ABSTRACT

As time goes by and the rapid growth era of globalization, the development of science and knowledge is growing rapidly either. A growing company in the field of pharmaceuticals, namely PT. Bina San Prima require technological advances to overcome problems in the training department. The department is conducting training to all new employees and employees who received the new promoted. Training department has specific rules in each training. First, materials, questions and answers are divided into 2 kinds of soft skills and hard skills. For the soft skills every employee who has an position could not get the material, answer questions and filling in a different position. For the hard skills of each employee who has an position and the department could not get the material, answer questions and filling in the position and different departments. Second, taking the material and questions the employees have a certain time and can not be taken at any time. So to overcome the problems existing in the PT. Bina San Prima such, was made an application to apply and modify the training process more organized, structured and automated a computerized. Computerized training is very important because in addition to the user ease in doing the training, each data can be stored in a structured which allows the user if they want to take the previous training data with efficiently. Monthly report on this application is useful for the future development of the training process because it has information on graduation and failure percentage of each employee. So the development of the company's human resource quality can be ascertained from any training that has been done. There are 2 types of users in this application is admin and employees. The features that can be carried out this application for admin are: scheduling, training, creating materials, uploading materials, making exam, upload pictures, assessment the answer and see the monthly reports that are automated. And features who can do for employee is: download the material, see the value of training and answer the questions.

Keyword: training, soft skill, hard skill, admin
ABSTRAKSI


Kata kunci : training, soft skill, hard skill, admin
DAFTAR ISI

LEMBAR PENGESAHAN ........................................................................................................... i  
KATA PENGANTAR .................................................................................................................. ii  
PERNYATAAN PUBLIKASI LAPORAN PENELITIAN ........................................................ iv  
PERNYATAAN ORISINALITAS LAPORAN ........................................................................... v  
ABSTRACT .............................................................................................................................. vi  
ABSTRAKSI .......................................................................................................................... vii  
DAFTAR ISI ........................................................................................................................... viii 
DAFTAR GAMBAR ................................................................................................................. xvi  
DAFTAR TABEL ....................................................................................................................... xxii  
DAFTAR LAMPIRAN ................................................................................................................ xxix  
BAB 1  PENDAHULUAN ........................................................................................................ 1  
1.1 Latar Belakang ................................................................................................................... 1  
1.2 Rumusan Masalah ............................................................................................................. 1  
1.3 Tujuan ................................................................................................................................ 2  
1.4 Batasan Masalah ............................................................................................................... 3  
1.5 Sistematika Pembahasan .................................................................................................... 4  
1.6 Time Schedule .................................................................................................................. 5  
BAB 2  DASAR TEORI .............................................................................................................. 6  
2.1 Konsep Dasar Sistem ......................................................................................................... 6  
2.2 Konsep Dasar Informasi ..................................................................................................... 8  
2.3 Konsep Dasar Sistem Informasi ........................................................................................ 9  
2.4 Analisis Sistem .................................................................................................................. 10  
2.5 ERD (Entity Relationship Diagram) ................................................................................. 11  
2.6 DFD (Data Flow Diagram) ................................................................................................ 15  
2.7 Kamus Data (Data Dictionary) ........................................................................................ 16  
2.8 PSPEC (Process Specification) ........................................................................................ 17  
2.9 PHP (PHP Hypertext Preprocessor) ................................................................................. 17  
2.10 MySQL ............................................................................................................................ 19  
2.11 Use Case Diagram ......................................................................................................... 20
3.4.1 Relational Diagram ................................................................. 52
3.4.2 Tabel User ................................................................. 52
3.4.3 Tabel Jabatan ................................................................. 53
3.4.4 Tabel Department ............................................................ 53
3.4.5 Tabel Materi SoftSkill ...................................................... 54
3.4.6 Tabel Materi Hard Skill ...................................................... 54
3.4.7 Tabel Soal SoftSkill .......................................................... 55
3.4.8 Tabel Soal Hard Skill ........................................................ 56
3.4.9 Tabel Jawaban SoftSkill ..................................................... 56
3.4.10 Tabel Jawaban Hard Skill ............................................... 57
3.4.11 Tabel Nama Training ........................................................ 57
3.4.12 Tabel Temp User .............................................................. 57
3.4.13 Tabel T_Nilai ................................................................. 58
3.4.14 Tabel Nilai ................................................................. 59
3.5 Kamus Data ................................................................. 59
3.6 Process Specification (PSPEC) .................................................. 76
3.7 Web Map dan Layout .......................................................... 93
3.7.1 Site Map 1 ................................................................. 93
3.7.2 Site Map 2 ................................................................. 94
3.7.3 Site Map 3 ................................................................. 96
3.8 Desain Antar Muka .............................................................. 97
3.8.1 Desain antar muka untuk karyawan .................................... 98
3.8.1.1 Halaman Awal .......................................................... 98
3.8.1.2 Halaman Registrasi ...................................................... 99
3.8.1.3 Halaman Login ......................................................... 100
3.8.1.4 Halaman Utama Karyawan ........................................... 101
3.8.1.5 Halaman Menu Lihat Profil .......................................... 102
3.8.1.6 Halaman Menu Materi Soft Skill Karyawan ....................... 103
3.8.1.7 Halaman Menu Materi Hard Skill Karyawan ..................... 104
3.8.1.8 Halaman Tambah Jawaban Soft Skill ............................... 105
### 3.8.1.9 Halaman Tambah Jawaban *Hard Skill*

107

### 3.8.2 Desain antar muka untuk *Admin*

108

#### 3.8.2.1 Halaman Awal

108

#### 3.8.2.2 Halaman *Login*

109

#### 3.8.2.2 Halaman Utama *Admin*

110

#### 3.8.2.3 Halaman Menu Rubah *Profil*

111

#### 3.8.2.4 Halaman Lihat Profil Karyawan

112

#### 3.8.2.5 Halaman Pengaturan Profil Karyawan

113

#### 3.8.2.6 Halaman Lihat Nama Training

114

#### 3.8.2.7 Halaman Detail Nama *Training*

115

#### 3.8.2.8 Halaman Rubah Nama *Training*

116

#### 3.8.2.9 Halaman Hapus Nama Training

117

#### 3.8.2.10 Halaman Tambah Nama *Training*

118

#### 3.8.2.11 Halaman Menu Materi *Soft Skill*

119

#### 3.8.2.12 Halaman *Detail Materi Soft Skill*

120

#### 3.8.2.13 Halaman Rubah Materi *Soft Skill*

120

#### 3.8.2.14 Halaman Hapus Materi *Soft Skill*

121

#### 3.8.2.15 Halaman Tambah Materi *Soft Skill*

122

#### 3.8.2.16 Halaman Menu Materi *Hard Skill*

123

#### 3.8.2.17 Halaman *Detail Materi Hard Skill*

124

#### 3.8.2.18 Halaman Rubah Materi *Hard Skill*

124

#### 3.8.2.19 Halaman Hapus Materi *Hard Skill*

125

#### 3.8.2.20 Halaman Tambah Materi *Hard Skill*

126

#### 3.8.2.21 Halaman Pengaturan Materi

127

#### 3.8.2.22 Halaman Menu Soal *Soft Skill*

128

#### 3.8.2.23 Halaman *Detail Soal Soft Skill*

129

#### 3.8.2.24 Halaman Rubah Soal *Soft Skill*

130

#### 3.8.2.25 Halaman Hapus Soal *Soft Skill*

131

#### 3.8.2.26 Halaman Tambah Soal *Soft Skill*

132

#### 3.8.2.27 Halaman Menu Soal *Hard Skill*

133
4.2.9 Halaman Tambah Nama Training ............................................... 155
4.2.10 Halaman Lihat Materi Soft Skill ........................................... 156
4.2.11 Halaman Detail Materi Soft Skill ........................................ 156
4.2.12 Halaman Merubah Materi Soft Skill .................................. 156
4.2.13 Halaman Hapus Materi Soft Skill ..................................... 157
4.2.14 Halaman Tambah Materi Soft Skill ................................... 157
4.2.15 Halaman Lihat Materi Hard Skill .................................... 158
4.2.16 Halaman Detail Materi Hard Skill .................................. 158
4.2.17 Halaman Merubah Materi Hard Skill ................................ 159
4.2.18 Halaman Hapus Materi Hard Skill ................................... 159
4.2.19 Halaman Tambah Materi Hard Skill .................................. 160
4.2.20 Halaman Pengaturan Materi ........................................... 160
4.2.21 Halaman Lihat Soal Soft Skill .......................................... 161
4.2.22 Halaman Detail Soal Soft Skill ....................................... 161
4.2.23 Halaman Merubah Soal Soft Skill ................................... 162
4.2.24 Halaman Hapus Soal Soft Skill ....................................... 163
4.2.25 Halaman Tambah Soal Soft Skill ...................................... 163
4.2.26 Halaman Lihat Soal Hard Skill ....................................... 165
4.2.27 Halaman Detail Soal Hard Skill ..................................... 165
4.2.28 Halaman Merubah Soal Hard Skill .................................. 165
4.2.29 Halaman Hapus Soal Hard Skill ..................................... 167
4.2.30 Halaman Tambah Soal Hard Skill ..................................... 167
4.2.31 Halaman Menu Jawaban Soft Skill ................................ 168
4.2.32 Halaman Menu Jawaban Hard Skill ................................ 168
4.2.33 Halaman Laporan ......................................................... 169
4.2.34 Halaman Laporan Detail Admin ..................................... 169
4.2.35 Halaman Laporan Detail Manager .................................. 169
BAB 5 PENGUJIAN ....................................................................... 171
5.2 Test Case ................................................................................. 171
5.3 Uji Fungsionalitas Komponen Perangkat Lunak ......................... 173
5.4 Metodologi Penelitian ................................................................. 176
  5.4.1 Black Box ............................................................................. 176
  5.4.2 Survei Dengan Target Sistem .............................................. 189
  5.3.2.1 Kuisioner Karyawan ......................................................... 189
  5.3.2.2 Kuisioner Admin .............................................................. 190
  5.4.3 Analisa Sistem ..................................................................... 192
  5.3.3.1 Karyawan ................................................................. 192
  5.3.3.2 Admin ............................................................................ 196
  5.4 Pengujian Error Handling Karyawan................................. 200
  5.4.1 Registrasi Gagal ................................................................. 200
  5.4.2 Registrasi Berhasil .............................................................. 202
  5.4.3 Login Gagal ........................................................................ 203
  5.4.4 Login Berhasil ................................................................. 204
  5.4.5 Rubah Profil Gagal ............................................................. 204
  5.4.6 Rubah Profil Berhasil .......................................................... 206
  5.4.7 Lihat Materi Soft Skill Gagal ............................................... 207
  5.4.8 Lihat Materi Soft Skill Berhasil ............................................ 207
  5.4.9 Lihat Materi Hard Skill Gagal .............................................. 208
  5.4.10 Lihat Materi Hard Skill Berhasil ......................................... 208
  5.4.11 Lihat Soal Soft Skill Gagal ................................................... 208
  5.4.12 Lihat Soal Soft Skill Berhasil ............................................... 209
  5.4.13 Lihat Soal Hard Skill Gagal .................................................. 211
  5.4.14 Lihat Soal Hard Skill Berhasil .............................................. 211
  5.5 Pengujian Error Handling Untuk Admin ............................... 212
    5.5.1 Login Gagal ................................................................. 212
    5.5.2 Login Berhasil ............................................................... 213
    5.5.3 Rubah Profil Gagal .......................................................... 214
    5.5.4 Rubah Profil Berhasil ....................................................... 215
    5.5.5 Tambah Training Gagal ..................................................... 216
    5.5.6 Rubah Nama Training Gagal ............................................ 219
5.5.7 Hapus Nama Training Berhasil .................................................. 220
5.5.8 Unduh Materi Soft Skill Berhasil ............................................. 221
5.5.9 Unggah Materi Soft Skill Gagal ................................................ 221
5.5.10 Hapus Materi Soft Skill Berhasil ........................................... 222
5.5.11 Unduh Materi Hard Skill Berhasil ........................................... 222
5.5.12 Unggah Materi Hard Skill Gagal ........................................... 223
5.5.13 Hapus Materi Hard Skill Berhasil .......................................... 223
5.5.14 Unggah Gambar Soal Soft Skill Gagal ..................................... 224
5.5.15 Hapus Soal Soft Skill Berhasil ................................................ 225
5.5.16 Unggah Gambar Soal Hard Skill Gagal .................................... 226
5.5.17 Hapus Soal Hard Skill Berhasil ............................................. 226

BAB 6 KESIMPULAN DAN SARAN ................................................. xvi
  6.1 Kesimpulan ............................................................................... xvi
  6.2 Saran ....................................................................................... xvi

DAFTAR PUSTAKA ...................................................................... xvii
DAFTAR GAMBAR

Gambar 1 Komponen Sistem ........................................................................................................ 10
Gambar 2 Tipe Kardinalitas Relasi ............................................................................................ 15
Gambar 3 Tipe Kardinalitas Relasi ............................................................................................ 15
Gambar 4 Contoh embedded scripting pada PHP .................................................................... 18
Gambar 5 Cabang BSP di Indonesia ............................................................................................. 22
Gambar 6 Flow Chart .................................................................................................................. 26
Gambar 7 Context Diagram ....................................................................................................... 26
Gambar 8 DFD Level 1 ................................................................................................................. 27
Gambar 9 DFD Level 2 Proses 1 ................................................................................................. 30
Gambar 10 DFD Level 2 Proses 2 ................................................................................................. 33
Gambar 11 DFD Level 3 Proses 2.1 ............................................................................................. 36
Gambar 12 DFD Level 3 Proses 2.2 ............................................................................................. 37
Gambar 13 DFD Level 3 Proses 2.3 ............................................................................................. 38
Gambar 14 DFD Level 3 Proses 2.5 ............................................................................................. 39
Gambar 15 DFD Level 3 Proses 2.6 ............................................................................................. 39
Gambar 16 DFD Level 3 Proses 2.6 ............................................................................................. 40
Gambar 17 DFD Level 3 Proses 2.7 ............................................................................................. 40
Gambar 18 DFD Level 3 Proses 2.8 ............................................................................................. 41
Gambar 19 DFD Level 4 Proses 3.2.1 .......................................................................................... 41
Gambar 20 DFD Level 4 Proses 3.2.1 .......................................................................................... 42
Gambar 21 DFD Level 4 Proses 3.2.1 .......................................................................................... 43
Gambar 22 DFD Level 4 Proses 2.2.2 .......................................................................................... 44
Gambar 23 DFD Level 4 Proses 2.3.1 .......................................................................................... 45
Gambar 24 DFD Level 4 Proses 2.3.2 .......................................................................................... 46
Gambar 25 DFD Level 4 Proses 2.4.1 .......................................................................................... 47
Gambar 26 DFD Level 4 Proses 2.5.1 .......................................................................................... 48
Gambar 27 DFD Level 4 Proses 2.6.1 .......................................................................................... 49
Gambar 87 Halaman Lembar Soal Hard Skill ........................................................ 150
Gambar 88 Halaman Login .................................................................................... 151
Gambar 89 Halaman Utama .................................................................................... 151
Gambar 90 Halaman Merubah Profil Admin .......................................................... 152
Gambar 92 Halaman Rubah Password .................................................................. 152
Gambar 91 Halaman Pengaturan Profil Karyawan .............................................. 153
Gambar 92 Halaman Lihat Pelatihan .................................................................... 153
Gambar 93 Halaman Lihat Detail Nama Training .................................................. 154
Gambar 94 Halaman Merubah Nama Training ...................................................... 155
Gambar 95 Halaman Tambah Nama Training ........................................................ 155
Gambar 96 Halaman Lihat Materi Soft Skill ......................................................... 156
Gambar 97 Halaman Detail Materi Soft Skill ......................................................... 156
Gambar 98 Halaman Merubah Materi Soft Skill ................................................... 157
Gambar 99 Halaman Hapus Materi Soft Skill ....................................................... 157
Gambar 100 Halaman Tambah Materi Soft Skill ................................................... 158
Gambar 101 Halaman View Materi Hard Skill ....................................................... 158
Gambar 102 Halaman Detail Materi Hard Skill ...................................................... 159
Gambar 103 Halaman Merubah Materi Hard Skill ................................................ 159
Gambar 104 Halaman Hapus Materi Hard Skill ..................................................... 160
Gambar 105 Halaman Tambah Materi Hard Skill .................................................. 160
Gambar 106 Halaman Pengaturan Materi ............................................................ 161
Gambar 107 Halaman Lihat Soal Soft Skill ........................................................... 161
Gambar 108 Halaman Detail Soal Soft Skill .......................................................... 162
Gambar 109 Halaman Merubah Soal Soft Skill ...................................................... 162
Gambar 110 Halaman Hapus Soal Soft Skill ........................................................ 163
Gambar 111 Halaman Tambah Soal Soft Skill ....................................................... 164
Gambar 112 Halaman Lihat Soal Hard Skill .......................................................... 165
Gambar 113 Halaman Detail Soal Hard Skill ........................................................ 165
Gambar 114 Halaman Merubah Soal Hard Skill .................................................... 166
Gambar 115 Halaman Hapus Soal Hard Skill ........................................................ 167
Gambar 148 Gagal Rubah Profil 1 ................................................................. 214
Gambar 149 Gagal Rubah Profil 2 ................................................................. 214
Gambar 150 Gagal Rubah Profil 3 ................................................................. 215
Gambar 149 Berhasil Edit Profil ................................................................. 216
Gambar 150 Gagal Tambah Training 1 .......................................................... 217
Gambar 151 Gagal Tambah Training 2 .......................................................... 218
Gambar 152 Gagal Tambah Training 3 .......................................................... 219
Gambar 153 Gagal Rubah Nama Training .................................................. 220
Gambar 154 Berhasil Hapus Nama Training ................................................. 221
Gambar 155 Berhasil Unduh Materi Soft Skill .......................................... 221
Gambar 156 Gagal Unggah Materi Soft Skill ............................................. 222
Gambar 157 Berhasil Hapus Materi Soft Skill .......................................... 222
Gambar 158 Berhasil Unduh Materi Soft Skill .......................................... 223
Gambar 159 Gagal Unggah Materi Soft Skill .......................................... 223
Gambar 160 Berhasil Hapus Materi Hard Skill ........................................ 224
Gambar 161 Gagal Unggah Gambar Soal Soft Skill ..................................... 225
Gambar 162 Berhasil Hapus Soal Soft Skill ................................................. 225
Gambar 163 Gagal Unggah Gambar Soal Hard Skill .................................... 226
Gambar 164 Berhasil Hapus Soal Hard Skill ................................................. 227
## DAFTAR TABEL

- Tabel 1 Time Schedule .................................................................................................................. 5
- Tabel 2 Komponen Diagram ER .................................................................................................... 12
- Tabel 3 Komponen DFD ................................................................................................................ 16
- Tabel 4 Simbol-simbol Kamus Data .............................................................................................. 17
- Tabel 5 Simbol-simbol PSPEC ........................................................................................................ 17
- Tabel 6 Notasi Flow Chart ............................................................................................................ 21
- Tabel 7 Data Penghargaan ............................................................................................................. 23
- Tabel 8 Tabel User .......................................................................................................................... 52
- Tabel 9 Tabel Jabatan ....................................................................................................................... 53
- Tabel 10 Tabel Department ............................................................................................................. 53
- Tabel 11 Tabel Materi Soft Skill .................................................................................................... 54
- Tabel 12 Tabel Materi Hard Skill ................................................................................................... 54
- Tabel 13 Soal Soft Skill .................................................................................................................... 55
- Tabel 14 Tabel Soal Hard Skill ........................................................................................................ 56
- Tabel 15 Tabel Jawaban Soft Skill ................................................................................................ 56
- Tabel 16 Tabel Jawaban Hard Skill ................................................................................................ 57
- Tabel 17 Tabel Nama Training ....................................................................................................... 57
- Tabel 18 Tabel Temp User ................................................................................................................. 57
- Tabel 19 Tabel T_Nilai ....................................................................................................................... 58
- Tabel 20 Tabel Nilai .......................................................................................................................... 59
- Tabel 21 Kamus Data Id Department ........................................................................................... 59
- Tabel 22 Kamus Data Nama Departemen ..................................................................................... 60
- Tabel 23 Kamus Data Id Jabatan ................................................................................................... 60
- Tabel 24 Kamus Data Nama Jabatan ............................................................................................. 61
- Tabel 25 Kamus Data Id User ......................................................................................................... 62
- Tabel 26 Kamus Data Nama User .................................................................................................. 63
- Tabel 27 Kamus Data Password .................................................................................................... 63
- Tabel 28 Kamus Data Username ................................................................................................... 65
- Tabel 29 Kamus Data Id Materi Soft Skill .................................................................................... 66
Tabel 30 Kamus Data Url Materi Soft Skill ............................................................... 66
Tabel 31 Kamus Data Status .......................................................................................... 67
Tabel 32 Id Materi Hard Skill......................................................................................... 67
Tabel 33 Kamus Data Url Materi Hard Skill .............................................................. 67
Tabel 34 Kamus Data Status .......................................................................................... 67
Tabel 35 Kamus Data Id Soal Soft Skill ...................................................................... 68
Tabel 36 Kamus Data Isi Soal Soft Skill ...................................................................... 68
Tabel 37 Kamus Data Url Gambar Soal Soft Skill ..................................................... 68
Tabel 38 Kamus Data Id Soal Hard Skill ..................................................................... 68
Tabel 39 Kamus Data Url Gambar Soal Hard Skill................................................... 69
Tabel 40 Kamus Data Isi Soal Hard Skill .................................................................... 69
Tabel 41 Kamus Data Id Jawaban Soft Skill ............................................................... 69
Tabel 42 Kamus Data Isi Jawaban Soft Skill .............................................................. 69
Tabel 43 Kamus Data Id Jawaban Hard Skill ............................................................. 70
Tabel 44 Kamus Data Isi Jawaban Hard Skill ............................................................. 70
Tabel 45 Kamus Data T_Nilai ......................................................................................... 70
Tabel 46 Kamus Data Tanggal ....................................................................................... 70
Tabel 47 Kamus Data Nilai ............................................................................................. 71
Tabel 48 Kamus Data Id Training ................................................................................. 71
Tabel 49 Kamus Data Nama Training ......................................................................... 71
Tabel 50 Kamus Data Keterangan ................................................................................ 71
Tabel 51 Kamus Data Tanggal Training ..................................................................... 72
Tabel 52 Kamus Data Id User Temp ............................................................................ 72
Tabel 53 Kamus Data Nama User ................................................................................. 72
Tabel 54 Kamus Data Password ................................................................................... 73
Tabel 55 Kamus Data Username ................................................................................... 75
Tabel 56 PSPEC Input Data Login................................................................................. 76
Tabel 57 PSPEC Verifikasi Data .................................................................................... 76
Tabel 58 PSPEC Ubah Materi Soft Skill ...................................................................... 77
Tabel 59 PSPEC Hapus Materi Soft Skill ..................................................................... 77
<table>
<thead>
<tr>
<th>Tabel</th>
<th>Deskripsi</th>
<th>Halaman</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>PSPEC Upload Materi Soft Skill</td>
<td>78</td>
</tr>
<tr>
<td>61</td>
<td>PSPEC Download Materi Soft Skill</td>
<td>78</td>
</tr>
<tr>
<td>62</td>
<td>PSPEC Ubah Materi Hard Skill</td>
<td>78</td>
</tr>
<tr>
<td>63</td>
<td>PSPEC Hapus Materi Hard Skill</td>
<td>78</td>
</tr>
<tr>
<td>64</td>
<td>PSPEC Upload Materi Hard Skill</td>
<td>78</td>
</tr>
<tr>
<td>65</td>
<td>PSPEC Download Materi Hard Skill</td>
<td>80</td>
</tr>
<tr>
<td>66</td>
<td>PSPEC Input Soal Soft Skill</td>
<td>80</td>
</tr>
<tr>
<td>67</td>
<td>PSPEC Ubah Soal Soft Skill</td>
<td>80</td>
</tr>
<tr>
<td>68</td>
<td>PSPEC Hapus Soal Soft Skill</td>
<td>80</td>
</tr>
<tr>
<td>69</td>
<td>PSPEC Upload Gambar Soal Soft Skill</td>
<td>82</td>
</tr>
<tr>
<td>70</td>
<td>PSPEC Lihat Soal Soft Skill</td>
<td>82</td>
</tr>
<tr>
<td>71</td>
<td>PSPEC Input Soal Hard Skill</td>
<td>82</td>
</tr>
<tr>
<td>72</td>
<td>PSPEC Ubah Soal Hard Skill</td>
<td>82</td>
</tr>
<tr>
<td>73</td>
<td>PSPEC Hapus Soal Hard Skill</td>
<td>83</td>
</tr>
<tr>
<td>74</td>
<td>PSPEC Upload Gambar Soal Hard Skill</td>
<td>83</td>
</tr>
<tr>
<td>75</td>
<td>PSPEC Lihat Soal Hard Skill</td>
<td>83</td>
</tr>
<tr>
<td>76</td>
<td>PSPEC Input Jawaban Soft Skill</td>
<td>84</td>
</tr>
<tr>
<td>77</td>
<td>PSPEC Cari Jawaban Soft Skill</td>
<td>84</td>
</tr>
<tr>
<td>78</td>
<td>PSPEC Lihat Jawaban Soft Skill</td>
<td>84</td>
</tr>
<tr>
<td>79</td>
<td>PSPEC Input Jawaban Hard Skill</td>
<td>84</td>
</tr>
<tr>
<td>80</td>
<td>PSPEC Cari Jawaban Hard Skill</td>
<td>84</td>
</tr>
<tr>
<td>81</td>
<td>PSPEC Lihat Jawaban Hard Skill</td>
<td>84</td>
</tr>
<tr>
<td>82</td>
<td>PSPEC Input Nama Training</td>
<td>85</td>
</tr>
<tr>
<td>83</td>
<td>PSPEC Ubah Nama Training</td>
<td>85</td>
</tr>
<tr>
<td>84</td>
<td>PSPEC Hapus Nama Training</td>
<td>85</td>
</tr>
<tr>
<td>85</td>
<td>PSPEC Input User</td>
<td>85</td>
</tr>
<tr>
<td>86</td>
<td>PSPEC Ubah User</td>
<td>85</td>
</tr>
<tr>
<td>87</td>
<td>PSPEC Hapus User</td>
<td>85</td>
</tr>
<tr>
<td>88</td>
<td>PSPEC Input Temp User</td>
<td>86</td>
</tr>
<tr>
<td>89</td>
<td>PSPEC Ubah Temp User</td>
<td>86</td>
</tr>
</tbody>
</table>
Tabel 90 PSPEC Hapus Temp User ................................................................. 90
Tabel 91 PSPEC Input Nilai .......................................................................... 90
Tabel 92 PSPEC Lihat Nilai ........................................................................... 91
Tabel 93 PSPEC Input Total Nilai ................................................................. 91
Tabel 94 PSPEC Lihat Total Nilai ................................................................. 92
Tabel 95 Halaman Login ............................................................................. 98
Tabel 96 Halaman Registrasi .................................................................... 99
Tabel 97 Halaman Login .......................................................................... 100
Tabel 98 Halaman Utama Karyawan .......................................................... 101
Tabel 99 Halaman Lihat Profil .................................................................. 102
Tabel 100 Halaman Menu Materi Soft Skill Karyawan ............................ 103
Tabel 101 Halaman Menu Materi Hard Skill ............................................. 104
Tabel 102 Halaman Tambah Jawaban Soft Skill ....................................... 105
Tabel 103 Halaman Tambah Jawaban Hard Skill ...................................... 108
Tabel 104 Halaman Awal ........................................................................... 109
Tabel 105 Halaman Login ........................................................................ 109
Tabel 106 Halaman Utama Admin ............................................................... 110
Tabel 107 Halaman Rubah Profil ................................................................. 112
Tabel 108 Halaman Lihat Profil Karyawan .................................................. 112
Tabel 109 Halaman Pengaturan Profil Karayawan .................................... 113
Tabel 110 Halaman Lihat Nama Training .................................................... 115
Tabel 111 Halaman Detail Nama Training ................................................... 115
Tabel 112 Halaman Rubah Nama Training ............................................... 116
Tabel 113 Halaman Hapus Nama Training ............................................... 117
Tabel 114 Halaman Tambah Nama Training ............................................. 118
Tabel 115 Halaman Menu Materi Soft Skill .............................................. 119
Tabel 116 Halaman Detail Materi Soft Skill .............................................. 120
Tabel 117 Halaman Rubah Materi Soft Skill ............................................. 121
Tabel 118 Halaman Menu Hapus Materi Soft Skill .................................. 121
Tabel 119 Halaman Tambah Materi Soft Skill ........................................... 122
Tabel 120 Halaman Menu Materi Hard Skill .......................................................... 123
Tabel 121 Halaman Detail Materi Hard Skill .......................................................... 124
Tabel 122 Halaman Rubah Materi Hard Skill ........................................................ 124
Tabel 123 Halaman Menu Hapus Materi Hard Skill ............................................. 125
Tabel 124 Halaman Tambah Materi Hard Skill ..................................................... 126
Tabel 125 Halaman Pengaturan Materi ................................................................. 127
Tabel 126 Halaman Menu Soal Soft Skill ................................................................. 128
Tabel 127 Halaman Detail Soal Soft Skill ............................................................... 129
Tabel 128 Halaman Rubah Soal Soft Skill ............................................................... 130
Tabel 129 Halaman Menu Hapus Soal Soft Skill ................................................... 131
Tabel 130 Halaman Tambah Soal Soft Skill ............................................................ 132
Tabel 131 Halaman Menu Soal Hard Skill ............................................................... 133
Tabel 132 Halaman Detail Soal Hard Skill ............................................................... 134
Tabel 133 Halaman Rubah Soal Hard Skill ............................................................. 136
Tabel 134 Halaman Menu Hapus Soal Hard Skill ................................................... 137
Tabel 135 Halaman Tambah Soal Hard Skill ........................................................... 138
Tabel 136 Halaman Menu Jawaban Soft Skill ........................................................ 139
Tabel 137 Halaman Detail Jawaban Soft Skill ....................................................... 140
Tabel 138 Halaman Menu Jawaban Hard Skill ...................................................... 141
Tabel 139 Halaman Detail Jawaban Hard Skill ...................................................... 142
Tabel 140 Halaman Laporan ..................................................................................... 144
Tabel 141 Halaman Detail Laporan Admin ............................................................. 144
Tabel 142 Test Case ............................................................................................... 171
Tabel 143 Pengujian Proses Register Karyawan .................................................. 176
Tabel 144 Pengujian Proses Login User .................................................................. 177
Tabel 145 Pengujian Proses Edit Profil Karyawan ............................................... 177
Tabel 146 Pengujian Proses Lihat Materi Soft Skill ............................................. 178
Tabel 147 Pengujian Proses Lihat Materi Hard Skill ........................................... 178
Tabel 148 Pengujian Proses Memasukan Jawaban Soft Skill Karyawan ......... 178
Tabel 149 Pengujian Proses Memasukan Jawaban HardSkill Karyawan ..... 178
Tabel 150 Pengujian Proses Edit Profil Admin ...................................................... 179
Tabel 151 Pengujian Proses Pengaturan Profil Karyawan ................................... 179
Tabel 152 Pengujian Proses Add Nama Training ...................................................... 179
Tabel 153 Pengujian Proses Lihat Data Nama Training Admin ................................ 180
Tabel 154 Pengujian Proses Edit Nama Training ...................................................... 180
Tabel 155 Pengujian Proses Delete Data Nama Training Admin ................................ 181
Tabel 156 Pengujian Proses Lihat Materi Soft Skill Admin ..................................... 181
Tabel 157 Pengujian Proses Add Materi Soft Skill ...................................................... 181
Tabel 158 Pengujian Proses Detail Materi Soft Skill Admin ..................................... 181
Tabel 159 Pengujian Proses Edit Materi Soft Skill ...................................................... 182
Tabel 160 Pengujian Proses Delete Materi Soft Skill Admin ..................................... 182
Tabel 161 Pengujian Proses Lihat Materi Hard Skill Admin ..................................... 182
Tabel 162 Pengujian Proses Add Materi Hard Skill ...................................................... 182
Tabel 163 Pengujian Proses Detail Materi Hard Skill Admin ..................................... 183
Tabel 164 Pengujian Proses Edit Materi Hard Skill ...................................................... 183
Tabel 165 Pengujian Proses Delete Materi Hard Skill Admin ..................................... 184
Tabel 166 Pengujian Proses Pengaturan Materi Soft Skill ...................................... 184
Tabel 167 Pengujian Proses Pengaturan Materi Hard Skill ...................................... 184
Tabel 168 Pengujian Proses Lihat Gambar Soal Soft Skill Admin ................................ 185
Tabel 169 Pengujian Proses Add Soal Soft Skill ...................................................... 185
Tabel 170 Pengujian Proses Detail Soal Soft Skill Admin .......................................... 185
Tabel 171 Pengujian Proses Edit Soal Soft Skill ...................................................... 185
Tabel 172 Pengujian Proses Delete Soal Soft Skill Admin .......................................... 185
Tabel 173 Pengujian Proses Lihat Soal Hard Skill Admin .......................................... 186
Tabel 174 Pengujian Proses Add Soal Hard Skill ...................................................... 186
Tabel 175 Pengujian Proses Detail Soal Hard Skill Admin .......................................... 187
Tabel 176 Pengujian Proses Edit Soal Hard Skill ...................................................... 187
Tabel 177 Pengujian Proses Delete Soal Hard Skill Admin .......................................... 188
Tabel 178 Pengujian Proses Penilaian Jawaban Soft Skill ......................................... 188
Tabel 179 Pengujian Proses Penilaian Jawaban Hard Skill ......................................... 188
Tabel 180 Pengujian Proses Lihat Laporan Admin .............................................. 188
Tabel 181 Pengujian Proses Lihat Laporan Manager .......................................... 189
Tabel 182 Kuisioner Karyawan ................................................................................. 190
Tabel 183 Kuisioner Admin ....................................................................................... 191
Tabel 184 Analisa Sistem 1 ......................................................................................... 192
Tabel 185 Analisa Sistem 2 ......................................................................................... 192
Tabel 186 Analisa Sistem 3 ......................................................................................... 193
Tabel 187 Analisa Sistem 4 ......................................................................................... 193
Tabel 188 Analisa Sistem 5 ......................................................................................... 194
Tabel 189 Analisa Sistem 6 ......................................................................................... 194
Tabel 190 Analisa Sistem 7 ......................................................................................... 195
Tabel 191 Analisa Sistem 8 ......................................................................................... 195
Tabel 192 Analisa Sistem 9 ......................................................................................... 196
Tabel 193 Analisa Sistem 10 ....................................................................................... 196
Tabel 194 Analisa Sistem 11 ....................................................................................... 197
Tabel 195 Analisa Sistem 12 ....................................................................................... 197
Tabel 196 Analisa Sistem 13 ....................................................................................... 197
Tabel 197 Analisa Sistem 14 ....................................................................................... 198
Tabel 198 Analisa Sistem 15 ....................................................................................... 198
Tabel 199 Analisa Sistem 16 ....................................................................................... 199
Tabel 200 Analisa Sistem 17 ....................................................................................... 199
Tabel 201 Analisa Sistem 18 ....................................................................................... 200
DAFTAR LAMPIRAN

1. Data Penulis ...................................................................................................... A.1
2. Kuisioner ........................................................................................................... B.1
3. *Form* Resmi Perusahaan ............................................................................... C.1
4. *User Manual Admin* ..................................................................................... D.1
5. *User Manual Karyawan* .................................................................................. D.31