

(Lanjutan)

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MIN(kinerja) AS min_kinerja,
    MIN(booking) AS min_booking,
    MIN(nbot) AS min_nbot
FROM nilai");
$result = mysqli_fetch_array($query);
echo "<tr>";
    echo "<td><b>Nilai Minimal</b></td>";
echo "<td></td>";
echo "<td class='text-center'><b>" . $result['min_presensi'] . "</b></td>";
echo "<td class='text-center'><b>" . $result['min_keterlambatan'] . "</b></td>";
echo "<td class='text-center'><b>" . $result['min_sp'] . "</b></td>";
echo "<td class='text-center'><b>" . $result['min_kinerja'] . "</b></td>";
echo "<td class='text-center'><b>" . $result['min_booking'] . "</b></td>";
echo "<td class='text-center'><b>" . $result['min_nbot'] . "</b></td>";
echo "</tr>";
    ?>
</tr>
</table>
</div>

<h4>Normalisasi Matriks</h4>
<div class="table-responsive">
<table class="table table-bordered">
<thead>
<tr>
<th class="text-center">No</th>
<th class="text-center">Nama Karyawan</th>
<th class="text-center">Presensi</th>
<th class="text-center">Keterlambatan</th>
<th class="text-center">SP</th>
<th class="text-center">Kinerja</th>
<th class="text-center">Booking</th>
<th class="text-center">NBOT</th>
</tr>
</thead>
<tbody>
<?php
include 'koneksi.php';
$query_max = mysqli_query($koneksi, "SELECT
    MAX(presensi) AS max_presensi,
    MAX(keterlambatan) AS max_keterlambatan,
    MAX(sp) AS max_sp,
    MAX(kinerja) AS max_kinerja,
    MAX(booking) AS max_booking,
    MAX(nbot) AS max_nbot
FROM nilai");
$result_max = mysqli_fetch_array($query_max);
$query_min = mysqli_query($koneksi, "SELECT
    MIN(keterlambatan) AS min_keterlambatan,
    MIN(sp) AS min_sp
FROM nilai");
$result_min = mysqli_fetch_array($query_min);
$data = mysqli_query($koneksi, "SELECT * FROM karyawan ORDER BY
id_karyawan");
$no = 1;
while ($a = mysqli_fetch_array($data)) {

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$kode = $a['id_karyawan'];
$query = mysqli_query($koneksi, "SELECT * FROM nilai WHERE id_karyawan
= '$kode'");
$b = mysqli_fetch_array($query);
echo "<tr>";
echo "<td class='text-center'>" . $no++ . "</td>";
echo "<td class='text-center'>" . $a['nama_karyawan'] . "</td>";
echo "<td class='text-center'>" . number_format($b['presensi'] /
$result_max['max_presensi'], 2) . "</td>";
echo "<td class='text-center'>" .
number_format($result_min['min_keterlambatan'] / $b['keterlambatan'], 2) . "</td>";
echo "<td class='text-center'>" . number_format($result_min['min_sp'] / $b['sp'],
2) . "</td>";
echo "<td class='text-center'>" . number_format($b['kinerja'] /
$result_max['max_kinerja'], 2) . "</td>";
echo "<td class='text-center'>" . number_format($b['booking'] /
$result_max['max_booking'], 2) . "</td>";
echo "<td class='text-center'>" . number_format($b['nbot'] /
$result_max['max_nbot'], 2) . "</td>";
echo "</tr>";
}
?>
</tbody>
</table>
</div>

<h4>Normalisasi Bobot</h4>
<div class="table-responsive">
<table class="table table-bordered">
<thead>
<tr>
<th class="text-center">No</th>
<th class="text-center">Nama Karyawan</th>
<th class="text-center">Presensi</th>
<th class="text-center">Keterlambatan</th>
<th class="text-center">SP</th>
<th class="text-center">Kinerja</th>
<th class="text-center">Booking</th>
<th class="text-center">NBOT</th>
</tr>
</thead>
<tbody>
<?php
include 'koneksi.php';
$bobotpresensi = mysqli_fetch_assoc(mysqli_query($koneksi,
"SELECT bobotkrit FROM kriteria WHERE idkrit = '1';"))['bobotkrit'] / 100 ?? 0;
$bobotketerlambatan = mysqli_fetch_assoc(mysqli_query($koneksi,
"SELECT bobotkrit FROM kriteria WHERE idkrit = '2';"))['bobotkrit'] / 100 ?? 0;
$bobotsp = mysqli_fetch_assoc(mysqli_query($koneksi,
"SELECT bobotkrit FROM kriteria WHERE idkrit = '3';"))['bobotkrit'] / 100 ?? 0;
$bobotkinerja = mysqli_fetch_assoc(mysqli_query($koneksi,
"SELECT bobotkrit FROM kriteria WHERE idkrit = '4';"))['bobotkrit'] / 100 ?? 0;
$bobotbooking = mysqli_fetch_assoc(mysqli_query($koneksi,
"SELECT bobotkrit FROM kriteria WHERE idkrit = '5';"))['bobotkrit'] / 100 ?? 0;
$bobotnbot = mysqli_fetch_assoc(mysqli_query($koneksi,
"SELECT bobotkrit FROM kriteria WHERE idkrit = '6';"))['bobotkrit'] / 100 ?? 0;

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$query_max = mysqli_query($koneksi, "SELECT
    MAX(presensi) AS max_presensi,
    MAX(keterlambatan) AS max_keterlambatan,
    MAX(sp) AS max_sp,
    MAX(kinerja) AS max_kinerja,
    MAX(booking) AS max_booking,
    MAX(nbot) AS max_nbot
FROM nilai");
$result_max = mysqli_fetch_array($query_max);
$query_min = mysqli_query($koneksi, "SELECT
    MIN(keterlambatan) AS min_keterlambatan,
    MIN(sp) AS min_sp
FROM nilai");
$result_min = mysqli_fetch_array($query_min);
$data = mysqli_query($koneksi, "SELECT * FROM karyawan ORDER BY id_karyawan");
$no = 1;
while ($a = mysqli_fetch_array($data)) {
    $kode = $a['id_karyawan'];
    $query = mysqli_query($koneksi, "SELECT * FROM nilai WHERE id_karyawan = '$kode'");
    $b = mysqli_fetch_array($query);
    $resultpresensi = number_format($b['presensi'] / $result_max['max_presensi'] * $bobotpresensi, 2);
    $resultketerlambatan = number_format($result_min['min_keterlambatan'] / $b['keterlambatan'] * $bobotketerlambatan, 2);
    $resultsp = number_format($result_min['min_sp'] / $b['sp'] * $bobotsp, 2);
    $resultkinerja = number_format($b['kinerja'] / $result_max['max_kinerja'] * $bobotkinerja, 2);
    $resultbooking = number_format($b['booking'] / $result_max['max_booking'] * $bobotbooking, 2);
    $resultnbot = number_format($b['nbot'] / $result_max['max_nbot'] * $bobotnbot, 2);
    $total = $resultpresensi + $resultketerlambatan + $resultsp + $resultkinerja + $resultbooking + $resultnbot;

    echo "<tr>";
    echo "<td class='text-center'>". $no++ . "</td>";
    echo "<td class='text-center'>". $a['nama_karyawan'] . "</td>";
    echo "<td class='text-center'>". $resultpresensi . "</td>";
    echo "<td class='text-center'>". $resultketerlambatan . "</td>";
    echo "<td class='text-center'>". $resultsp . "</td>";
    echo "<td class='text-center'>". $resultkinerja . "</td>";
    echo "<td class='text-center'>". $resultbooking . "</td>";
    echo "<td class='text-center'>". $resultnbot . "</td>";
    echo "</tr>";

    $update_query = mysqli_query($koneksi, "UPDATE nilai SET hasil_saw = '$total'
WHERE id_karyawan = '$kode'");
}
?>
</tbody>
</table>
</div>

```

Kode Perangkingan Hasil Akhir Metode

```

<div class="panel panel-container">
  <div class="bootstrap-table">

    <h4>Hasil Akhir</h4>
    <div class="table-responsive">
      <table class="table table-bordered">
        <thead>
          <tr>
            <th class="text-center">No</th>
            <th class="text-center">Nama Karyawan</th>
            <th class="text-center">Nilai SAW</th>
          </tr>
        </thead>
        <tbody>

          <?php
            include 'koneksi.php';
            $data = mysqli_query($koneksi, "SELECT * FROM nilai ORDER BY hasil_saw
            DESC");
            $no = 1;
            while ($a = mysqli_fetch_array($data)) {
              $kode = $a['id_karyawan'];
              $query = mysqli_query($koneksi, "SELECT * FROM karyawan WHERE
              id_karyawan = '$kode'");
              $b = mysqli_fetch_array($query);
              echo "<tr>";
              echo "<td class='text-center'>$no</td>";
              echo "<td class='text-center'>" . $b['nama_karyawan'] . "</td>";
              echo "<td class='text-center'>" . $a['hasil_saw'] . "</td>";
              echo "</tr>";
              $no++;
            }
          ?>
        </tbody>
      </table>
      <h5><b>Metode SAW ini sangat berguna untuk membantu pengambilan
      keputusan berbasis data dalam menilai dan memilih karyawan atau tim yang paling
      sesuai dengan kriteria yang diinginkan. Dalam kasus ini, SAW bisa digunakan untuk
      menggabungkan faktor-faktor seperti presensi, keterlambatan, surat peringatan, dan
      kinerja marketing untuk memilih karyawan yang memberikan kontribusi terbaik kepada
      perusahaan.</b></h5>
    </div>
  </div>
</div>

```

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