKE '%$keyword%'";
    return query($query);
}
?>
```

Hapus-alternatif.php

```
<?php
require 'functions.php';
$id = $_GET['id_alternatif'];
if (hapusalternatif($id)>0) {
    echo "<script>
        alert('data berhasil
dihapus');

        document.location.href =
'dataalternatif.php'

        </script>";
    } echo "<script>
        alert('data gagal
dihapus');

        document.location.href =
'dataalternatif.php'
        </script>";
?>
```

Hapus-hitung.php

```
<?php
require 'functions.php';
$id = $_GET['id_hitung'];
if (hapushitung($id)>0) {
    echo "<script>
        alert('data berhasil
dihapus');

        document.location.href =
'dataperhitungan.php'

        </script>";
    } echo "<script>
        alert('data gagal
dihapus');
```

```
        document.location.href =
'dataperhitungan.php'
        </script>";
?>
```

Hapus-kriteria.php

```
<?php
require 'functions.php';
$id = $_GET['id_kriteria'];
if (hapus kriteria($id)>0) {
    echo "<script>
        alert('data berhasil
dihapus');

        document.location.href =
'datakriteria.php'

        </script>";
    } echo "<script>
        alert('data gagal
dihapus');

        document.location.href =
'datakriteria.php'
        </script>";
?>
```

Hapususer.php

```
<?php
require 'functions.php';
$id = $_GET['id'];
if (hapususer($id)>0) {
    echo "<script>
        alert('data berhasil
dihapus');

        document.location.href =
'user.php'

        </script>";
    } echo "<script>
        alert('data gagal
dihapus');

        document.location.href =
'user.php'
```

```

</script>";

?>
Hasil-saw.php
<?php
require 'functions.php';
session_start();

if (empty($_SESSION['username']))
{
    echo "<script>alert('maaf login
gagal, maaf, anda harus login terlebih
dahulu');document.location='index.p
hp' </script>";
};

$datakriteria = query("SELECT *
FROM saw_kriteria");

$dataalter = query("SELECT *
FROM saw_alternatif");

//-- inisialisasi variabel array
alternatif
$alternatif=array();
$sql='SELECT * FROM
saw_alternatif';
$data=$conn->query($sql);
while($row = $data->fetch_object()){
    $alternatif[$row-
>id_alternatif]=$row->nama;
}
//-- inisialisasi variabel array kriteria
dan bobot (W)
$kriteria = array();
$w = array(); // Array untuk
menyimpan bobot

$sql = 'SELECT * FROM
saw_kriteria';
$data = $conn->query($sql);

// Hitung total bobot dari semua
kriteria
$total_bobot = 0;

```

```

while ($row = $data->fetch_object())
{
    $kriteria[$row->id_kriteria] =
array($row->kriteria, $row->atribut);
    $w[$row->id_kriteria] = $row-
>bobot;
    $total_bobot += $row->bobot;
}

// Hitung bobot relatif dari setiap
kriteria
foreach ($w as $kriteria_id =>
$bobot) {
    $w[$kriteria_id] = $bobot /
$total_bobot;
}

//-- inisialisasi variabel array matriks
keputusan X
$X = array();
//-- inisialisasi variabel array nilai
minimum/maximum per kriteria
$min_j = array();
$max_j = array();

// set nilai awal max dan min
foreach ($kriteria as $kriteria_id =>
$kriteria_data) {
    $min_j[$kriteria_id] =
1000000000000;
    $max_j[$kriteria_id] = -1;
}

//-- ambil nilai dari tabel
$sql = 'SELECT * FROM saw_nilai';
$data = $conn->query($sql);
while ($row = $data->fetch_object())
{
    $kriteria_id = $row->id_kriteria;
    $nilai = $row->nilai;
    $alternatif_id = $row-
>id_alternatif;

    $X[$alternatif_id][$kriteria_id] =
$nilai;

```

```

    $max_j[$kriteria_id] =
max($max_j[$kriteria_id], $nilai);
    $min_j[$kriteria_id] =
min($min_j[$kriteria_id], $nilai);
}

$R=array();
foreach($X as $i=>$x_i){
    $R[$i]=array();
    foreach($x_i as $j=>$x_ij){
        if($kriteria[$j][1]=='cost') {
            $R[$i][$j]=$min_j[$j]/$x_ij;
//rumus jika cost
            //cetak proses normalisasi

        }
        else {
            $R[$i][$j]=$x_ij/$max_j[$j];
//rumus jika bnefit
            //cetak proses normalisasi
        }
    }
}
?>

<!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">
    <meta name="description"
content="">
    <meta name="author" content="">

    <title>SPK SAW DAN WP</title>

    <!-- Custom fonts for this template-
->

        <link href="vendor/fontawesome-
free/css/all.min.css" rel="stylesheet"
type="text/css">
        <link

href="https://fonts.googleapis.com/cs
s?family=Nunito:200,200i,300,300i,
400,400i,600,600i,700,700i,800,800i
,900,900i"
        rel="stylesheet">

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

</head>

<body id="page-top">

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

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

            <!-- Sidebar - Brand -->
            <a class="sidebar-brand d-
flex align-items-center justify-
content-center">

                <div class="sidebar-brand-
text mx-3">SAW & WP </div>
            </a>

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

            <!-- Nav Item - Dashboard -->
            <li class="nav-item">
                <a class="nav-link"
href="datakriteria.php">

```

```

        <i class="fas fa-fw fa-
cog"></i>

<span>KRITERIA</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
href="dataalternatif.php">
            <i class="fas fa-fw fa-
folder"></i>

<span>ALTERNATIF</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
href="datapenerhitungan.php">
            <i class="fas fa-fw fa-
table"></i>

<span>PERHITUNGAN</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
href="hasil-saw.php">

            <span>HASIL
PERHITUNGAN SAW</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
href="hasil-wp.php">

            <span>HASIL
PERHITUNGAN WP</span></a>
    </li>
    <li class="nav-item">
        <a class="nav-link"
href="user.php">
            <i class="fas fa-fw fa-
users"></i>

<span>USER</span></a>
    </li>

<!-- Divider -->

```

```

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

<!-- Sidebar Toggler
(Sidebar) -->
    <div class="text-center d-
none d-md-inline">
        <button class="rounded-
circle border-0"
id="sidebarToggle"></button>
    </div>

</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 Toggler
(Topbar) -->
            <button
id="sidebarToggleTop" class="btn
btn-link d-md-none rounded-circle
mr-3">

                <i class="fa fa-
bars"></i>
            </button>

            <!-- Topbar Search -->

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

                <!-- 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['nama']
?></span>
            
            </a>
        <!-- Dropdown -
User Information -->
        <div
class="dropdown-menu dropdown-
menu-right shadow animated--grow-
in"
aria-
labelledby="userDropdown">
            <div
class="dropdown-divider"></div>
            <a class="btn
btn-primary btn-lg"
href="logout.php" role="button">
                <i class="fas
fa-sign-out-alt fa-sm fa-fw mr-2 text-
gray-400"></i>
                Logout
            </a>
        </div>
    </li>
</ul>
</nav>
<!-- End of Topbar -->

```

```

        <!-- Begin Page Content --
>
        <div class="container-
fluid">
            <!-- Page Heading -->
            <h1 class="h3 mb-4 text-
gray-800">HASIL SAW</h1>
            <table class="table">
            <thead class="thead-dark">
            <tr>
            <th scope="col">ALTERNATIF /
KRITERIA</th>
            <?php foreach ($datakriteria as
$row) : ?>
            <th scope="col"><?=$_
$row["kriteria"]; ?></th>
            <?php endforeach; ?>
            </tr>
            <tr>
            <td class="bg-
warning">ATRIBUT</td>
            <?php foreach ($datakriteria as
$row) : ?>
            <td class="bg-warning"><?=$_
$row["atribut"]; ?></td>
            <?php endforeach; ?>
            </tr>
            </thead>
            <tbody>
            <?php foreach ($X as $alternatif_id
=> $values) : ?>
            <tr>
            <td><?=$_
isset($alternatif[$alternatif_id]) ?
$alternatif[$alternatif_id] :
"Unknown" ; ?></td>
            <?php foreach ($kriteria as
$kriteria_id => $kriteria_data) : ?>
            <td><?=$_
isset($values[$kriteria_id]) ?
$values[$kriteria_id] : 0; ?></td>
            <?php endforeach; ?>
            </tr>

```

```

        <?php endforeach; ?>
    </tr>
    <td class="bg-warning">NILAI
    MINIMAL</td>
    <?php foreach ($kriteria as
    $kriteria_id => $kriteria_data) : ?>
        <td class="bg-warning"><?=$
    $min_j[$kriteria_id]; ?></td>
    <?php endforeach; ?>
    </tr>
    <tr>
        <td class="bg-warning">NILAI
    MAXIMAL</td>
    <?php foreach ($kriteria as
    $kriteria_id => $kriteria_data) : ?>
        <td class="bg-warning"><?=$
    $max_j[$kriteria_id]; ?></td>
    <?php endforeach; ?>
    </tr>
    <tr><th
        class="bg-
    warning">BOBOT</th>
    <?php foreach ($datakriteria as
    $row) : ?>
        <th scope="col" class="bg-
    warning"><?=$row["bobot"];
    ?></th>
    <?php endforeach; ?>
    </tr>

    </tbody>
</table>
<h1 class="h3 mb-4 text-gray-
800">NORMALISASI
MATRIX</h1>

```

```

<table class="table">
    <thead class="thead-dark">
        <tr>
            <th scope="col">ALTERNATIF
    / KRITERIA</th>
            <?php foreach($datakriteria as
    $row) : ?>

                <th
                    scope="col"><?=$
    $row["kriteria"]; ?></th>

```

```

        <?php endforeach; ?>
    </tr>
</thead>
<tbody>
    <?php foreach ($X as
    $alternatif_id => $values): ?>
        <tr>
            <td><?=$
    $alternatif[$alternatif_id]; ?></td>
            <?php foreach ($kriteria as
    $kriteria_id => $kriteria_data): ?>
                <td><?=$
    number_format($R[$alternatif_id][$
    kriteria_id], 3); ?></td>
            <?php endforeach; ?>
        </tr>
    <?php endforeach; ?>
</tbody>

```

```

</table>

```

```

<table class="table">
    <thead class="thead-dark">
        <tr>
            <th>ALTERNATIF</th>
            <th>NILAI</th>
        </tr>
    </thead>
    <tbody>
        <?php
            $P = array();
            foreach ($R as $i => $r_i) {
                $P[$i] = 0;
                echo "<tr>";
                echo "<td> " . $alternatif[$i] .
    "</td>"; // Assuming $alternatif
    corresponds to $R index
                foreach ($r_i as $j => $r_ij) {
                    $P[$i] += $w[$j] * $r_ij;
                }
                echo "        "<td>"
    number_format($P[$i], 9) . "</td>";
                echo "</tr>";
            }

            ?>

```

```

</tbody>
</table>
<table class="table">
  <thead class="thead-dark">
    <tr>
      <th>ALTERNATIF</th>
      <th>RANK</th>
      <th>NILAI</th>
    </tr>
  </thead>
  <tbody>
    <?php
      // Hitung nilai P[$i] untuk setiap
alternatif
      $P = array();
      foreach($R as $i => $r_i) {
        // Inisialisasi nilai P untuk
alternatif ke-i
        $P[$i] = 0;
        foreach($r_i as $j => $r_ij) {
          $P[$i] += $w[$j] * $r_ij;
        }
      }

      // Urutkan $P dari yang terbesar
ke yang terkecil beserta indeksnya
      arsort($P);

      // Buat tabel berdasarkan urutan
yang sudah diurutkan
      $rank = 1;
      foreach($P as $index => $value)
      {
        echo "<tr>";
        echo "      <td>" .
$alternatif[$index] . " </td>"; //
Menampilkan nama alternatif
        echo "      <td>" . $rank . " </td>";
// Menampilkan peringkat
        echo "      <td>" .
number_format($value, 9) . " </td>";
// Menampilkan nilai $P[$i]
        echo "</tr>";
        $rank++;
      }
    ?>

```

```

</tbody>
</table>

</div>
<!-- /.container-fluid -->

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

<!-- Footer -->
<footer class="sticky-footer
bg-white">
  <div class="container my-
auto">
    <div class="copyright
text-center my-auto">
      <span>Copyright
&copy; Your Website 2020</span>
    </div>
  </div>
</footer>
<!-- End of Footer -->

</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>

<!-- Logout Modal-->
<div class="modal fade"
id="logoutModal" tabindex="-1"
role="dialog" aria-
labelledby="exampleModalLabel"
aria-hidden="true">
  <div class="modal-dialog"
role="document">
    <div class="modal-content">

```

```

        <div class="modal-
header">
            <h5 class="modal-title"
id="exampleModalLabel">Ready to
Leave?</h5>
            <button class="close"
type="button" data-dismiss="modal"
aria-label="Close">
                <span aria-
hidden="true">×</span>
            </button>
        </div>
        <div class="modal-
body">Select "Logout" below if you
are ready to end your current
session.</div>
        <div class="modal-
footer">
            <button class="btn btn-
secondary" type="button" data-
dismiss="modal">Cancel</button>
            <a class="btn btn-
primary"
href="login.html">Logout</a>
        </div>
    </div>
</div>

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

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

<!-- Custom scripts for all pages-->
<script src="js/sb-admin-
2.min.js"></script>

```

```
</body>
```

```
</html>
```

Hasil-wp.php

```

<?php
require 'functions.php';
session_start();

if (empty($_SESSION['username']))
{
    echo "<script>alert('maaf login
gagal, maaf, anda harus login terlebih
dahulu');document.location='index.p
hp' </script>";
};

$datakriteria = query("SELECT *
FROM saw_kriteria");
$dataalter = query("SELECT *
FROM saw_alternatif");

//-- inisialisasi variabel array
alternatif
$alternatif=array();
$sql='SELECT * FROM
saw_alternatif';
$data=$conn->query($sql);
while($row = $data->fetch_object()){
    $alternatif[$row-
>id_alternatif]=$row->nama;
}

//-- inisialisasi variabel array kriteria
dan bobot (W)
$kriteria = array();
$w = array(); // Array untuk
menyimpan bobot

$sql = 'SELECT * FROM
saw_kriteria';
$data = $conn->query($sql);

// Hitung total bobot dari semua
kriteria
$total_bobot = 0;

```

```

while ($row = $data->fetch_object())
{
    $skriteria[$row->id_kriteria] =
array($row->kriteria, $row->atribut);
    $w[$row->id_kriteria] = $row-
>bobot;
    $total_bobot += $row->bobot;
}

```

```

// Hitung bobot relatif dari setiap
kriteria
foreach ($w as $skriteria_id =>
$bobot) {
    $w[$skriteria_id] = $bobot /
$total_bobot;
}

```

```

//-- inisialisasi variabel array matriks
keputusan X
$X = array();
//-- inisialisasi variabel array nilai
minimum/maximum per kriteria

```

```

//-- ambil nilai dari tabel
$sql = 'SELECT * FROM saw_nilai';
$data = $conn->query($sql);
while ($row = $data->fetch_object())
{
    $skriteria_id = $row->id_kriteria;
    $nilai = $row->nilai;
    $alternatif_id = $row-
>id_alternatif;

    $X[$alternatif_id][$skriteria_id] =
$nilai;
}

```

```

?>
<!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">
    <meta name="description"
content="">
    <meta name="author" content="">

```

```

    <title>SPK SAW DAN WP</title>

```

```

    <!-- Custom fonts for this template-
->

```

```

    <link href="vendor/fontawesome-
free/css/all.min.css" rel="stylesheet"
type="text/css">
    <link

```

```

href="https://fonts.googleapis.com/cs
s?family=Nunito:200,200i,300,300i,
400,400i,600,600i,700,700i,800,800i
,900,900i"
rel="stylesheet">

```

```

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

```

```

</head>

```

```

<body id="page-top">

```

```

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

```

```

        <!-- Sidebar -->

```

```

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

```

```

            <!-- Sidebar - Brand -->

```

```

            <a class="sidebar-brand d-
flex align-items-center justify-
content-center" >

```

```

        <div class="sidebar-brand-
text mx-3">SAW & WP</div>
        </a>

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

        <!-- Nav Item - Dashboard -->
        <li class="nav-item">
            <a class="nav-link"
href="datakriteria.php">
                <i class="fas fa-fw fa-
cog"></i>

<span>KRITERIA</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="dataalternatif.php">
                    <i class="fas fa-fw fa-
folder"></i>

<span>ALTERNATIF</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="datapenghitungan.php">
                    <i class="fas fa-fw fa-
table"></i>

<span>PERHITUNGAN</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="hasil-saw.php">

                <span>HASIL
PERHITUNGAN SAW</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="hasil-wp.php">

```

```

                <span>HASIL
PERHITUNGAN WP</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link"
href="user.php">
                    <i class="fas fa-fw fa-
users"></i>

<span>USER</span></a>
            </li>

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

        <!-- Sidebar Toggler
(Sidebar) -->
        <div class="text-center d-
none d-md-inline">
            <button class="rounded-
circle border-0"
id="sidebarToggle"></button>
        </div>

    </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 Search -->

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

        <!-- 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['nama']?></span>
                
            </a>
            <!-- Dropdown - User Information -->
            <div class="dropdown-menu dropdown-menu-right shadow animated--grow-in" aria-labelledby="userDropdown">

                <div class="dropdown-divider"></div>
                <a class="btn btn-primary btn-lg" href="logout.php" role="button">

```

```

        <i class="fas fa-sign-out-alt fa-sm fa-fw mr-2 text-gray-400"></i>

        Logout
    </a>
</div>
</li>
</ul>

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

<!-- Begin Page Content -->
<div class="container-fluid">

    <!-- Page Heading -->
    <h1 class="h3 mb-4 text-gray-800">HASIL WP</h1>
    <table class="table">
        <thead class="thead-dark">
            <tr>
                <th scope="col">ALTERNATIF / KRITERIA</th>
                <?php foreach ($datakriteria as $row) : ?>
                    <th scope="col"><?=$row["kriteria"]; ?></th>
                <?php endforeach; ?>
            </tr>
        </thead>
        <tbody>
            <?php foreach ($X as $alternatif_id => $values): ?>
                <tr>
                    <td><?=$isset($alternatif[$alternatif_id]) ? $alternatif[$alternatif_id] : "Unknown" ; ?></td>
                    <?php foreach ($kriteria as $kriteria_id => $kriteria_data): ?>
                        <td><?=$isset($values[$kriteria_id]) ? $values[$kriteria_id] : 0; ?></td>
                    <?php endforeach; ?>
                </tr>
            </tbody>
        </table>

```

```

        </tr>
        <?php endforeach; ?>
        <th>BOBOT</th>
        <?php foreach ($datakriteria as $row)
        : ?>
            <?php
                // Menentukan bobot
                berdasarkan atribut kriteria
                $bobot = ($row["atribut"] ==
                'cost') ? -1 * $row["bobot"] :
                $row["bobot"];
            ?>
            <th scope="col"><?=$bobot;
            ?></th>
        <?php endforeach; ?>
        <tr>
            <th>ATRIBUT</th>
            <?php foreach($datakriteria as
            $row): ?>
                <th><?=$row["atribut"]; ?></th>
            <?php endforeach; ?>
        </tr>
    </tbody>
</table>
<?php
$total_nilai_s = 0;
$nilai_s_array = [];

// Langkah 1: Hitung nilai S untuk
setiap alternatif dan total nilai S
foreach ($X as $alternatif_id =>
$values) {
    // Inisialisasi nilai preferensi vektor
    S
    $nilai_s = 1;
    foreach ($kriteria as $kriteria_id
    => $kriteria_data) {
        // Menghitung nilai kriteria yang
        telah dinormalisasi
        $nilai_kriteria =
        isset($values[$kriteria_id]) ?
        $values[$kriteria_id] : 0;
        // Menentukan bobot
        berdasarkan atribut kriteria

        $bobot = ($kriteria_data[1] ==
        'cost') ? -1 * $w[$kriteria_id] :
        $w[$kriteria_id];
        // Mengalikan nilai kriteria
        dengan bobotnya
        $nilai_s *= pow($nilai_kriteria,
        $bobot);
    }
    // Simpan nilai S dan tambahkan ke
    total nilai S
    $nilai_s_array[$alternatif_id] =
    $nilai_s;
    $total_nilai_s += $nilai_s;
}
?>

<table class="table">
    <thead class="thead-dark">
        <tr>
            <th>Alternatif</th>
            <th>Nilai S</th>
        </tr>
    </thead>
    <tbody>
        <?php
            // Menampilkan nilai S
            foreach ($nilai_s_array as
            $alternatif_id => $nilai_s) {
                echo "<tr>";
                echo "        <td>" .
                (isset($alternatif[$alternatif_id]) ?
                $alternatif[$alternatif_id] :
                "Unknown") . "</td>";
                echo "        <td>" . $nilai_s .
                "</td>";
                echo "</tr>";
            }
        ?>
        <tr>
            <td><strong>Total        Nilai
            S</strong></td>
            <td><strong><?php echo
            $total_nilai_s; ?></strong></td>
        </tr>
    </tbody>
</table>

```

```

</tbody>
</table>
<!-- Tabel untuk menampilkan nilai
preferensi vektor V -->

```

```

<table class="table">
  <thead class="thead-dark">
    <tr>
      <th>Alternatif</th>
      <th>Nilai Preferensi (V)</th>
    </tr>
  </thead>
  <tbody>
    <?php
      // Menampilkan nilai V
      foreach ($nilai_s_array as
$alternatif_id => $nilai_s) {
        $nilai_v = $nilai_s /
$total_nilai_s; // Menghitung nilai
preferensi vektor V
        echo "<tr>";
        echo "      <td>" .
(isset($alternatif[$alternatif_id]) ?
$alternatif[$alternatif_id]
:
"Unknown") . "</td>";
        echo "      <td>" . $nilai_v .
"</td>";
        echo "</tr>";
      }
    ?>
  </tbody>
</table>

```

```

<table class="table">
  <thead class="thead-dark">
    <tr>
      <th>Alternatif</th>
      <th>Nilai Preferensi (V)</th>
      <th>Rank</th>
    </tr>
  </thead>
  <tbody>
    <?php
      // Menghitung nilai V
      $nilai_v = array();

```

```

      foreach ($nilai_s_array as
$alternatif_id => $nilai_s) {
        $nilai_v[$alternatif_id] =
$nilai_s / $total_nilai_s; //
Menghitung nilai preferensi vektor V
      }

```

```

      // Urutkan nilai V dari yang
terbesar ke yang terkecil beserta
indeksnya
      arsort($nilai_v);

```

```

      // Buat tabel berdasarkan urutan
nilai V yang sudah diurutkan
      $rank = 1;
      foreach ($nilai_v as
$alternatif_id => $v) {
        echo "<tr>";
        echo "      <td>" .
(isset($alternatif[$alternatif_id]) ?
$alternatif[$alternatif_id]
:
"Unknown") . "</td>";
        echo "      <td>" .
number_format($v, 9) . "</td>"; //
Menampilkan nilai V dengan 3 angka
desimal
        echo "      <td>" . $rank . "</td>";
      // Menampilkan peringkat
      echo "</tr>";
      $rank++;
    }
  </tbody>
</table>

```

```

</div>

```

```

<!-- /.container-fluid -->

```

```

</div>

```

```

<!-- End of Main Content -->

```

```

<!-- Footer -->

```

```

<footer class="sticky-footer
bg-white">

```

```

        <div class="container my-
auto">
            <div class="copyright
text-center my-auto">
                <span>Copyright
&copy; Your Website 2020</span>
            </div>
        </div>
    </footer>
    <!-- End of Footer -->

</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>

<!-- Logout Modal-->
<div class="modal fade"
id="logoutModal" tabindex="-1"
role="dialog" aria-
labelledby="exampleModalLabel"
aria-hidden="true">
    <div class="modal-dialog"
role="document">
        <div class="modal-content">
            <div class="modal-
header">
                <h5 class="modal-title"
id="exampleModalLabel">Ready to
Leave?</h5>
                <button class="close"
type="button" data-dismiss="modal"
aria-label="Close">
                    <span aria-
hidden="true">×</span>
                </button>
            </div>
            <div class="modal-
body">Select "Logout" below if you

```

```

are ready to end your current
session.</div>
        <div class="modal-
footer">
            <button class="btn btn-
secondary" type="button" data-
dismiss="modal">Cancel</button>
            <a class="btn btn-
primary"
href="login.html">Logout</a>
        </div>
    </div>
</div>
</div>

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

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

<!-- Custom scripts for all pages-->
<script src="js/sb-admin-
2.min.js"></script>

</body>

```

```
</html>
```

Logout.php

```

<?php

session_start();
unset($_SESSION['username']);
unset($_SESSION['password']);
unset($_SESSION['nama']);

session_destroy();

```

```
echo "<script>alert('anda telah keluar  
document.location='index.php'</scri  
pt>";  
?>
```