

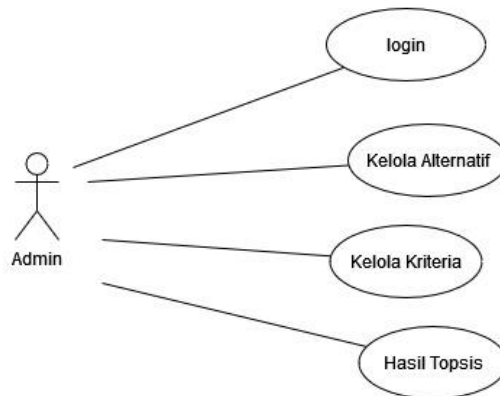
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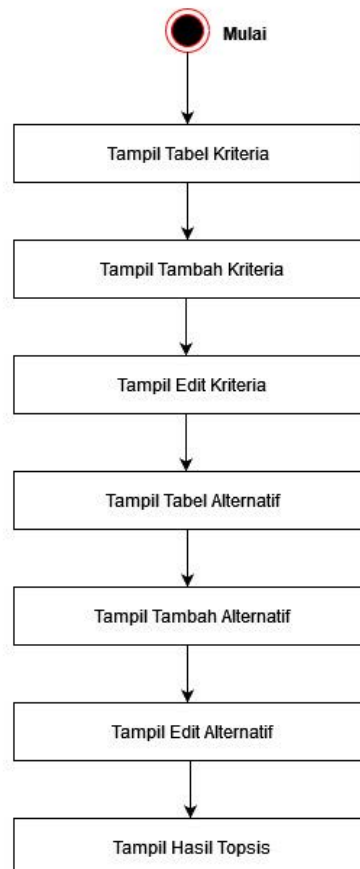
Prodi : D4 Manajemen Informatika 2019 A

1. Perancangan UML

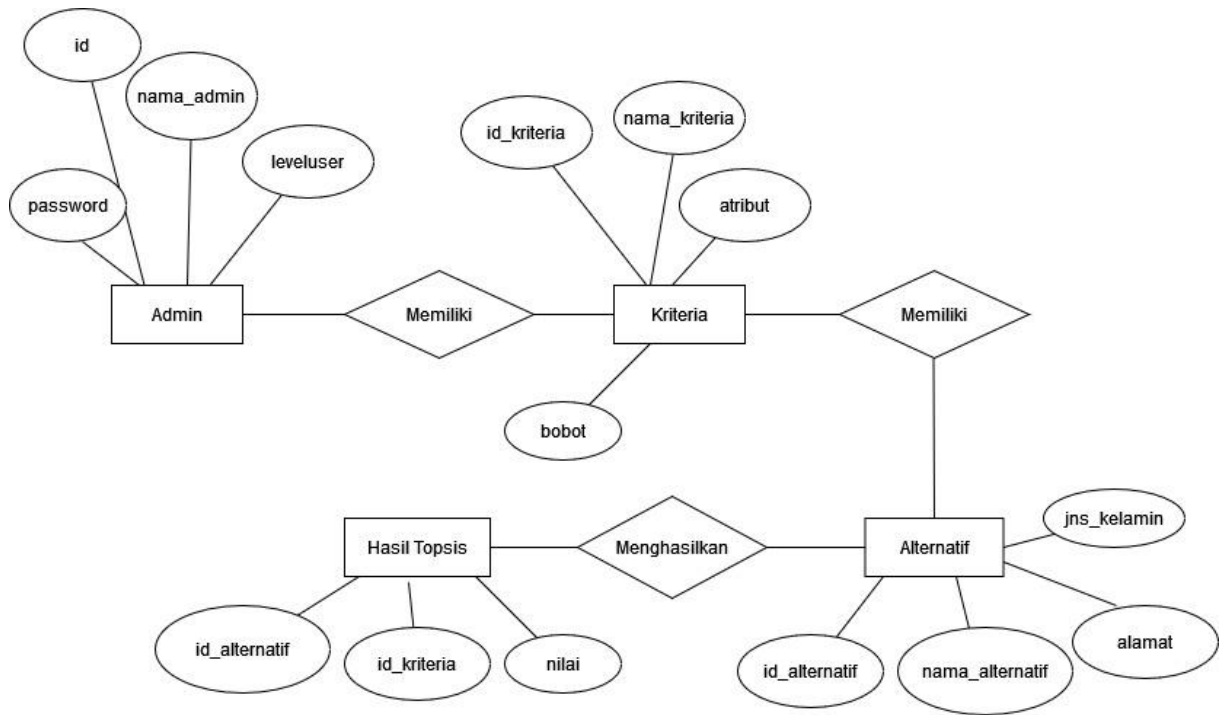
1. Use Case Diagram Seleksi Penerimaan Beasiswa



2. Activity Diagram Seleksi Penerimaan Beasiswa



2. Desain Database



3. Desain Aplikasi

a. Tampilan Kriteria Penerimaan Beasiswa

Screenshot of a web application interface for the TOPSIS method student selection process. The browser address bar shows `localhost/tes/kriteria.php`. The page title is "Seleksi Penerima Beasiswa metode TOPSIS".

The interface displays a table titled "Kriteria" with the following data:

Kode Kriteria	Nama Kriteria	Bobot	Atribut	Aksi
1	rata-rata nilai raport	Benefit	10	Edit Delete
2	Penghasilan Orang Tua	Cost	8	Edit Delete
3	Kelas	Cost	2	Edit Delete
4	Tanggungan Orang Tua	Benefit	6	Edit Delete
5	Usia Orang Tua	Cost	1	Edit Delete

The bottom of the screenshot shows the Windows taskbar with the system clock at 12:50 PM on 10/24/2021.

b. Tampilan Tambah Kriteria

The screenshot shows a web browser window with the URL `localhost/tes/kriteriatambah.php`. The page title is "Seleksi Penerima Beasiswa metode TOPSIS". The navigation bar includes links for "Kriteria", "Alternatif", and "Hasil Topsis". The main form is titled "Kriteria" and has two tabs: "Tabel Kriteria" and "Tambah Kriteria". The "Tambah Kriteria" tab is active, showing a form with the following fields: "Kode Kriteria", "Nama Kriteria", "Atribut", and "Bobot". A green "Tambah" button is at the bottom of the form. The Windows taskbar at the bottom shows the date and time as 12:56 PM on 10/24/2021.

c. Tampilan Edit Kriteria

The screenshot shows a web browser window with the URL `localhost/tes/editkriteria.php?id_kriteria=1`. The page title is "SPK Metode Topsis". The main form is titled "Edit Kriteria" and contains the following fields: a text box with the value "1", a text box with the value "rata-rata", a text box with the value "Benefit", and a text box with the value "10". At the bottom of the form are two buttons: a red "Batal" button and a green "Ubah" button. The Windows taskbar at the bottom shows the date and time as 12:57 PM on 10/24/2021.

d. Tampilan Tabel Alternatif Penerimaan Beasiswa

Seleksi Penerima Beasiswa metode TOPSIS

Kriteria Alternatif Hasil Topsis

Alternatif

Tabel Alternatif [Tambah Alternatif](#)

Kode Kriteria	Nama Alternatif	Alamat	Jenis Kelamin	Aksi
1	Affan	Babatan Wiyung	Laki-laki	Edit Hapus
2	tania	jonggol	perempuan	Edit Hapus
3	Dhita	kedungdoro	perempuan	Edit Hapus
4	putra	plemahan	Laki-laki	Edit Hapus

Windows taskbar: Type here to search, 34°C, 12:58 PM 10/24/2021

e. Tampilan Tambah Kriteria

Seleksi Penerima Beasiswa metode TOPSIS

Kriteria Alternatif Hasil Topsis

Alternatif

[Tabel Alternatif](#) [Tambah Alternatif](#)

[Tambah](#)

Windows taskbar: Type here to search, 34°C, 12:59 PM 10/24/2021

f. Tampilan Edit Kriteria

Seleksi Penerima Beasiswa metode TOPSIS

Edit Alternatif

1

Affan

Babatan

Laki-laki

Batal Ubah

Type here to search

34°C 1:00 PM 10/24/2021

g. Tampilan Hasil Topsis

Seleksi Penerima Beasiswa metode TOPSIS

Kriteria Alternatif Hasil Topsis

Evaluation Matrix (x_{ij})

No	Alternatif	Nama	Kriteria		
			rata-rata nilai raport	Penghasilan Orang Tua	Kelas
			K1	K2	K3
1	A1	Affan	3	1	3
2	A2	tania	3	2	3
3	A3	Dhita	1	1	2

Rating Kinerja Ternormalisasi (r_{ij})

No	Alternatif	Nama	Kriteria		
			rata-rata nilai raport	Penghasilan Orang Tua	Kelas
			K1	K2	K3
1	A1	Affan	0.6882	0.4082	0.6396
2	A2	tania	0.6882	0.8165	0.6396

Type here to search

34°C 1:01 PM 10/24/2021