

DAFTAR ISI

| | |
|--|------|
| HALAMAN JUDUL | i |
| LEMBAR PERSETUJUAN DOSEN PEMBIMBING | ii |
| LEMBAR PERSETUJUAN DOSEN PENGUJI | iii |
| LEMBAR PENGESAHAN DAN PERSETUJUAN | iv |
| PERNYATAAN KEASLIAN KARYA ILMIAH | v |
| KATA PENGANTAR | vi |
| DAFTAR ISI | viii |
| DAFTAR TABEL | x |
| DAFTAR GAMBAR | xi |
| DAFTAR SEGMENT | xii |
| ABSTRAK | xiii |
| ABSTRACT | xiv |
| BAB I PENDAHULUAN | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Rumusan Masalah | 2 |
| 1.3 Batasan Masalah | 2 |
| 1.4 Tujuan..... | 3 |
| 1.5 Manfaat Penelitian..... | 3 |
| 1.6 Sistematika Penulisan..... | 3 |
| BAB II TINJAUAN PUSTAKA | 5 |
| 2.1 Studi Literatur..... | 5 |
| 2.2 <i>Novelty</i> | 11 |
| 2.3 Tinjauan Teori | 13 |
| 2.3.1 Penilaian Karyawan Terbaik | 13 |
| 2.3.2 Karyawan..... | 14 |
| 2.3.3 Sistem Pendukung Keputusan | 14 |
| 2.3.4 <i>Weighted Product</i> (WP)..... | 15 |
| 2.3.5 PHP | 18 |
| 2.3.6 MySQL | 18 |
| 2.3.7 UML (<i>Unified Modelling Language</i>)..... | 19 |
| BAB III METODOLOGI DAN PERANCANGAN SISTEM | 21 |

| | | |
|---|---|-----------|
| 3.1 | Kebutuhan Fungsional..... | 21 |
| 3.2 | Perancangan Sistem..... | 21 |
| 3.2.1 | Desain Sistem | 21 |
| 3.3 | Perancangan <i>Interface</i> | 27 |
| 3.3.1 | Desain <i>Interface</i> Menu <i>Login</i> | 27 |
| 3.3.2 | Desain <i>Interface</i> <i>Dashboard Home</i> | 27 |
| 3.3.3 | Desain <i>Interface</i> Menu Alternatif..... | 28 |
| 3.3.4 | Desain <i>Interface</i> Menu Kriteria | 28 |
| 3.3.5 | Desain <i>Interface</i> Menu Pembobotan | 29 |
| 3.3.6 | Desain <i>Interface</i> Hasil Perhitungan..... | 29 |
| 3.4 | Penghitungan Manual Metode WP..... | 30 |
| BAB IV IMPLEMENTASI | | 33 |
| 4.1 | Implementasi | 33 |
| 4.1.1 | Halaman <i>Login</i> | 33 |
| 4.1.2 | Halaman <i>Home</i> | 34 |
| 4.1.3 | Menu Alternatif..... | 35 |
| 4.1.4 | Halaman Menu Kriteria | 37 |
| 4.1.5 | Halaman Menu Pembobotan..... | 39 |
| 4.1.7 | Halaman Menu Perhitungan | 41 |
| BAB V HASIL DAN PEMBAHASAN | | 48 |
| 5.1 | Hasil Uji Coba..... | 48 |
| 5.1.1 | Black Box Testing | 48 |
| 5.1.2 | White Box Testing..... | 50 |
| 5.2 | Pembahasan | 52 |
| 5.2.1 | Pembahasan Fitur Utama..... | 52 |
| 5.2.2 | Pembahasan Hasil Perhitungan Manual Metode WP | 53 |
| BAB VI PENUTUP | | 57 |
| 6.1 | Kesimpulan..... | 57 |
| 6.2 | Saran | 57 |
| DAFTAR PUSTAKA | | 58 |
| LAMPIRAN | | |

DAFTAR TABEL

| | |
|---|----|
| Tabel 2. 1 Indikator Setiap Guru..... | 8 |
| Tabel 2. 2 Hasil Perangkingan Nilai V | 10 |
| Tabel 2. 3 <i>Novelty</i> | 11 |
| Tabel 2. 4 kriteria dan penilaiannya..... | 15 |
| Tabel 2. 5 <i>Use Case Diagram</i> | 19 |
| Tabel 2. 6 <i>Activity Diagram</i> | 20 |
| Tabel 2. 7 <i>Class Diagram</i> | 20 |
| Tabel 3. 1 Kriteria Pembobotan | 21 |
| Tabel 3. 2 Penghitungan Manual WP | 31 |
| Tabel 5.1 Uji Coba <i>Login</i> | 49 |
| Tabel 5.2 Uji Coba Menu Alternatif | 49 |
| Tabel 5.3 Uji Coba Menu Kriteria | 49 |
| Tabel 5.4 Uji Coba Menu Pembobotan..... | 50 |
| Tabel 5.5 Uji Coba Menu Hasil Perhitungan..... | 50 |
| Tabel 5. 6 <i>White Box Testing</i> | 51 |
| Tabel 5. 7 Data Karyawan..... | 53 |
| Tabel 5. 8 Kriteria dan Bobot..... | 54 |
| Tabel 5. 9 Inputan Nilai Karyawan | 54 |
| Tabel 5. 10 Hasil Perhitungan <i>Vector S</i> dan <i>Vector V</i> | 56 |

DAFTAR GAMBAR

| | |
|---|----|
| Gambar 3. 1 <i>Flowchart</i> | 22 |
| Gambar 3. 2 <i>Use case diagram</i> Spk untuk menentukan karyawan..... | 23 |
| Gambar 3. 3 <i>Activity Diagram</i> Login Sistem untuk menentukan karyawan..... | 24 |
| Gambar 3. 4 <i>Activity Diagram</i> Data Karyawan Terbaik..... | 24 |
| Gambar 3. 5 <i>Activity Diagram</i> Penilaian Karyawan Terbaik | 25 |
| Gambar 3. 6 <i>Squence Diagram</i> Login..... | 25 |
| Gambar 3. 7 <i>Squence diagram</i> tambah data karyawan | 25 |
| Gambar 3. 8 <i>Squence diagram</i> perhitungan | 26 |
| Gambar 3. 9 <i>Class Diagram</i> Sistem pendukung keputusan menentukan karyawan | 27 |
| Gambar 3. 10 <i>Desain Interface</i> Menu Login | 27 |
| Gambar 3. 11 <i>Desain Interface</i> Dashboard Admin..... | 28 |
| Gambar 3. 12 <i>Desain Interface</i> Menu Bobot & Kriteria..... | 28 |
| Gambar 3. 13 <i>Desain Interface</i> Menu Penilaian..... | 29 |
| Gambar 3. 14 <i>Desain Interface</i> Menu Bobot & Kriteria | 29 |
| Gambar 3. 15 <i>Desain Interface</i> Hasil Perhitungan | 30 |
| Gambar 4. 1 Halaman <i>Login</i> | 33 |
| Gambar 4. 2 Halaman <i>Home</i> | 35 |
| Gambar 4. 3 Menu Alternatif..... | 36 |
| Gambar 4. 4 Halaman Menu Kriteria..... | 37 |
| Gambar 4. 5 Halaman Menu Penilaian | 39 |
| Gambar 4. 6 Menu Perhitungan | 41 |
| Gambar 4. 7 Menu Hasil Perhitungan..... | 46 |

DAFTAR SEGMENT

| | |
|--|----|
| Segment 4. 1 Halaman <i>Login</i> | 33 |
| Segment 4. 2 Halaman <i>Home</i> | 35 |
| Segment 4. 3 Menu Alternatif..... | 36 |
| Segment 4. 4 Halaman Menu Kriteria..... | 38 |
| Segment 4. 5 Halaman Menu Penilaian | 40 |
| Segment 4. 6 Perhitungan WP mencari nilai W | 42 |
| Segment 4. 7 Perhitungan WP mencari nilai S | 43 |
| Segment 4. 8 Perhitungan WP mencari nilai V..... | 45 |
| Segment 4. 9 Perhitungan WP Hasil Perhitungan..... | 46 |