# **BAB III**

**ANALISIS DAN PERANCANGAN**

**Perhitungan Penilaian Sales Terbaik**

**Menyusun Kriteria Penerima Dana Bantuan**

Teori penjelelasan sendiri, jelaskan penerapan penilaian sales ke dalam perhitungan promethee

**Kriteria dan Bobot Penilaian**

Penjelasan….

**Penetapan Subkriteria dan Nilai Pada Setiap Kriteria**

Penjelasanan…

**Penetapan Nilai Bobot**

Penjelasan….

**Penerapan Metode Promethee**

Penjelasan…

**Analisis Sistem Yang Sedang Berjalan**

Gambar Analisis Sistem Yang Sedang Berjalan

**Analisis Sistem Yang Diusulkan**

Teori bla bla



Gambar Analisis Sistem Yang Diusulkan

Keterangan.

1. Seluruh pengguna harus melakukan login terlebih dahulu untuk dapat mengakses sistem.

Ga jauh menjelaskan program tp seaka-akan membayangkan mau bikin program

**Perancangan Sistem**

Teori

**Diagram Konteks**

Teori

Gambar Diagram Konteks

Keterangan

1. Entitas Admin

Entitas member adalah pengguna yang dapat mengkases

1. Entitas Sales

Entitas sales adalah

1. Pimpinan

Entitas pimpinan adalah

**Data Flow Diagram**

Teori

***Data Flow Diagram* (DFD) Level 0**



Gambar Data Flow Diagram Level 0

Keterangan

1. 1.0 Proses Login

Proses ini member dapat melakukan pendaftaran untuk mendapatkan

1. 2.0 Proses Kelola Data Karyawan
2. 3.0 Proses Penilaian Sales
3. 4.0 Proses Kelola Data Laporan

***Data Flow Diagram* (DFD) Level 1 3.0 Proses Penilaian Sales**



Gambar Data Flow Diagram Level 1

2.0 Proses Kelola Data Master

Keterangan

1. 3.1 Proses Input Penilaian Sales
2. 3.2 Proses Perhitugan Promethee
3. 3.3 Proses Perekepan Penilaian Sales

**Entity Relationship Diagram**

Teori



Gambar Entity Relationship Diagram Normalisasi

Teori

**Bentuk Tidak Normal (*Unnormalize*)**

Teori

Semua data dikumpulkan jadi satu

Tabel Bentuk Tidak Normal (Unnormalize)

|  |  |  |  |
| --- | --- | --- | --- |
| **nik\_karyawan** | **level\_karyawan** | **nama\_karyawan** | **alamat\_karyawan** |
| 11111 | Admin | Erlangga | Purwawinangun Kuningan |
| 22222 | Pimpinan | Intan | Winduhaji Kuningan |
| 33333 | Sales | Adi | Cijoho Kuningan |
| 33333 | Sales | Adi | Cijoho Kuningan |
| 44444 | Sales | Beni | Ancaran Kuningan |
| 44444 | Sales | Beni | Ancaran Kuningan |
| 55555 | Sales | Cica | Ciporang Kuningan |
| 55555 | Sales | Cica | Ciporang Kuningan |
| 66666 | Sales | Dita | Cirendang Kuningan |
| 66666 | Sales | Dita | Cirendang Kuningan |
| 77777 | Sales | Deni | Kramatmulya Kuningan |
| 77777 | Sales | Deni | Kramatmulya Kuningan |

|  |  |  |  |
| --- | --- | --- | --- |
| **kontak\_karyawan** | **username\_karyawan** | **password\_karyawan** | **foto\_karyawan** |
| 08111111111111 | admin | admin | admin.jpg |
| 08222222222222 | pimpinan | pimpinan | piminan.jpg |
| 08333333333333 | sales1 | sales1 | sales1.jpg |
| 08333333333333 | sales1 | sales1 | sales1.jpg |
| 08444444444444 | sales2 | sales2 | sales2.jpg |
| 08444444444444 | sales2 | sales2 | sales2.jpg |
| 08555555555555 | sales3 | sales3 | sales3.jpg |
| 08555555555555 | sales3 | sales3 | sales3.jpg |
| 08666666666666 | sales4 | sales4 | sales4.jpg |
| 08666666666666 | sales4 | sales4 | sales4.jpg |
| 08777777777777 | sales5 | sales5 | sales5.jpg |
| 08777777777777 | sales5 | sales5 | sales5.jpg |

Tabel lanjutan...

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_penilaian** | **tanggal\_penilaian** | **k1\_penilaian** | **k2\_penilaian** | **k3\_penilaian** |
| - | - | - | - | - |
| - | - | - | - | - |
| 1 | 24/05/2022 18:04 | 3 | 4 | 5 |
| 6 | 07/06/2022 09:06 | 4 | 5 | 4 |
| 2 | 05/05/2022 17:54 | 4 | 3 | 4 |
| 7 | 07/06/2022 09:06 | 5 | 3 | 5 |
| 3 | 05/05/2022 14:57 | 4 | 5 | 3 |
| 8 | 07/06/2022 09:06 | 5 | 3 | 3 |
| 4 | 24/05/2022 15:43 | 2 | 1 | 2 |
| 9 | 07/06/2022 09:06 | 3 | 3 | 3 |
| 5 | 27/05/2022 15:34 | 5 | 4 | 4 |
| 10 | 07/06/2022 09:06 | 3 | 5 | 5 |

Tabel lanjutan..

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **k4\_penilaian** | **lf\_penilaian** | **ef\_penilaian** | **nf\_penilaian** | **ranking\_penilaian** |
| - | - | - | - | - |
| - | - | - | - | - |
| 3 | 0.7425 | 0.495 | 0.2475 | 2 |
| 3 | 0.5775 | 0.5775 | 0 | 3 |
| 2 | 0.495 | 0.66 | -0.165 | 4 |
| 5 | 0.7425 | 0.165 | 0.5775 | 1 |
| 1 | 0.5775 | 0.66 | -0.0825 | 3 |
| 4 | 0.4125 | 0.5775 | -0.165 | 4 |
| 4 | 0.2475 | 1.0725 | -0.825 | 5 |
| 3 | 0 | 0.9075 | -0.9075 | 5 |
| 5 | 0.99 | 0.165 | 0.825 | 1 |
| 5 | 0.7425 | 0.2475 | 0.495 | 2 |

Tabel lanjutan..

|  |  |  |
| --- | --- | --- |
| **kode\_rekap** | **tanggal\_rekap** | **keterangan\_rekap** |
| - | - | - |
| - | - | - |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |

Tabel Lanjutan...

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_kriteria** | **nama\_kriteria** | **keterangan\_kriteria** | **penilaian\_kriteria** | **bobot\_kriteria** |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |

Tabel lanjutan..

|  |  |  |  |
| --- | --- | --- | --- |
| **kode\_subkriteria** | **nama\_subkriteria** | **persentase\_subkriteria** | **bobot\_subkriteria** |
| K11 | Sangat Baik | 100% | 5 |
| K12 | Baik | 95% | 4 |
| K13 | Cukup | 90% | 3 |
| K14 | Kurang | 85% | 2 |
| K15 | Sangat Kurang | 80% | 1 |
| K21 | Sangat Baik | 41 Orang | 5 |
| K22 | Baik | 31 Orang | 4 |
| K23 | Cukup | 21 Orang | 3 |
| K24 | Kurang | 11 Orang | 2 |
| K25 | Sangat Kurang | 1 Orang | 1 |
| K31 | Sangat Baik | 15 Unit | 5 |
| K32 | Baik | 10 Unit | 4 |
| K33 | Cukup | 7 Unit | 3 |
| K34 | Kurang | 4 Unit | 2 |
| K35 | Sangat Kurang | 1 Unit | 1 |
| K41 | Sangat Baik | 20 Video | 5 |
| K42 | Baik | 15 Video | 4 |
| K43 | Cukup | 10 Video | 3 |
| K44 | Kurang | 5 Video | 2 |
| K45 | Sangat Kurang | 1 Video | 1 |

Tabel Lanjutan

**Bentuk Normal Pertama (1NF)**

Teori

Dilakukan penyortiran data yang duplikat

Tabel Normal Pertama (1NF)

|  |  |  |  |
| --- | --- | --- | --- |
| **nik\_karyawan** | **level\_karyawan** | **nama\_karyawan** | **alamat\_karyawan** |
| 11111 | Admin | Erlangga | Purwawinangun Kuningan |
| 22222 | Pimpinan | Intan | Winduhaji Kuningan |
| 33333 | Sales | Adi | Cijoho Kuningan |
|  |  |  |  |
| 44444 | Sales | Beni | Ancaran Kuningan |
|  |  |  |  |
| 55555 | Sales | Cica | Ciporang Kuningan |
|  |  |  |  |
| 66666 | Sales | Dita | Cirendang Kuningan |
|  |  |  |  |
| 77777 | Sales | Deni | Kramatmulya Kuningan |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **kontak\_karyawan** | **username\_karyawan** | **password\_karyawan** | **foto\_karyawan** |
| 08111111111111 | admin | admin | admin.jpg |
| 08222222222222 | pimpinan | pimpinan | piminan.jpg |
| 08333333333333 | sales1 | sales1 | sales1.jpg |
|  |  |  |  |
| 08444444444444 | sales2 | sales2 | sales2.jpg |
|  |  |  |  |
| 08555555555555 | sales3 | sales3 | sales3.jpg |
|  |  |  |  |
| 08666666666666 | sales4 | sales4 | sales4.jpg |
|  |  |  |  |
| 08777777777777 | sales5 | sales5 | sales5.jpg |
|  |  |  |  |

Tabel lanjutan...

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_penilaian** | **tanggal\_penilaian** | **k1\_penilaian** | **k2\_penilaian** | **k3\_penilaian** |
| - | - | - | - | - |
| - | - | - | - | - |
| 1 | 24/05/2022 18:04 | 3 | 4 | 5 |
| 6 | 07/06/2022 09:06 | 4 | 5 | 4 |
| 2 | 05/05/2022 17:54 | 4 | 3 | 4 |
| 7 | 07/06/2022 09:06 | 5 | 3 | 5 |
| 3 | 05/05/2022 14:57 | 4 | 5 | 3 |
| 8 | 07/06/2022 09:06 | 5 | 3 | 3 |
| 4 | 24/05/2022 15:43 | 2 | 1 | 2 |
| 9 | 07/06/2022 09:06 | 3 | 3 | 3 |
| 5 | 27/05/2022 15:34 | 5 | 4 | 4 |
| 10 | 07/06/2022 09:06 | 3 | 5 | 5 |

Tabel lanjutan..

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **k4\_penilaian** | **lf\_penilaian** | **ef\_penilaian** | **nf\_penilaian** | **ranking\_penilaian** |
| - | - | - | - | - |
| - | - | - | - | - |
| 3 | 0.7425 | 0.495 | 0.2475 | 2 |
| 3 | 0.5775 | 0.5775 | 0 | 3 |
| 2 | 0.495 | 0.66 | -0.165 | 4 |
| 5 | 0.7425 | 0.165 | 0.5775 | 1 |
| 1 | 0.5775 | 0.66 | -0.0825 | 3 |
| 4 | 0.4125 | 0.5775 | -0.165 | 4 |
| 4 | 0.2475 | 1.0725 | -0.825 | 5 |
| 3 | 0 | 0.9075 | -0.9075 | 5 |
| 5 | 0.99 | 0.165 | 0.825 | 1 |
| 5 | 0.7425 | 0.2475 | 0.495 | 2 |

Tabel lanjutan..

|  |  |  |
| --- | --- | --- |
| **kode\_rekap** | **tanggal\_rekap** | **keterangan\_rekap** |
| - | - | - |
| - | - | - |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Tabel Lanjutan...

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_kriteria** | **nama\_kriteria** | **keterangan\_kriteria** | **penilaian\_kriteria** | **bobot\_kriteria** |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Tabel lanjutan..

|  |  |  |  |
| --- | --- | --- | --- |
| **kode\_subkriteria** | **nama\_subkriteria** | **persentase\_subkriteria** | **bobot\_subkriteria** |
| K11 | Sangat Baik | 100% | 5 |
| K12 | Baik | 95% | 4 |
| K13 | Cukup | 90% | 3 |
| K14 | Kurang | 85% | 2 |
| K15 | Sangat Kurang | 80% | 1 |
| K21 | Sangat Baik | 41 Orang | 5 |
| K22 | Baik | 31 Orang | 4 |
| K23 | Cukup | 21 Orang | 3 |
| K24 | Kurang | 11 Orang | 2 |
| K25 | Sangat Kurang | 1 Orang | 1 |
| K31 | Sangat Baik | 15 Unit | 5 |
| K32 | Baik | 10 Unit | 4 |
| K33 | Cukup | 7 Unit | 3 |
| K34 | Kurang | 4 Unit | 2 |
| K35 | Sangat Kurang | 1 Unit | 1 |
| K41 | Sangat Baik | 20 Video | 5 |
| K42 | Baik | 15 Video | 4 |
| K43 | Cukup | 10 Video | 3 |
| K44 | Kurang | 5 Video | 2 |
| K45 | Sangat Kurang | 1 Video | 1 |

Tabel Lanjutan

**Bentuk Normal Kedua (2NF)**

Teori

Memisahkan field untuk dijadikan tabel baru dengan kode unik yang akan di relasikan antar tabel

Tabel Karyawan

|  |  |  |  |
| --- | --- | --- | --- |
| **nik\_karyawan** | **level\_karyawan** | **nama\_karyawan** | **alamat\_karyawan** |
| 11111 | Admin | Erlangga | Purwawinangun Kuningan |
| 22222 | Pimpinan | Intan | Winduhaji Kuningan |
| 33333 | Sales | Adi | Cijoho Kuningan |
| 44444 | Sales | Beni | Ancaran Kuningan |
| 55555 | Sales | Cica | Ciporang Kuningan |
| 66666 | Sales | Dita | Cirendang Kuningan |
| 77777 | Sales | Deni | Kramatmulya Kuningan |

|  |  |  |  |
| --- | --- | --- | --- |
| **kontak\_karyawan** | **username\_karyawan** | **password\_karyawan** | **foto\_karyawan** |
| 08111111111111 | admin | admin | admin.jpg |
| 08222222222222 | pimpinan | pimpinan | piminan.jpg |
| 08333333333333 | sales1 | sales1 | sales1.jpg |
| 08444444444444 | sales2 | sales2 | sales2.jpg |
| 08555555555555 | sales3 | sales3 | sales3.jpg |
| 08666666666666 | sales4 | sales4 | sales4.jpg |
| 08777777777777 | sales5 | sales5 | sales5.jpg |

Tabel lanjutan...

Tabel Penilaian

|  |  |  |  |
| --- | --- | --- | --- |
| **kode\_penilaian** | **kode\_rekap** | **nik\_karyawan** | **tanggal\_penilaian** |
| 1 | RKP-20220506080649 | 33333 | 24/05/2022 18:04 |
| 6 | RKP-20220607090656 | 33333 | 07/06/2022 09:06 |
| 2 | RKP-20220506080649 | 44444 | 05/05/2022 17:54 |
| 7 | RKP-20220607090656 | 44444 | 07/06/2022 09:06 |
| 3 | RKP-20220506080649 | 55555 | 05/05/2022 14:57 |
| 8 | RKP-20220607090656 | 55555 | 07/06/2022 09:06 |
| 4 | RKP-20220506080649 | 66666 | 24/05/2022 15:43 |
| 9 | RKP-20220607090656 | 66666 | 07/06/2022 09:06 |
| 5 | RKP-20220506080649 | 77777 | 27/05/2022 15:34 |
| 10 | RKP-20220607090656 | 77777 | 07/06/2022 09:06 |

Tabel lanjutan..

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **k1\_penilaian** | **k2\_penilaian** | **k3\_penilaian** | **k4\_penilaian** | **lf\_penilaian** | **ef\_penilaian** |
| 3 | 4 | 5 | 3 | 0.7425 | 0.495 |
| 4 | 5 | 4 | 3 | 0.5775 | 0.5775 |
| 4 | 3 | 4 | 2 | 0.495 | 0.66 |
| 5 | 3 | 5 | 5 | 0.7425 | 0.165 |
| 4 | 5 | 3 | 1 | 0.5775 | 0.66 |
| 5 | 3 | 3 | 4 | 0.4125 | 0.5775 |
| 2 | 1 | 2 | 4 | 0.2475 | 1.0725 |
| 3 | 3 | 3 | 3 | 0 | 0.9075 |
| 5 | 4 | 4 | 5 | 0.99 | 0.165 |
| 3 | 5 | 5 | 5 | 0.7425 | 0.2475 |

Tabel lanjutan..

|  |  |
| --- | --- |
| **nf\_penilaian** | **ranking\_penilaian** |
| 0.2475 | 2 |
| 0 | 3 |
| -0.165 | 4 |
| 0.5775 | 1 |
| -0.0825 | 3 |
| -0.165 | 4 |
| -0.825 | 5 |
| -0.9075 | 5 |
| 0.825 | 1 |
| 0.495 | 2 |

Tabel lanjutan...

Tabel Rekap

|  |  |  |
| --- | --- | --- |
| **kode\_rekap** | **tanggal\_rekap** | **keterangan\_rekap** |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |

Tabel Kriteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_kriteria** | **nama\_kriteria** | **keterangan\_kriteria** | **penilaian\_kriteria** | **bobot\_kriteria** |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |

Tabel lanjutan..

Tabel Subkriteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_subkriteria** | **kode\_kriteria** | **nama\_subkriteria** | **persentase\_subkriteria** | **bobot\_subkriteria** |
| K11 | K1 | Sangat Baik | 100% | 5 |
| K12 | K1 | Baik | 95% | 4 |
| K13 | K1 | Cukup | 90% | 3 |
| K14 | K1 | Kurang | 85% | 2 |
| K15 | K1 | Sangat Kurang | 80% | 1 |
| K21 | K2 | Sangat Baik | 41 Orang | 5 |
| K22 | K2 | Baik | 31 Orang | 4 |
| K23 | K2 | Cukup | 21 Orang | 3 |
| K24 | K2 | Kurang | 11 Orang | 2 |
| K25 | K2 | Sangat Kurang | 1 Orang | 1 |
| K31 | K3 | Sangat Baik | 15 Unit | 5 |
| K32 | K3 | Baik | 10 Unit | 4 |
| K33 | K3 | Cukup | 7 Unit | 3 |
| K34 | K3 | Kurang | 4 Unit | 2 |
| K35 | K3 | Sangat Kurang | 1 Unit | 1 |
| K41 | K4 | Sangat Baik | 20 Video | 5 |
| K42 | K4 | Baik | 15 Video | 4 |
| K43 | K4 | Cukup | 10 Video | 3 |
| K44 | K4 | Kurang | 5 Video | 2 |
| K45 | K4 | Sangat Kurang | 1 Video | 1 |

Tabel Lanjutan

**Bentuk Normal Ketiga (3NF)**

Teori

Membuat penentuan PK FK

Tabel Karyawan

|  |  |  |  |
| --- | --- | --- | --- |
| **\*nik\_karyawan** | **level\_karyawan** | **nama\_karyawan** | **alamat\_karyawan** |
| 11111 | Admin | Erlangga | Purwawinangun Kuningan |
| 22222 | Pimpinan | Intan | Winduhaji Kuningan |
| 33333 | Sales | Adi | Cijoho Kuningan |
| 44444 | Sales | Beni | Ancaran Kuningan |
| 55555 | Sales | Cica | Ciporang Kuningan |
| 66666 | Sales | Dita | Cirendang Kuningan |
| 77777 | Sales | Deni | Kramatmulya Kuningan |

|  |  |  |  |
| --- | --- | --- | --- |
| **kontak\_karyawan** | **username\_karyawan** | **password\_karyawan** | **foto\_karyawan** |
| 08111111111111 | admin | admin | admin.jpg |
| 08222222222222 | pimpinan | pimpinan | piminan.jpg |
| 08333333333333 | sales1 | sales1 | sales1.jpg |
| 08444444444444 | sales2 | sales2 | sales2.jpg |
| 08555555555555 | sales3 | sales3 | sales3.jpg |
| 08666666666666 | sales4 | sales4 | sales4.jpg |
| 08777777777777 | sales5 | sales5 | sales5.jpg |

Tabel lanjutan...

Tabel Penilaian

|  |  |  |  |
| --- | --- | --- | --- |
| **kode\_penilaian\*** | **kode\_rekap\*\*** | **nik\_karyawan\*\*** | **tanggal\_penilaian** |
| 1 | RKP-20220506080649 | 33333 | 24/05/2022 18:04 |
| 6 | RKP-20220607090656 | 33333 | 07/06/2022 09:06 |
| 2 | RKP-20220506080649 | 44444 | 05/05/2022 17:54 |
| 7 | RKP-20220607090656 | 44444 | 07/06/2022 09:06 |
| 3 | RKP-20220506080649 | 55555 | 05/05/2022 14:57 |
| 8 | RKP-20220607090656 | 55555 | 07/06/2022 09:06 |
| 4 | RKP-20220506080649 | 66666 | 24/05/2022 15:43 |
| 9 | RKP-20220607090656 | 66666 | 07/06/2022 09:06 |
| 5 | RKP-20220506080649 | 77777 | 27/05/2022 15:34 |
| 10 | RKP-20220607090656 | 77777 | 07/06/2022 09:06 |

Tabel lanjutan..

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **k1\_penilaian** | **k2\_penilaian** | **k3\_penilaian** | **k4\_penilaian** | **lf\_penilaian** | **ef\_penilaian** |
| 3 | 4 | 5 | 3 | 0.7425 | 0.495 |
| 4 | 5 | 4 | 3 | 0.5775 | 0.5775 |
| 4 | 3 | 4 | 2 | 0.495 | 0.66 |
| 5 | 3 | 5 | 5 | 0.7425 | 0.165 |
| 4 | 5 | 3 | 1 | 0.5775 | 0.66 |
| 5 | 3 | 3 | 4 | 0.4125 | 0.5775 |
| 2 | 1 | 2 | 4 | 0.2475 | 1.0725 |
| 3 | 3 | 3 | 3 | 0 | 0.9075 |
| 5 | 4 | 4 | 5 | 0.99 | 0.165 |
| 3 | 5 | 5 | 5 | 0.7425 | 0.2475 |

Tabel lanjutan..

|  |  |
| --- | --- |
| **nf\_penilaian** | **ranking\_penilaian** |
| 0.2475 | 2 |
| 0 | 3 |
| -0.165 | 4 |
| 0.5775 | 1 |
| -0.0825 | 3 |
| -0.165 | 4 |
| -0.825 | 5 |
| -0.9075 | 5 |
| 0.825 | 1 |
| 0.495 | 2 |

Tabel lanjutan...

Tabel Rekap

|  |  |  |
| --- | --- | --- |
| **kode\_rekap\*** | **tanggal\_rekap** | **keterangan\_rekap** |
| RKP-20220506080649 | 06/06/2022 08:06 | Untuk bonus tengah tahun |
| RKP-20220607090656 | 07/06/2022 09:06 | Bonus ulang tahun honda |

Tabel Kriteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_kriteria\*** | **nama\_kriteria** | **keterangan\_kriteria** | **penilaian\_kriteria** | **bobot\_kriteria** |
| K1 | Absensi | Keterangan1 | k1\_penilaian | 1 |
| K2 | Data Kanvasing | Keterangan2 | k2\_penilaian | 1 |
| K3 | Data Penjualan | Keterangan3 | k3\_penilaian | 1 |
| K4 | Keaktifan | Keterangan4 | k4\_penilaian | 1 |

Tabel lanjutan..

Tabel Subkriteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **kode\_subkriteria\*** | **kode\_kriteria\*\*** | **nama\_subkriteria** | **persentase\_subkriteria** | **bobot\_subkriteria** |
| K11 | K1 | Sangat Baik | 100% | 5 |
| K12 | K1 | Baik | 95% | 4 |
| K13 | K1 | Cukup | 90% | 3 |
| K14 | K1 | Kurang | 85% | 2 |
| K15 | K1 | Sangat Kurang | 80% | 1 |
| K21 | K2 | Sangat Baik | 41 Orang | 5 |
| K22 | K2 | Baik | 31 Orang | 4 |
| K23 | K2 | Cukup | 21 Orang | 3 |
| K24 | K2 | Kurang | 11 Orang | 2 |
| K25 | K2 | Sangat Kurang | 1 Orang | 1 |
| K31 | K3 | Sangat Baik | 15 Unit | 5 |
| K32 | K3 | Baik | 10 Unit | 4 |
| K33 | K3 | Cukup | 7 Unit | 3 |
| K34 | K3 | Kurang | 4 Unit | 2 |
| K35 | K3 | Sangat Kurang | 1 Unit | 1 |
| K41 | K4 | Sangat Baik | 20 Video | 5 |
| K42 | K4 | Baik | 15 Video | 4 |
| K43 | K4 | Cukup | 10 Video | 3 |
| K44 | K4 | Kurang | 5 Video | 2 |
| K45 | K4 | Sangat Kurang | 1 Video | 1 |

Tabel Lanjutan

**Relasi Antar Tabel**

Teori



Gambar Relasi Antar Tabel

**Struktur Tabel**

Teori

**Tabel karyawan**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Keterangan** |
| nik\_karyawan | varchar | 10 | *Primary Key* |
| level\_karyawan | varchar | 10 |  |
| nama\_karyawan | varchar | 30 |  |
| alamat\_karyawan | text |  |  |
| kontak\_karyawan | varchar | 15 |  |
| username\_karyawan | varchar | 20 |  |
| password\_karyawan | varchar | 20 |  |
| foto\_karyawan | varchar | 255 |  |

**Tabel kriteria**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Keterangan** |
| kode\_kriteria | varchar | 5 | *Primary Key* |
| nama\_kriteria | varchar | 20 |  |
| keterangan\_kriteria | text |  |  |
| penilaian\_kriteria | varchar | 20 |  |
| bobot\_kriteria | float |  |  |

**Tabel penilaian**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Keterangan** |
| kode\_penilaian | int | 10 | *Primary Key* |
| kode\_rekap | varchar | 50 | *Foreign Key* |
| nik\_karyawan | varchar | 10 | *Foreign Key* |
| tanggal\_penilaian | date |  |  |
| k1\_penilaian | float |  |  |
| k2\_penilaian | float |  |  |
| k3\_penilaian | float |  |  |
| k4\_penilaian | float |  |  |
| lf\_penilaian | float |  |  |
| ef\_penilaian | float |  |  |
| nf\_penilaian | int | 10 |  |
| ranking\_penilaian | varchar | 20 |  |

**Tabel rekap**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Keterangan** |
| kode\_rekap | int | 10 | *Primary Key* |
| tanggal\_rekap | float |  |  |
| keterangan\_rekap | float |  |  |

**Tabel subkriteria**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Type** | **Size** | **Keterangan** |
| kode\_subkriteria | varchar | 5 | *Primary Key* |
| kode\_kriteria | varchar | 5 | *Foreign Key* |
| nama\_subkriteria | varchar | 20 |  |
| persentase\_subkriteria | varchar | 20 |  |
| bobot\_subkriteria | float |  |  |

**Kamus Data**

Teori

Tabel Kamus Data

|  |  |
| --- | --- |
| karyawan | :{@nik\_karyawan+level\_karyawan+nama\_karyawan+alamat\_karyawan+kontak\_karyawan+username\_karyawan+password\_karyawan+foto\_karyawan} |
| kriteria | :{@kode\_kriteria+nama\_kriteria+keterangan\_kriteria+penilaian\_kriteria+bobot\_kriteria} |
| penilaian | :{@kode\_penilaian+kode\_rekap+nik\_karyawan+tanggal\_penilaian+k1\_penilaian+k2\_penilaian+k3\_penilaian+k4\_penilaian+lf\_penilaian+ef\_penilaian+nf\_penilaian+ranking\_penilaian} |
| rekap | :{@kode\_rekap+tanggal\_rekap+keterangan\_rekap} |
| subkriteria | :{@kode\_subkriteria+kode\_kriteria+nama\_subkriteria+persentase\_subkriteria+bobot\_subkriteria} |