BAB 4

DESKRIPSI PERANCANGAN PERANGKAT LUNAK

Donasi *Online*
WeCan

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		Revisi		

4 Perancangan Detil

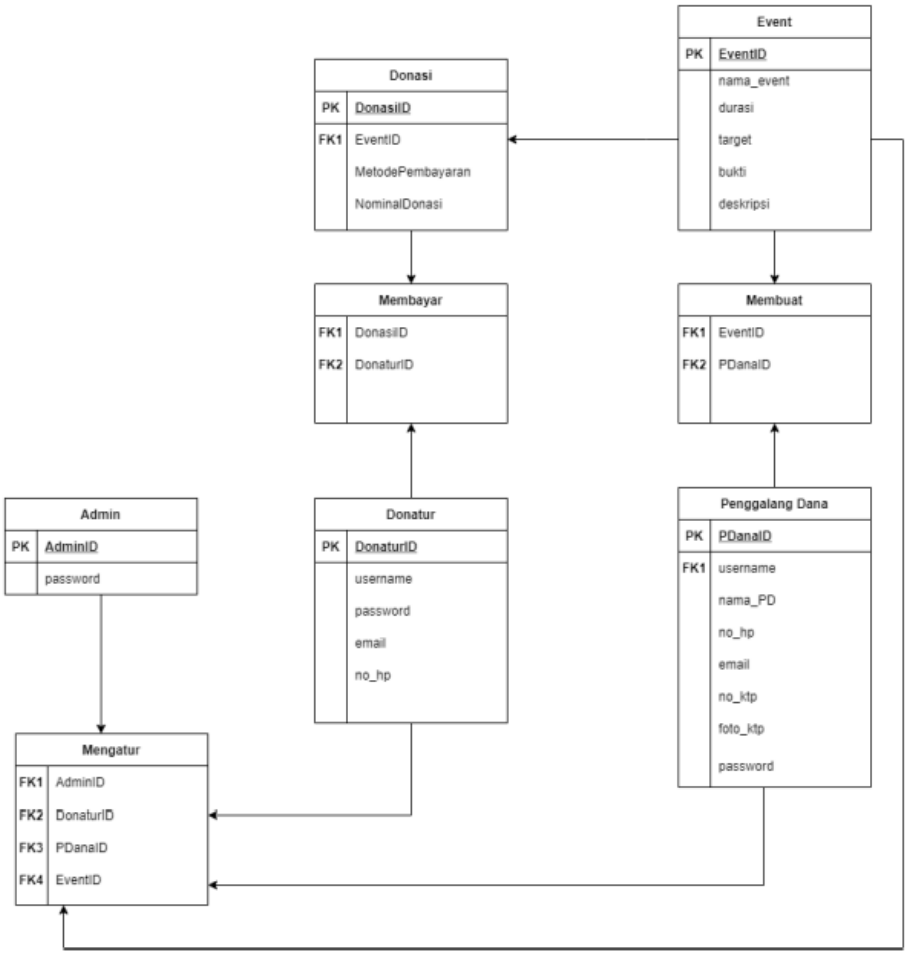
4.1 Perancangan Detil Kelas

TABEL KELAS :

ID Kelas	Nama Kelas Perancangan	Atribute (visibility)	Method / Operation
I01	Halaman Login	Public	loginOnClick()
		Public	showHalamanLogin()
		Public	requestHalamanLogin()
		Public	inputUsername()
		Public	inputPassword()
I02	Halaman Input Event	Public	inputData()
		Public	buatOnClick()
		Public	kembaliOnClick()
		Public	requestBuatEvent()
		Public	requestKembali()
I03	Halaman Cari Event	Public	inputSearch()
		Public	showSearch()
		Public	requestSearch()
		Public	searchOnClick()
		Public	showHalamanInputEvent()
		Public	requestHalamanInputEvent()
		Public	showHalamanUtama()
I04	Halaman Input Donasi	Public	submitOnClick()
		Public	showHalamanInputEvent()
		Public	requestHalamanInputEvent()
		Public	inputDataDonasi()
I05	Halaman Riwayat	Public	requestDataRiwayat()
		Public	tampilDataRiwayat()
I06	Halaman Registrasi	Public	submitOnClick()
		Public	showHalamanRegist()
		Public	requestHalamanRegist()
		Public	inputDataRegist()
I07	Halaman Utama	Public	riwayatOnCariEalick()
		Public	showHalamanRiwayat()
		Public	requestHalamanRiwayat()
		Public	cariEventOnClick()
		Public	showHalamanCariEvent()
		Public	requestHalamanCariEvent()
		Public	showHalamanUtama()
I07	Halaman Welcome	Public	loginOnClick()
		Public	showHalamanLogin()
		Public	requestHalamanLogin()
		Public	showHalamanWelcome()
		Public	registOnClick()
		Public	showHalamanRegist()
		Public	requestHalamanRegist()
		Public	showHalamanUtama()
108	Halaman Edit Event	Public	inputData()
		Public	ubahOnClick()
		Public	batalOnClick()
		Public	requestEditEvent()
		Public	requestBatal()
109	Halaman Delete Event	Public	inputData()
		Public	kembaliOnClick()
		Public	deleteOnClick()
		Public	requestDeleteEvent()
		Public	requestKembali()
110	Halaman Verifikasi Event	Public	verifEventOnClick()
		Public	reqHalVerifEvent()

		Public	showHalVerifEvent()
		Public	tampilDataVerifEvent()
		Public	ambilDataVerifEvent()
111	Halaman Verifikasi Akun	Public	verifAkunOnClick()
		Public	showHalVerifAkun()
		Public	reqHalVerifAkun()
		Public	ambilDataVerifAkun()
		Public	tampilDataVerifAkun()
C01	Validasi	Public	insertDatatoDatabase()
		Public	processData()
		Public	insertBerhasil()
		Public	insertGagal()
		Public	showLoginBerhasil()
		Public	showLoginGagal()
		Public	prosesBuatEvent()
		Public	tampilError()
		Public	validasiData()
		Public	insertDataDonasi()
		Public	processData()
		Public	insertBerhasil()
		Public	insertGagal()
		Public	showDonasiBerhasil()
		Public	showDonasiGagal()
		Public	DataFound()
		Public	DataNotFound()
		Public	showDataBerhasil()
		Public	ShowDataGagal()
		Public	insertDataRegist()
		Public	showRegistBerhasil()
		Public	showRegistGagal()
C02	Input Event	Public	tampilHalamanInputEvent()
		Public	tampilHalamanUtama()
		Public	insertEvent()
C03	Riwayat	Public	ambildataRiwayat()

4.2 Perancangan Kelas Persistensi (***Basis Data Skema Tabel)



4.3 Perancangan Algoritma

4.3.1 Algoritma #1

Contoh:

Nama Kelas : Halaman Input Event

Nama Operasi : inputData()

Algoritma :

```
String namaEvent = txtNama.getText();
String durasiEvent = txtDurasi.getText();
String targetDonasi = txtTarget.getText();
String buktiEvent = txtBukti.getText();
String deskripsiEvent = txtDeskripsi.getText();
```

4.3.2 Algoritma #2

Contoh :

Nama Kelas : Halaman Input Donasi

Nama Operasi : inputDataDonasi()

Algoritma :

```
String nomDonasi = “”;
String metode = “”;
If (cbNom1.isSelected()){
        nomDonasi = “10.000”;
} else if (cbNom2.isSelected()){
        nomDonasi = “20.000”;
} else if (cbNom3.isSelected()){
        nomDonasi = “50.000”;
} else if (cbNom4.isSelected()){
        NomDonasi = txtNominal.getText();
}
If (cbNom5.isSelected()){
        metode = “GoPay”;
} else if (cbNom6.isSelected()){
        metode = “LinkAja!”;
} else if (cbNom7.isSelected()){
        metode = “OVO”;
} else if (cbNom8.isSelected()){
        metode = “Dana”;
```

4.4 Perancangan Query

No Query	*Query*	*Keterangan*
Q-001	*SELECT username, password from*	*Melakukan pengembalian data username dan password*

	table_useDonatur WHERE username like A.getUsername() and password like A.getPassword();	*dari database untuk digunakan dalam validasi Ketika melakukan login Donatur*
Q-002	*SELECT username, password from table_PDana WHERE username like A.getUsername() and password like A.getPassword();*	*Melakukan pengembalian data username dan password dari database untuk digunakan dalam validasi Ketika melakukan login Penggalang Dana*
Q-003	*INSERT INTO registrasi_Donatur VALUES('$username', '$no_hp', '$email', '$password',*	*Meningputkan data registrasi ke table registrasi donatur*
Q-004	*INSERT INTO registrasi_PGDana VALUES('$username', '$nama_lengkap' '$no_hp', '$email', '$no_ktp', '$password',*	*Meningputkan data registrasi ke table registrasi penggalang dana*
Q-005	*INSERT INTO event VALUES('$nama_event', '$durasi_event', '$target_donasi'. '$bukti_event', '$deskripsi'*	*Menginput data event baru oleh penggalang dana*
Q-006	*SELECT nama_event from event WHERE nama_event = <nama_event>*	*Mencari event dari inputan donatur*
Q-007	*INSERT INTO donasi VALUES('$nama_event', '$nominal_donasi', '$metode_bayar'*	*Input Donasi oleh donatur*
Q-008	*SELECT * from event*	*Melihat Riwayat event Penggalang Dana*
Q-009	*SELECT * from donasi*	*Melihat Riwayat transaksi donatur*