

## DAFTAR ISI

|  |             |
|--|-------------|
| <b>HALAMAN SAMPUL</b> .....                                | <b>i</b>    |
| <b>HALAMAN LEMBAR PERSETUJUAN DOSEN PEMBIMBING</b> .....   | <b>ii</b>   |
| <b>HALAMAN LEMBAR PERSETUJUAN DOSEN PENGUJI</b> .....      | <b>iii</b>  |
| <b>HALAMAN LEMBAR PENGESAHAN DAN PERSETUJUAN</b> .....     | <b>iv</b>   |
| <b>HALAMAN PERNYATAAN KEASLIAN KARYA ASLI ILMIAH</b> ..... | <b>v</b>    |
| <b>HALAMAN MOTTO DAN PERSEMBAHAN</b> .....                 | <b>vi</b>   |
| <b>HALAMAN KATA PENGANTAR</b> .....                        | <b>vii</b>  |
| <b>DAFTAR ISI</b> .....                                    | <b>viii</b> |
| <b>DAFTAR TABEL</b> .....                                  | <b>xii</b>  |
| <b>DAFTAR GAMBAR</b> .....                                 | <b>xiii</b> |
| <b>SEGMENT PROGRAM</b> .....                               | <b>xiv</b>  |
| <b>RINGKASAN</b> .....                                     | <b>xv</b>   |
| <b>ABSTRACT</b> .....                                      | <b>xvi</b>  |
| <b>BAB I PENDAHULUAN</b> .....                             | <b>1</b>    |
| 1.1 Latar Belakang .....                                   | 1           |
| 1.2 Rumusan Masalah .....                                  | 4           |
| 1.3 Batasan Masalah .....                                  | 4           |
| 1.4 Tujuan Penelitian .....                                | 5           |
| 1.5 Manfaat Penelitian .....                               | 5           |
| 1.6 Metodologi Penelitian .....                            | 5           |
| 1.6.1 Metode Penelitian .....                              | 5           |
| 1.6.2 Prosedur Penelitian .....                            | 8           |
| 1.7 Sistematika Penulisan .....                            | 10          |
| <b>BAB II TINJAUAN PUSTAKA</b> .....                       | <b>13</b>   |
| 2.1 Studi Literatur .....                                  | 13          |
| 2.2 Penelitian Terdahulu .....                             | 16          |
| 2.3 Tinjauan Teori .....                                   | 20          |
| 2.3.1 Sistem Pendukung Keputusan .....                     | 21          |
| 2.3.2 Guru Terbaik .....                                   | 22          |
| 2.3.3 Web .....  | 23          |
| 2.3.4 PHP dan HTML .....                                   | 24          |

|   |           |
|---|-----------|
| 2.3.5 Flowchart dan DFD.....                        | 25        |
| 2.3.6 Penilaian Kinerja Guru .....                  | 26        |
| 2.3.7 Metode <i>Naïve Bayes</i> .....               | 28        |
| <b>BAB III ANALISIS DAN PERANCANGAN SISTEM.....</b> | <b>29</b> |
| 3.1 Kebutuhan Fungsional .....                      | 29        |
| 3.2 Kebutuhan Non Fungsional .....                  | 29        |
| 3.2.1 Kebutuhan Perangkat Keras.....                | 29        |
| 3.2.2 Kebutuhan Perangkat Lunak.....                | 29        |
| 3.3 Perancangan Proses.....                         | 30        |
| 3.3.1 Flowchart .....                               | 30        |
| 3.3.2 Diagram Konteks .....                         | 31        |
| 3.3.3 Data Flow Diagram.....                        | 32        |
| 3.3.4 Perancangan Basis Data .....                  | 33        |
| 3.4 Dataset .....                                   | 33        |
| 3.4.1 Kriteria .....                                | 34        |
| 3.4.1.1 Pedagogik (C1) .....                        | 34        |
| 3.4.1.2 Kepribadian (C2).....                       | 34        |
| 3.4.1.3 Sosial (C3).....                            | 35        |
| 3.4.1.4 Profesional (C4).....                       | 35        |
| 3.4.2 Data Training .....                           | 36        |
| 3.5 Desain Interface .....                          | 46        |
| 3.5.1 Halaman Awal .....                            | 46        |
| 3.5.2 Halaman Login .....                           | 46        |
| <b>BAB IV IMPLEMENTASI .....</b>                    | <b>47</b> |
| 4.1 Implementasi Antarmuka .....                    | 47        |
| 4.1.1 Halaman Login Admin .....                     | 47        |
| 4.1.2 Halaman Utama .....                           | 49        |
| 4.1.3 Halaman Data Admin .....                      | 50        |
| 4.1.4 Halaman Data Guru .....                       | 52        |
| 4.1.5 Halaman Data Kriteria .....                   | 53        |
| 4.1.6 Halaman Data Training.....                    | 55        |
| 4.1.7 Halaman Hasil <i>Naïve Bayes</i> .....        | 56        |

|   |           |
|---|-----------|
| <b>BAB V HASIL DAN PEMBAHASAN .....</b> | <b>58</b> |
| 5.1 Data Uji Coba .....                 | 58        |
| 5.2 Pembahasan .....                    | 68        |
| 5.2.1 Uji Coba Program .....            | 68        |
| 5.2.2 Proses Perhitungan Manual.....    | 70        |
| 5.2.2.1 N1 .....                        | 70        |
| 5.2.2.2 N2 .....                        | 71        |
| 5.2.2.3 N3 .....                        | 72        |
| 5.2.2.4 N4 .....                        | 72        |
| 5.2.2.5 N5 .....                        | 73        |
| 5.2.2.6 N6 .....                        | 74        |
| 5.2.2.7 N7 .....                        | 75        |
| 5.2.2.8 N8 .....                        | 76        |
| 5.2.2.9 N9 .....                        | 77        |
| 5.2.2.10 N10 .....                      | 78        |
| 5.2.2.11 N11 .....                      | 79        |
| 5.2.2.12 N12 .....                      | 80        |
| 5.2.2.13 N13 .....                      | 81        |
| 5.2.2.14 N14 .....                      | 82        |
| 5.2.2.15 N15 .....                      | 83        |
| 5.2.2.16 N16 .....                      | 84        |
| 5.2.2.17 N17 .....                      | 84        |
| 5.2.2.18 N18 .....                      | 85        |
| 5.2.2.19 N19 .....                      | 86        |
| 5.2.2.20 N20 .....                      | 87        |
| 5.2.2.21 N21 .....                      | 88        |
| 5.2.2.22 N22 .....                      | 89        |
| 5.2.2.23 N23 .....                      | 90        |
| 5.2.2.24 N24 .....                      | 91        |
| 5.2.2.25 N25 .....                      | 91        |
| 5.2.2.26 N26 .....                      | 92        |
| 5.2.2.27 N27 .....                      | 93        |

|  |            |
|--|------------|
| 5.2.2.28 N28 .....                       | 94         |
| 5.2.2.29 N29 .....                       | 95         |
| 5.2.2.30 N30 .....                       | 96         |
| 5.2.2.31 N31 .....                       | 97         |
| 5.2.2.32 N32 .....                       | 98         |
| 5.2.2.33 N33 .....                       | 99         |
| 5.2.2.34 N34 .....                       | 100        |
| 5.2.2.35 N35 .....                       | 101        |
| 5.2.2.36 N36 .....                       | 102        |
| 5.2.2.37 N37 .....                       | 103        |
| 5.2.2.38 N38 .....                       | 104        |
| 5.2.2.39 N39 .....                       | 105        |
| 5.2.2.40 N40 .....                       | 106        |
| 5.2.2.41 N41 .....                       | 107        |
| 5.2.2.42 N42 .....                       | 108        |
| 5.2.2.43 N43 .....                       | 109        |
| 5.2.2.44 N44 .....                       | 110        |
| 5.2.2.45 N45 .....                       | 111        |
| 5.2.2.46 N46 .....                       | 112        |
| 5.2.2.47 N47 .....                       | 113        |
| 5.2.2.48 N48 .....                       | 114        |
| 5.2.2.49 N49 .....                       | 115        |
| 5.2.2.50 N50 .....                       | 116        |
| <b>BAB VI KESIMPULAN DAN SARAN .....</b> | <b>118</b> |
| 6.1 Kesimpulan .....                     | 118        |
| 6.2 Saran .....                          | 119        |
| <b>DAFTAR PUSTAKA .....</b>              | <b>120</b> |
| <b>LAMPIRAN</b>                          |            |

## **DAFTAR TABEL**

|  |    |
|--|----|
| Tabel 2.1 Jurnal Penelitian Terdahulu .....    | 17 |
| Tabel 3.1 Dataset SPK Guru Terbaik.....        | 33 |
| Tabel 3.2 Kriteria Penilaian Pedagogik .....   | 34 |
| Tabel 3.3 Kriteria Penilaian Kepribadian ..... | 34 |
| Tabel 3.4 Kriteria Penilaian Sosial .....      | 35 |
| Tabel 3.5 Kriteria Penilaian Profesional ..... | 35 |
| Tabel 3.6 Data Training .....                  | 36 |
| Tabel 3.7 Data Mean .....                      | 43 |
| Tabel 3.8 Data Deviasi.....                    | 43 |
| Tabel 3.9 Contoh Data Testing .....            | 44 |
| Tabel 3.10 Data Testing .....                  | 45 |
| Tabel 5.1 Hasil Data Uji .....                 | 58 |
| Tabel 5.2 Uji Coba Program .....               | 68 |

## DAFTAR GAMBAR

|   |    |
|---|----|
| Gambar 1.1 Pengembangan Sistem .....                          | 7  |
| Gambar 3.1 Flowchart .....                                    | 30 |
| Gambar 3.2 Diagram Konteks SPK Guru Terbaik .....             | 31 |
| Gambar 3.3 DFD SPK Guru Terbaik .....                         | 32 |
| Gambar 3.4 Data Sistem .....                                  | 33 |
| Gambar 3.5 Halaman Awal .....                                 | 46 |
| Gambar 3.6 Halaman Login .....                                | 46 |
| Gambar 4.1 Halaman Login Admin .....                          | 47 |
| Gambar 4.2 Tampilan Halaman Utama .....                       | 49 |
| Gambar 4.3 Tampilan Halaman Data Admin .....                  | 50 |
| Gambar 4.4 Tampilan Halaman Data Guru .....                   | 52 |
| Gambar 4.5 Tampilan Halaman Kriteria.....                     | 53 |
| Gambar 4.6 Tampilan Halaman Data Training.....                | 55 |
| Gambar 4.7 Halaman Hasil Perhitungan <i>Naïve Bayes</i> ..... | 56 |

## SEGMENT PROGRAM

|   |    |
|---|----|
| Segment 4.1 <i>Script</i> Login Admin.....                  | 48 |
| Segment 4.2 <i>Script</i> Halaman Utama .....               | 50 |
| Segment 4.3 <i>Source Code</i> Data Admin.....              | 51 |
| Segment 4.4 <i>Script</i> Model Halaman Data Guru .....     | 52 |
| Segment 4.5 <i>Script</i> Model Halaman Kriteria.....       | 54 |
| Segment 4.6 <i>Script</i> Training <i>Naïve Bayes</i> ..... | 55 |
| Segment 4.7 <i>Source Code</i> Hasil Perhitungan .....      | 56 |