TUGAS KELOMPOK BASIS DATA

LAPORAN TAHAP I IMPLEMENTASI BASIS DATA



Disusun oleh:

Arri Kurniawan	1606954735
Budi Indrawan	1606954754
Fadly Muhammad Ridho	1606954792
Riyandi Eko Pambudi	1406649403

Program Studi S1 Ekstensi Sistem Informasi Fakultas Ilmu Komputer Universitas Indonesia 2017

A. DDL script table

CREATE SCHEMA SIRIMA;

```
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
                                                                                                               X
sirima-g5::DATABASE=> CREATE SCHEMA SIRIMA;
CREATE SCHEMA
sirima-g5::DATABASE=>
```

SET search_path to SIRIMA;

```
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
                                                                                       ×
sirima-g5::DATABASE=> SET search_path to SIRIMA;
SET
sirima-g5::DATABASE=>
```

```
CREATE TABLE AKUN (
username VARCHAR(50) NOT NULL,
role BOOLEAN NOT NULL,
password VARCHAR(20) NOT NULL,
PRIMARY KEY (username)
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE AKUN (
sirima-g5::DATABASE(> username VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> role BOOLEAN NOT NULL,
sirima-g5::DATABASE(> password VARCHAR(20) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (username)
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

```
CREATE TABLE PERIODE_PENERIMAAN (
nomor SMALLINT NOT NULL,
tahun CHAR(4) NOT NULL,
PRIMARY KEY (nomor, tahun)
);
```

```
X
  npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PERIODE_PENERIMAAN (
sirima-g5::DATABASE(> nomor SMALLINT NOT NULL,
sirima-g5::DATABASE(> tahun CHAR(4) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (nomor, tahun)
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

```
CREATE TABLE JENJANG (
nama CHAR(2) NOT NULL,
PRIMARY KEY (nama)
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE JENJANG (
sirima-g5::DATABASE(> nama CHAR(2) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (nama)
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE JADWAL_PENTING (
nomor SMALLINT NOT NULL,
tahun CHAR(4) NOT NULL,
jenjang CHAR(2) NOT NULL,
waktu_mulai TIMESTAMP NOT NULL,
waktu_selesai TIMESTAMP NOT NULL,
deskripsi VARCHAR(150) NOT NULL,
PRIMARY KEY (nomor, tahun, jenjang, waktu_mulai),

FOREIGN KEY (nomor, tahun) REFERENCES
PERIODE_PENERIMAAN(nomor, tahun) ON UPDATE CASCADE ON DELETE
CASCADE,

FOREIGN KEY (jenjang) REFERENCES JENJANG(nama) ON UPDATE CASCADE ON DELETE CASCADE

);

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE JADWAL_PENTING (
sirima-g5::DATABASE(> nomor SMALLINT NOT NULL,
sirima-g5::DATABASE(> tahun CHAR(4) NOT NULL,
sirima-g5::DATABASE(> jenjang CHAR(2) NOT NULL,
sirima-g5::DATABASE(> waktu_mulai TIMESTAMP NOT NULL,
sirima-g5::DATABASE(> waktu_selesai TIMESTAMP NOT NULL,
sirima-g5::DATABASE(> deskripsi VARCHAR(150) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (nomor, tahun, jenjang, waktu_mulai),
sirima-g5::DATABASE(> FOREIGN KEY (nomor, tahun) REFERENCES PERIODE_PENERIMAAN(nomo
 ,tahun) ON UPDATE CASCADE ON DELETE CASCADE,
sirima-g5::DATABASE(> FOREIGN KEY (jenjang) REFERENCES JENJANG(nama) ON UPDATE CASC
ADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PROGRAM_STUDI (
kode SERIAL NOT NULL,
nama VARCHAR(100) NOT NULL,
jenis kelas VARCHAR(50) NOT NULL,

```
nama_fakultas VARCHAR(50) NOT NULL,
jenjang CHAR(2) NOT NULL,
PRIMARY KEY (kode),
FOREIGN KEY (jenjang) REFERENCES JENJANG(nama) ON UPDATE
CASCADE ON DELETE CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PROGRAM_STUDI (
sirima-g5::DATABASE(> kode SERIAL NOT NULL,
sirima-g5::DATABASE(> nama VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> jenis_kelas VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> nama_fakultas VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> jenjang CHAR(2) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (kode),
sirima-g5::DATABASE(> FOREIGN KEY (jenjang) REFERENCES JENJANG(nama) ON UPDATE CASC
ADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENERIMAAN_PRODI (nomor_periode INT NOT NULL, tahun_periode CHAR(4) NOT NULL, kode prodi INT NOT NULL,

```
kuota INT NOT NULL,
jumlah_pelamar INT,
jumlah_diterima INT,
PRIMARY KEY (nomor_periode, tahun_periode, kode_prodi),
FOREIGN KEY (nomor_periode, tahun_periode) REFERENCES
PERIODE_PENERIMAAN(nomor, tahun) ON UPDATE CASCADE ON DELETE
CASCADE,
FOREIGN KEY (kode_prodi) REFERENCES PROGRAM_STUDI(kode) ON
UPDATE CASCADE ON DELETE CASCADE
```

UPDATE CASCADE ON DELETE CASCADE
);

Image: npm-heroku pg:psql postgresql-horizontal-15316--app sirima-g5

irima-g5::DATABASE=> CREATE TABLE PENERIMAAN_PRODI (
sirima-g5::DATABASE(> nomor_periode INT NOT NULL,
sirima-g5::DATABASE(> tahun_periode CHAR(4) NOT NULL,
sirima-g5::DATABASE(> kode_prodi INT NOT NULL,
sirima-g5::DATABASE(> kuota INT NOT NULL,
sirima-g5::DATABASE(> kuota INT NOT NULL,
sirima-g5::DATABASE(> jumlah_pelamar INT,

X

sirima-g5::DATABASE() jumlah_pelamar INT, sirima-g5::DATABASE() jumlah_diterima INT, sirima-g5::DATABASE() pumlah_diterima INT, sirima-g5::DATABASE() PRIMARY KEY (nomor_periode, tahun_periode, kode_prodi), sirima-g5::DATABASE() FOREIGN KEY (nomor_periode, tahun_periode) REFERENCES PERIODE _PENERIMAAN(nomor, tahun) ON UPDATE CASCADE ON DELETE CASCADE, sirima-g5::DATABASE(> FOREIGN KEY (kode prodi) REFERENCES PROGRAM STUDI(kode) ON UP DATE CASCADE ON DELETE CASCADE sirima-g5::DATABASE(>); CREATE TABLE sirima-g5::DATABASE=>

```
CREATE TABLE PELAMAR (
username VARCHAR(50) NOT NULL,
nama_lengkap VARCHAR(100) NOT NULL,
alamat TEXT NOT NULL,
jenis_kelamin CHAR(1) NOT NULL,
tanggal_lahir DATE NOT NULL,
no_ktp CHAR(16) NOT NULL,
email VARCHAR(100) UNIQUE NOT NULL,
PRIMARY KEY (username),
FOREIGN KEY (username) REFERENCES AKUN(username) ON UPDATE
CASCADE ON DELETE CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PELAMAR (
sirima-g5::DATABASE(> username VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> nama_lengkap VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> alamat TEXT NOT NULL,
sirima-g5::DATABASE(> jenis_kelamin CHAR(1) NOT NULL,
sirima-g5::DATABASE(> tanggal_lahir DATE NOT NULL,
sirima-g5::DATABASE(> no_ktp CHAR(16) NOT NULL,
sirima-g5::DATABASE(> email VARCHAR(100) UNIQUE NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (username),
sirima-g5::DATABASE(> FOREIGN KEY (username) REFERENCES AKUN(username) ON UPDATE CA
SCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENDAFTARAN (id SERIAL NOT NULL, status_lulus BOOLEAN NOT NULL DEFAULT FALSE, status_verifikasi BOOLEAN NOT NULL DEFAULT FALSE, npm CHAR(10) NOT NULL, pelamar VARCHAR(50) NOT NULL, nomor_periode SMALLINT NOT NULL, tahun_periode CHAR(4) NOT NULL, PRIMARY KEY (id),

FOREIGN KEY (pelamar) REFERENCES PELAMAR(username) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (nomor_periode, tahun_periode) REFERENCES
PERIODE_PENERIMAAN(nomor, tahun) ON UPDATE CASCADE ON DELETE
CASCADE

);

```
X
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENDAFTARAN (
sirima-g5::DATABASE(> id SERIAL NOT NULL,
sirima-g5::DATABASE(> status_lulus BOOLEAN NOT NULL DEFAULT FALSE,
sirima-g5::DATABASE(> status_verifikasi BOOLEAN NOT NULL DEFAULT FALSE, sirima-g5::DATABASE(> npm CHAR(10) NOT NULL,
sirima-g5::DATABASE(> pelamar VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> nomor_periode SMALLINT NOT NULL,
sirima-g5::DATABASE(> tahun_periode CHAR(4) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (id),
sirima-g5::DATABASE(> FOREIGN KEY (pelamar) REFERENCES PELAMAR(username) ON UPDATE
CASCADE ON DELETE CASCADE,
sirima-g5::DATABASE(> FOREIGN KEY (nomor_periode, tahun_periode) REFERENCES PERIODE
PENERIMAAN(nomor, tahun) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENDAFTARAN_UUI (id_pendaftaran INT NOT NULL, rapot VARCHAR(100) NOT NULL, surat rekomendasi VARCHAR(100) NOT NULL,

```
asal_sekolah VARCHAR(100) NOT NULL,
jenis_sma VARCHAR(50) NOT NULL,
alamat_sekolah TEXT NOT NULL,
nisn VARCHAR(10) NOT NULL,
tgl_lulus DATE NOT NULL,
nilai_uan NUMERIC(10,2) NOT NULL,
PRIMARY KEY (id_pendaftaran),
FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN(id) ON
UPDATE CASCADE ON DELETE CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENDAFTARAN UUI (
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> rapot VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> surat_rekomendasi VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> asal_sekolah VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> jenis_sma VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> alamat_sekolah TEXT NOT NULL,
sirima-g5::DATABASE(> nisn VARCHAR(10) NOT NULL,
sirima-g5::DATABASE(> tgl_lulus DATE NOT NULL,
sirima-g5::DATABASE(> nilai_uan NUMERIC(10,2) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (id_pendaftaran),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN(id) ON UP
DATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

```
CREATE TABLE REKOMENDASI (

tgl_review DATE NOT NULL,

id_pendaftaran INT NOT NULL,

status BOOLEAN NOT NULL,

nilai INT NOT NULL,

komentar TEXT NOT NULL,

PRIMARY KEY (tgl_review, id_pendaftaran),

FOREIGN KEY (id_pendaftaran) REFERENCES

PENDAFTARAN_UUI(id_pendaftaran) ON UPDATE CASCADE ON DELETE

CASCADE

);

npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
```

```
X
sirima-g5::DATABASE=> CREATE TABLE REKOMENDASI (
sirima-g5::DATABASE(> tgl_review DATE NOT NULL,
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> status BOOLEAN NOT NULL,
sirima-g5::DATABASE(> nilai INT NOT NULL,
sirima-g5::DATABASE(> komentar TEXT NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (tgl_review, id_pendaftaran),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN_UUI(id_pe
ndaftaran) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=> _
```

```
CREATE TABLE LOKASI_UJIAN (
kota VARCHAR(100) NOT NULL,
tempat VARCHAR(150) NOT NULL,
nomor_periode SMALLINT NOT NULL,
tahun_periode CHAR(4) NOT NULL,
jenjang CHAR(2) NOT NULL,
waktu_awal TIMESTAMP NOT NULL,
PRIMARY KEY (kota, tempat),
FOREIGN KEY (nomor_periode, tahun_periode, jenjang, waktu_awal)
REFERENCES JADWAL_PENTING(nomor, tahun, jenjang, waktu_mulai) ON
UPDATE CASCADE ON DELETE CASCADE
);
```

```
X
  npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE LOKASI_UJIAN (
sirima-g5::DATABASE(> kota VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> tempat VARCHAR(150) NOT NULL,
sirima-g5::DATABASE(> nomor_periode SMALLINT NOT NULL,
sirima-g5::DATABASE(> tahun_periode CHAR(4) NOT NULL,
sirima-gs..DATABASE(> tanun_periode than(4) NoT NOLL,
sirima-gs::DATABASE(> jenjang CHAR(2) NOT NULL,
sirima-g5::DATABASE(> waktu_awal TIMESTAMP NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (kota, tempat),
sirima-g5::DATABASE(> FOREIGN KEY (nomor_periode, tahun_periode, jenjang, waktu_awa
l) REFERENCES JADWAL_PENTING(nomor, tahun, jenjang, waktu_mulai) ON UPDATE CASCADE
ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENDAFTARAN_SEMAS (id_pendaftaran INT NOT NULL, status_hadir BOOLEAN NOT NULL, nilai_ujian INT NOT NULL, no_kartu_ujian CHAR(10) NOT NULL, lokasi_kota VARCHAR(100) NOT NULL, lokasi_tempat VARCHAR(150) NOT NULL, PRIMARY KEY (id_pendaftaran), FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN(id) ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (lokasi_kota, lokasi_tempat) REFERENCES LOKASI_UJIAN(kota, tempat) ON UPDATE CASCADE ON DELETE CASCADE);

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENDAFTARAN SEMAS (
sirima-g5::DATABASE(> id pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> status_hadir BOOLEAN NOT NULL,
sirima-g5::DATABASE(> nilai_ujian INT NOT NULL,
sirima-g5::DATABASE(> no_kartu_ujian CHAR(10) NOT NULL,
sirima-g5::DATABASE(> lokasi_kota VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> lokasi_tempat VARCHAR(150) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (id_pendaftaran),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN(id) ON UP
DATE CASCADE ON DELETE CASCADE,
sirima-g5::DATABASE(> FOREIGN KEY (lokasi_kota, lokasi_tempat) REFERENCES LOKASI_UJ
IAN(kota, tempat) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENDAFTARAN_SEMAS_SARJANA (id_pendaftaran INT NOT NULL, asal_sekolah VARCHAR(100) NOT NULL, jenis_sma VARCHAR(50) NOT NULL, alamat_sekolah TEXT NOT NULL, nisn VARCHAR(10) NOT NULL, tgl lulus DATE NOT NULL,

```
nilai_uan NUMERIC(10,2) NOT NULL,
PRIMARY KEY (id_pendaftaran),
FOREIGN KEY (id_pendaftaran) REFERENCES
PENDAFTARAN_SEMAS(id_pendaftaran) ON UPDATE CASCADE ON DELETE
CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENDAFTARAN_SEMAS_SARJANA (
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> asal_sekolah VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> jenis_sma VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> alamat_sekolah TEXT NOT NULL,
sirima-g5::DATABASE(> nisn VARCHAR(10) NOT NULL,
sirima-g5::DATABASE(> tgl_lulus DATE NOT NULL,
sirima-g5::DATABASE(> nilai_uan NUMERIC(10,2) NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (id_pendaftaran),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN_SEMAS(id_
pendaftaran) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::ĎATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=> 🕳
```

```
CREATE TABLE PENDAFTARAN_SEMAS_PASCASARJANA (
id_pendaftaran INT NOT NULL,
nilai_tpa INT NOT NULL,
nilai toefl INT NOT NULL,
```

```
jenjang terakhir CHAR(2) NOT NULL,
 asal univ VARCHAR(100) NOT NULL,
 alamat_univ TEXT NOT NULL,
 prodi terakhir VARCHAR(10) NOT NULL,
 nilai_ipk NUMERIC(10,2) NOT NULL,
 no ijazah VARCHAR(50) NOT NULL,
 tgl lulus DATE NOT NULL,
 jenjang CHAR(2) NOT NULL,
 nama rekomender VARCHAR(100),
 prop penelitian VARCHAR(100),
 PRIMARY KEY (id pendaftaran),
 FOREIGN KEY (id_pendaftaran) REFERENCES
PENDAFTARAN SEMAS(id pendaftaran) ON UPDATE CASCADE ON DELETE
CASCADE,
 FOREIGN KEY (jenjang terakhir) REFERENCES JENJANG(nama) ON
UPDATE CASCADE ON DELETE CASCADE,
 FOREIGN KEY (jenjang) REFERENCES JENJANG(nama) ON UPDATE
CASCADE ON DELETE CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENDAFTARAN_SEMAS_PASCASARJANA (
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> nilai_tpa INT NOT NULL,
sirima-g5::DATABASE(> nilai_toefl INT NOT NULL,
sirima-g5::DATABASE(> jenjang_terakhir CHAR(2) NOT NULL,
sirima-g5::DATABASE(> asal_univ VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> alamat_univ TEXT NOT NULL,
sirima-g5::DATABASE(> prodi_terakhir VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> nilai_ipk NUMERIC(10,2) NOT NULL,
sirima-g5::DATABASE(> no_ijazah VARCHAR(50) NOT NULL,
sirima-g5::DATABASE(> tgl lulus DATE NOT NULL,
sirima-g5::DATABASE(> jenjang CHAR(2) NOT NULL,
sirima-g5::DATABASE(> nama_rekomender VARCHAR(100),
sirima-g5::DATABASE(> prop_penelitian VARCHAR(100),
sirima-g5::DATABASE(> PRIMARY KEY (id_pendaftaran),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN_SEMAS(id_
pendaftaran) ON UPDATE CASCADE ON DELETE CASCADE,
sirima-g5::DATABASE(> FOREIGN KEY (jenjang_terakhir) REFERENCES JENJANG(nama) ON UP
DATE CASCADE ON DELETE CASCADE,
sirima-g5::DATABASE(> FOREIGN KEY (jenjang) REFERENCES JENJANG(nama) ON UPDATE CASC
ADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

```
CREATE TABLE PEMBAYARAN (
id SERIAL NOT NULL,
waktu_bayar TIMESTAMP NOT NULL,
jumlah_bayar NUMERIC(10,2) NOT NULL,
id_pendaftaran INT NOT NULL,
PRIMARY KEY (id),
FOREIGN KEY (id_pendaftaran) REFERENCES
PENDAFTARAN_SEMAS(id_pendaftaran) ON UPDATE CASCADE ON DELETE
CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PEMBAYARAN (
sirima-g5::DATABASE(> id SERIAL NOT NULL,
sirima-g5::DATABASE(> waktu_bayar TIMESTAMP NOT NULL,
sirima-g5::DATABASE(> jumlah_bayar NUMERIC(10,2) NOT NULL,
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (id),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN_SEMAS(id_
pendaftaran) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

```
CREATE TABLE RUANG_UJIAN (
   kota VARCHAR(100) NOT NULL,
   tempat VARCHAR(150) NOT NULL,
   id SMALLINT NOT NULL,
   PRIMARY KEY (kota, tempat, id),
   FOREIGN KEY (kota, tempat) REFERENCES LOKASI_UJIAN(kota, tempat)
ON UPDATE CASCADE ON DELETE CASCADE
);
```

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE RUANG_UJIAN (
sirima-g5::DATABASE(> kota VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> tempat VARCHAR(150) NOT NULL,
sirima-g5::DATABASE(> id SMALLINT NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (kota, tempat, id),
sirima-g5::DATABASE(> FOREIGN KEY (kota, tempat) REFERENCES LOKASI_UJIAN(kota, temp
at) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENGAWAS (nomor_induk VARCHAR(16) NOT NULL, nama VARCHAR(100) NOT NULL, no_telp TEXT NOT NULL, lokasi_kota VARCHAR(100) NOT NULL, lokasi_tempat VARCHAR(150) NOT NULL, lokasi_id SMALLINT NOT NULL,

PRIMARY KEY (nomor induk),

FOREIGN KEY (lokasi_kota, lokasi_tempat, lokasi_id) REFERENCES RUANG_UJIAN(kota, tempat, id) ON UPDATE CASCADE ON DELETE CASCADE

);

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENGAWAS (
sirima-g5::DATABASE(> nomor_induk VARCHAR(16) NOT NULL,
sirima-g5::DATABASE(> nama VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> no_telp TEXT NOT NULL,
sirima-g5::DATABASE(> lokasi_kota VARCHAR(100) NOT NULL,
sirima-g5::DATABASE(> lokasi_tempat VARCHAR(150) NOT NULL,
sirima-g5::DATABASE(> lokasi_id SMALLINT NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (nomor_induk),
sirima-g5::DATABASE(> FOREIGN KEY (lokasi_kota, lokasi_tempat, lokasi_id) REFERENCE
S RUANG_UJIAN(kota, tempat, id) ON UPDATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
```

CREATE TABLE PENDAFTARAN_PRODI (id_pendaftaran INT NOT NULL, kode_prodi INT NOT NULL, status_lulus BOOLEAN NOT NULL, PRIMARY KEY (id_pendaftaran, kode_prodi),

FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN(id) ON UPDATE CASCADE ON DELETE CASCADE, FOREIGN KEY (kode_prodi) REFERENCES PROGRAM_STUDI(kode) ON UPDATE CASCADE ON DELETE CASCADE

);

```
X
 npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE TABLE PENDAFTARAN PRODI (
sirima-gs::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> id_pendaftaran INT NOT NULL,
sirima-g5::DATABASE(> kode_prodi INT NOT NULL,
sirima-g5::DATABASE(> status_lulus BOOLEAN NOT NULL,
sirima-g5::DATABASE(> PRIMARY KEY (id_pendaftaran, kode_prodi),
sirima-g5::DATABASE(> FOREIGN KEY (id_pendaftaran) REFERENCES PENDAFTARAN(id) ON UP
DATE CASCADE ON DELETE CASCADE,
sirima-g5::DATABASE(> FOREIGN KEY (kode_prodi) REFERENCES PROGRAM_STUDI(kode) ON UP
DATE CASCADE ON DELETE CASCADE
sirima-g5::DATABASE(> );
CREATE TABLE
sirima-g5::DATABASE=>
sirima-g5::DATABASE=>
```

B. DDL script trigger/stored procedure

CREATE OR REPLACE FUNCTION hitung_pelamar()
RETURNS trigger AS
\$\$

```
BEGIN
 IF (TG OP = 'INSERT') THEN
      UPDATE PENERIMAAN PRODI PNP
           SET jumlah pelamar = (coalesce(jumlah pelamar, 0) + 1)
      FROM PERIODE PENERIMAAN PRP
           JOIN PENDAFTARAN P
                ON P.NOMOR PERIODE = PRP.NOMOR
                      AND P.TAHUN PERIODE = PRP.TAHUN
           WHERE PRP.NOMOR = PNP.NOMOR PERIODE
                AND PRP.TAHUN = PNP.TAHUN PERIODE
                AND P.ID = NEW.ID PENDAFTARAN
                AND PNP.KODE PRODI = NEW.kode prodi;
 ELSEIF (TG OP = 'UPDATE') THEN
      UPDATE PENERIMAAN PRODI PNP
           SET jumlah pelamar = (coalesce(jumlah pelamar, 0) + 1)
      FROM PERIODE PENERIMAAN PRP
           JOIN PENDAFTARAN P
                ON P.NOMOR PERIODE = PRP.NOMOR
                      AND P.TAHUN PERIODE = PRP.TAHUN
           WHERE PRP.NOMOR = PNP.NOMOR PERIODE
                AND PRP.TAHUN = PNP.TAHUN PERIODE
                AND P.ID = NEW.ID PENDAFTARAN
                AND PNP.KODE PRODI = NEW.kode prodi;
      UPDATE PENERIMAAN PRODI PNP
           SET jumlah pelamar = (jumlah pelamar - 1)
      FROM PERIODE PENERIMAAN PRP
           JOIN PENDAFTARAN P
                ON P.NOMOR PERIODE = PRP.NOMOR
                      AND P.TAHUN PERIODE = PRP.TAHUN
           WHERE PRP.NOMOR = PNP.NOMOR PERIODE
                AND PRP.TAHUN = PNP.TAHUN PERIODE
                AND P.ID = OLD.ID PENDAFTARAN
                AND PNP.KODE PRODI = OLD.kode prodi;
 ELSEIF (TG OP = 'DELETE') THEN
```

UPDATE PENERIMAAN PRODI PNP

FROM PERIODE_PENERIMAAN PRP
JOIN PENDAFTARAN P

SET jumlah pelamar = (jumlah_pelamar - 1)

ON P.NOMOR PERIODE = PRP.NOMOR

WHERE PRP.NOMOR = PNP.NOMOR PERIODE

AND P.TAHUN PERIODE = PRP.TAHUN

AND PRP.TAHUN = PNP.TAHUN_PERIODE AND P.ID = OLD.ID_PENDAFTARAN AND PNP.KODE_PRODI = OLD.kode_prodi;

END IF; RETURN NEW;

END;

\$\$

LANGUAGE plpgsql;

```
npm - heroku pg:psgl postgresgl-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> CREATE OR REPLACE FUNCTION hitung_pelamar()
sirima-g5::DATABASE-> RETURNS trigger AS
sirima-g5::DATABASE-> $$
sirima-g5::DATABASE$> BEGIN
sirima-g5::DATABASE$> IF (TG_OP = 'INSERT') THEN
sirima-g5::DATABASE$> UPDATE PENERIMAAN PRODI PNP
sirima-g5::DATABASE$> SET jumlah_pelamar = (coalesce(jumlah_pelamar,0) + 1)
sirima-g5::DATABASE$> FROM PERIODE PENERIMAAN PRP
sirima-g5::DATABASE$> JOIN PENDAFTARAN P
sirima-g5::DATABASE$> ON P.NOMOR_PERIODE = PRP.NOMOR
sirima-g5::DATABASE$> AND P.TAHUN_PERIODE = PRP.TAHUN
sirima-g5::DATABASE$> WHERE PRP.NOMOR = PNP.NOMOR PERIODE
sirima-g5::DATABASE$> AND PRP.TAHUN = PNP.TAHUN_PERIODE
sirima-g5::DATABASE$> AND P.ID = NEW.ID PENDAFTARAN
sirima-g5::DATABASE$> AND PNP.KODE_PRODI = NEW.kode_prodi;
sirima-g5::DATABASE$> ELSEIF (TG OP = 'UPDATE') THEN
sirima-g5::DATABASE$> UPDATE PENERIMAAN PRODI PNP
sirima-g5::DATABASE$> SET jumlah pelamar = (coalesce(jumlah pelamar,0) + 1)
sirima-g5::DATABASE$> FROM PERIODE PENERIMAAN PRP
sirima-g5::DATABASE$> JOIN PENDAFTARAN P
sirima-g5::DATABASE$> ON P.NOMOR PERIODE = PRP.NOMOR
sirima-g5::DATABASE$> AND P.TAHUN_PERIODE = PRP.TAHUN
sirima-g5::DATABASE$> WHERE PRP.NOMOR = PNP.NOMOR_PERIODE
sirima-g5::DATABASE$> AND PRP.TAHUN = PNP.TAHUN PERIODE
sirima-g5::DATABASE$> AND P.ID = NEW.ID PENDAFTARAN
sirima-g5::DATABASE$> AND PNP.KODE_PRODI = NEW.kode_prodi;
sirima-g5::DATABASE$>
sirima-g5::DATABASE$> UPDATE PENERIMAAN_PRODI PNP
sirima-g5::DATABASE$> SET jumlah_pelamar = (jumlah_pelamar - 1)
sirima-g5::DATABASE$> FROM PERIODE PENERIMAAN PRP
sirima-g5::DATABASE$> JOIN PENDAFTARAN P
sirima-g5::DATABASE$> ON P.NOMOR PERIODE = PRP.NOMOR
sirima-g5::DATABASE$> AND P.TAHUN_PERIODE = PRP.TAHUN
sirima-g5::DATABASE$> WHERE PRP.NOMOR = PNP.NOMOR PERIODE
sirima-g5::DATABASE$> AND PRP.TAHUN = PNP.TAHUN_PERIODE
sirima-g5::DATABASE$> AND P.ID = OLD.ID PENDAFTARAN
sirima-g5::DATABASE$> AND PNP.KODE_PRODI = OLD.kode_prodi;
sirima-g5::DATABASE$> ELSEIF (TG_OP = 'DELETE') THEN
sirima-g5::DATABASE$> UPDATE PENERIMAAN_PRODI PNP
sirima-g5::DATABASE$> SET jumlah_pelamar = (jumlah_pelamar - 1)
sirima-g5::DATABASE$> FROM PERIODE PENERIMAAN PRP
sirima-g5::DATABASE$> JOIN PENDAFTARAN P
sirima-g5::DATABASE$> ON P.NOMOR PERIODE = PRP.NOMOR
sirima-g5::DATABASE$> AND P.TAHUN_PERIODE = PRP.TAHUN
sirima-g5::DATABASE$> WHERE PRP.NOMOR = PNP.NOMOR PERIODE
sirima-g5::DATABASE$> AND PRP.TAHUN = PNP.TAHUN_PERIODE
sirima-g5::DATABASE$> AND P.ID = OLD.ID_PENDAFTARAN
sirima-g5::DATABASE$> AND PNP.KODE_PRODI = OLD.kode_prodi;
sirima-g5::DATABASE$> END IF;
sirima-g5::DATABASE$> RETURN NEW;
sirima-g5::DATABASE$> END;
sirima-g5::DATABASE$> $$
sirima-g5::DATABASE-> LANGUAGE plpgsql;
CREATE FUNCTION
sirima-g5::DATABASE=>
```

X

CREATE TRIGGER hitung_pelamar_trigger AFTER INSERT OR UPDATE OR DELETE ON PENDAFTARAN_PRODI FOR EACH ROW EXECUTE PROCEDURE hitung_pelamar();

```
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
                                                                                   X
sirima-g5::DATABASE=> CREATE TRIGGER hitung_pelamar_trigger
sirima-g5::DATABASE-> AFTER INSERT OR UPDATE OR DELETE
sirima-g5::DATABASE-> ON PENDAFTARAN_PRODI FOR EACH ROW
sirima-g5::DATABASE-> EXECUTE PROCEDURE hitung_pelamar();
CREATE TRIGGER
sirima-g5::DATABASE=>
```

CREATE OR REPLACE FUNCTION hitung_pelamar_diterima()
RETURNS trigger AS
\$\$
DECLARE
jumlah_lulus INT;

```
BEGIN
 SELECT COUNT(PP.status lulus) INTO jumlah lulus
  FROM PENDAFTARAN PRODI PP
  WHERE PP.ID PENDAFTARAN = NEW.ID PENDAFTARAN
  AND PP.status lulus = TRUE;
 IF (TG OP = 'UPDATE') THEN
      IF(NEW.status lulus IS TRUE AND OLD.status lulus IS FALSE) THEN
            IF(jumlah lulus = 1) THEN
                 UPDATE PENERIMAAN PRODI PNP
                       SET jumlah diterima = (coalesce(jumlah diterima,0) +
1)
                 FROM PERIODE PENERIMAAN PRP
                       JOIN PENDAFTARAN P
                             ON P.NOMOR PERIODE = PRP.NOMOR
                                  AND P.TAHUN PERIODE =
PRP.TAHUN
                       WHERE PRP.NOMOR = PNP.NOMOR PERIODE
                             AND PRP.TAHUN = PNP.TAHUN PERIODE
                             AND P.ID = NEW.ID PENDAFTARAN
                             AND PNP.KODE PRODI = NEW.kode prodi;
            ELSE
                 RAISE EXCEPTION 'Error: status lulus untuk
id pendaftaran yang sama maksimal berjumlah 1';
            END IF;
      ELSEIF(NEW.status lulus IS FALSE AND OLD.status lulus IS TRUE)
THEN
            UPDATE PENERIMAAN PRODI PNP
                 SET jumlah diterima = (jumlah diterima - 1)
            FROM PERIODE PENERIMAAN PRP
                 JOIN PENDAFTARAN P
                       ON P.NOMOR PERIODE = PRP.NOMOR
                             AND P.TAHUN PERIODE = PRP.TAHUN
                 WHERE PRP.NOMOR = PNP.NOMOR PERIODE
                       AND PRP.TAHUN = PNP.TAHUN PERIODE
                       AND P.ID = NEW.ID PENDAFTARAN
                       AND PNP.KODE PRODI = NEW.kode prodi;
      END IF;
 END IF;
 RETURN NEW;
END;
$$
```

LANGUAGE plpgsql;

```
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
                                                                             sirima-g5::DATABASE=> CREATE OR REPLACE FUNCTION hitung pelamar diterima()
sirima-g5::DATABASE-> RETURNS trigger AS
sirima-g5::DATABASE-> $$
sirima-g5::DATABASE$> DECLARE
sirima-g5::DATABASE$> jumlah lulus INT;
sirima-g5::DATABASE$> BEGIN
sirima-g5::DATABASE$> SELECT COUNT(PP.status_lulus) INTO jumlah_lulus
sirima-g5::DATABASE$> FROM PENDAFTARAN_PRODI PP
sirima-g5::DATABASE$> WHERE PP.ID_PENDAFTARAN = NEW.ID_PENDAFTARAN
sirima-g5::DATABASE$> AND PP.status_lulus = TRUE;
sirima-g5::DATABASE$>
sirima-g5::DATABASE$> IF (TG_OP = 'UPDATE') THEN
sirima-g5::DATABASE$> IF(NEW.status_lulus IS TRUE AND OLD.status_lulus IS FALSE) TH
sirima-g5::DATABASE$> IF(jumlah_lulus = 1) THEN
sirima-g5::DATABASE$> UPDATE PENERIMAAN PRODI PNP
sirima-g5::DATABASE$> SET jumlah_diterima = (coalesce(jumlah_diterima,0) + 1)
sirima-g5::DATABASE$> FROM PERIODE_PENERIMAAN PRP
sirima-g5::DATABASE$> JOIN PENDAFTARAN P
sirima-g5::DATABASE$> ON P.NOMOR_PERIODE = PRP.NOMOR
sirima-g5::DATABASE$> AND P.TAHUN_PERIODE = PRP.TAHUN
sirima-g5::DATABASE$> WHERE PRP.NOMOR = PNP.NOMOR_PERIODE
sirima-g5::DATABASE$> AND PRP.TAHUN = PNP.TAHUN_PERIODE
sirima-g5::DATABASE$> AND P.ID = NEW.ID PENDAFTARAN
sirima-g5::DATABASE$> AND PNP.KODE_PRODI = NEW.kode_prodi;
sirima-g5::DATABASE$> ELSE
sirima-g5::DATABASE$> RAISE EXCEPTION 'Error : status_lulus untuk id_pendaftaran ya
ng sama maksimal berjumlah 1';
sirima-g5::DATABASE$> END IF;
sirima-g5::DATABASE$> ELSEIF(NEW.status lulus IS FALSE AND OLD.status lulus IS TRUE
sirima-g5::DATABASE$> UPDATE PENERIMAAN_PRODI PNP
sirima-g5::DATABASE$> SET jumlah_diterima = (jumlah_diterima - 1)
sirima-g5::DATABASE$> FROM PERIODE_PENERIMAAN PRP
sirima-g5::DATABASE$> JOIN PENDAFTARAN P
sirima-g5::DATABASE$> ON P.NOMOR_PERIODE = PRP.NOMOR
sirima-g5::DATABASE$> AND P.TAHUN_PERIODE = PRP.TAHUN
sirima-g5::DATABASE$> WHERE PRP.NOMOR = PNP.NOMOR PERIODE
sirima-g5::DATABASE$> AND PRP.TAHUN = PNP.TAHUN_PERIODE
sirima-g5::DATABASE$> AND P.ID = NEW.ID PENDAFTARAN
sirima-g5::DATABASE$> AND PNP.KODE PRODI = NEW.kode prodi;
sirima-g5::DATABASE$> END IF;
sirima-g5::DATABASE$> END IF;
sirima-g5::DATABASE$> RETURN NEW;
sirima-g5::DATABASE$> END;
sirima-g5::DATABASE$> $$
sirima-g5::DATABASE-> LANGUAGE plpgsql;
CREATE FUNCTION
sirima-g5::DATABASE=>
```

CREATE TRIGGER hitung_pelamar_diterima_trigger AFTER UPDATE of status_lulus ON PENDAFTARAN_PRODI FOR EACH ROW

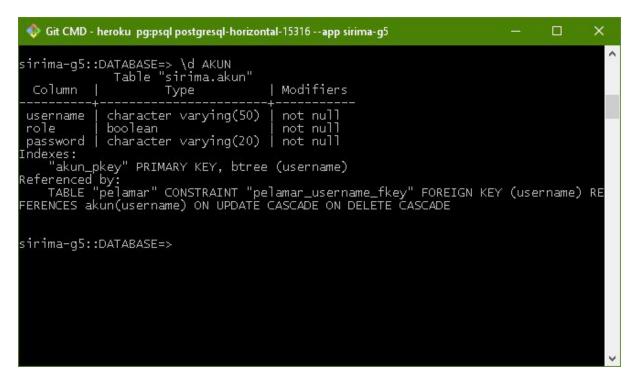
EXECUTE PROCEDURE hitung_pelamar_diterima();

```
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
                                                                                                                                                                                                                       X
sirima-g5::DATABASE=> CREATE TRIGGER hitung_pelamar_diterima_trigger
sirima-g5::DATABASE-> AFTER UPDATE of status_lulus
sirima-g5::DATABASE-> ON PENDAFTARAN_PRODI FOR EACH ROW
sirima-g5::DATABASE-> EXECUTE PROCEDURE hitung_pelamar_diterima();
CREATE TRIGGER
sirima-g5::DATABASE=>
```

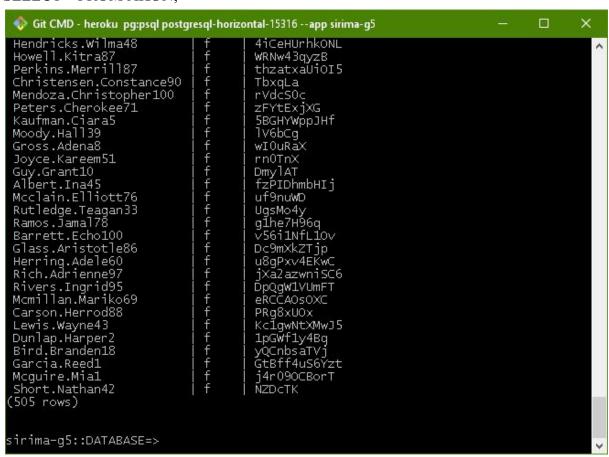
```
- □ ×
npm - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> \df
                              List of functions
                              | Result data type | Argument data types | Type
Schema
sirima | hitung_pelamar | trigger
                                                                    trigge
sirima | hitung_pelamar_diterima | trigger |
                                                                    | trigge
(2 rows)
sirima-g5::DATABASE=>
```

C. Table state

\d AKUN



SELECT * FROM AKUN;



```
🚸 Git CMD - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
                                                                                                                                                   sirima-g5::DATABASE=> \d JADWAL_PENTING
Table "sirima.jadwal_penting"
        Column
                                                                                            | Modifiers
                                                         Type
                                  smallint
                                                                                               not null
  nomor
 tahun
jenjang
waktu_mulai
                                  character(4)
character(2)
timestamp without time zone
timestamp without time zone
                                                                                               not null
                                                                                              not null
not null
not null
  waktu_selesai
  deskripsi
                                  character varying(150)
                                                                                               not null
Indexes:
"jadwal_penting_pkey" PRIMARY KEY, btree (nomor, tahun, jenjang, waktu_mulai
Foreign-key constraints:

"jadwal_penting_jenjang_fkey" FOREIGN KEY (jenjang) REFERENCES jenjang(nama)

ON UPDATE CASCADE ON DELETE CASCADE

"jadwal_penting_nomor_fkey" FOREIGN KEY (nomor, tahun) REFERENCES periode_pe
nerimaan(nomor, tahun) ON UPDATE CASCADE ON DELETE CASCADE
Referenced by:

Referenced by:

TABLE "lokasi_ujian" CONSTRAINT "lokasi_ujian_nomor_periode_fkey" FOREIGN KE
Y (nomor_periode, tahun_periode, jenjang, waktu_awal) REFERENCES jadwal_penting(
nomor, tahun, jenjang, waktu_mulai) ON UPDATE CASCADE ON DELETE CASCADE
sirima-q5::DATABASE=>
```

SELECT * FROM JADWAL PENTING;

	<u> </u>		
Git CMD - heroku pg:psql post	gresql-horizontal-15316app sirima-g5		□ ×
3 2009 53	2009-07-21 08:01:00 2009-08-	13 09:01:00	Pembayara 🔨
n 3 2009 53	2009-08-14 08:02:00 2009-08-	16 09:02:00	Pencetaka
n Kartu Tanda Ujian 3 2009 S3	2009-08-17 07:30:00 2009-08-	24 14:00:00	Ujian Sar
ingan Masuk			
3 2009 53	2009-08-29 12:04:00 2009-08-	31 14:01:00	Pengumuma
n Hasil Seleksi Masuk 2 2008 S1	2008-06-20 08:00:00 2008-07-	21 09:00:00	Pendaftar
an Online			
2 2008 51	2008-07-21 08:01:00 2008-08-	13 09:01:00	Pembayara
n 2 2008 51	2008-08-14 08:02:00 2008-08-	16 09:02:00	Pencetaka
n Kartu Tanda Ujian 2 2008 S1	2008-08-17 07:30:00 2008-08-	24 14:00:00	Ujian Sar
ingan Masuk			
2 2008 51	2008-08-29 12:04:00 2008-08-	31 14:01:00	Pengumuma
n Hasil Seleksi Masuk 3 2009 S1	2008-06-20 08:00:00 2008-07-	21 09:00:00	Pendaftar
an Online			
3 2009 S1	2009-07-21 08:01:00 2009-08-	13 09:01:00	Pembayara
n 3 2009 51	2009-08-14 08:02:00 2009-08-	16 09:02:00	Pencetaka
n Kartu Tanda Ujian 3 2009 S1	2009-08-17 07:30:00 2009-08-	24 14:00:00	Ujian Sar
ingan Masuk	, and or an investment , adds or		
3 2009 51	2009-08-29 12:04:00 2009-08-	31 14:01:00	Pengumuma
n Hasil Seleksi Masuk (26 rows)			
3			
sirima-g5::DATABASE=>			V

SELECT * FROM JENJANG;

```
×
 💠 Git CMD - heroku pg:psql postgresql-horizontal-15316 --app sirima-g5
an Online
     2 | 2008
                 | S1
                             | 2008-07-21 08:01:00 | 2008-08-13 09:01:00 | Pembayara
 2 | 2008 | S1
Kartu Tanda Ujian
2 | 2008 | S1
1gan Mass
                             | 2008-08-14 08:02:00 | 2008-08-16 09:02:00 | Pencetaka
                             | 2008-08-17 07:30:00 | 2008-08-24 14:00:00 | Ujian Sar
ingan Masuk
 2 | 2008 | S1
Hasil Seleksi Masuk
3 | 2009 | S1
                             | 2008-08-29 12:04:00 | 2008-08-31 14:01:00 | Pengumuma
                             | 2008-06-20 08:00:00 | 2008-07-21 09:00:00 | Pendaftar
an Online
     3 | 2009
                 | 51
                             | 2009-07-21 08:01:00 | 2009-08-13 09:01:00 | Pembayara
     3 | 2009
                             | 2009-08-14 08:02:00 | 2009-08-16 09:02:00 | Pencetaka
                   51
 Kartu Tanda Ujian
3 | 2009 | S1
                             | 2009-08-17 07:30:00 | 2009-08-24 14:00:00 | Ujian Sar
ingan Masuk
 3 | 2009 | S1
Hasil Şeleksi Masuk
                             | 2009-08-29 12:04:00 | 2009-08-31 14:01:00 | Pengumuma
(26 rows)
sirima-q5::DATABASE=> SELECT * FROM JENJANG;
nama
51
52
(3 rows)
sirima-g5::DATABASE=>
```

🔷 Git CMD - heroku	pg:psql postgresql-horizontal-15316app	sirima-g5			×
sirima-g5::DATA Column	BASE=> \d LOKASI_UJIAN Fable "sirima.lokasi_ujian" Type	Modifiers			^
tempat nomor_periode tahun_periode jenjang waktu_awal Indexes: "lokasi_uji; Foreign-key con: "lokasi_uji; jenjang, waktu ai) ON UPDATE C; Referenced by: TABLE "pend; REIGN KEY (lokas	character(2) timestamp without time zone an_pkev" PRIMARY KEY, btree ((kota, tempat) N KEY (nomor_pericing(nomor, tahun, endaftaran_semas_l RENCES lokasi_ujia	okasi_kota an(kota, te	_fkey" mpat)	'FO ON
sirima-g5::DATA	BASE=>				~

SELECT * FROM LOKASI_UJIAN;

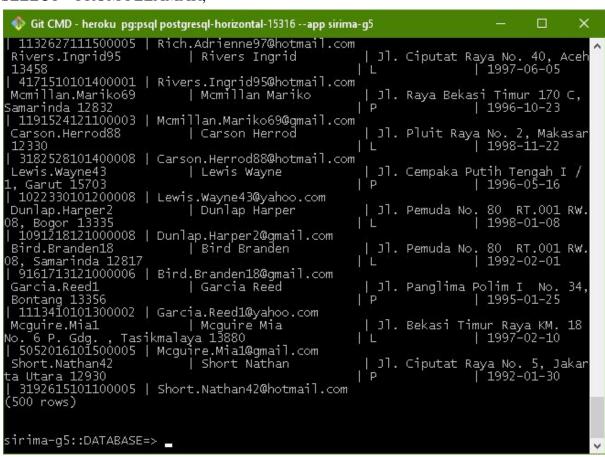
SEEECT TROWN		,					
💠 Git CMD - heroku p	g:psql postgre	sql-horizontal-15316:	app sirima-g5		<u> </u>	3	×
INSERT 0 1 sirima-g5::DATABASE=> insert into lokasi_ujian (kota,tempat,nomor_periode,tahun_ periode,jenjang,waktu_awal) values ('Depok','Balairung Kampus UI',3,'2009','S3', '17/8/2009 07:30'); INSERT 0 1 sirima-g5::DATABASE=> select * from lokasi_ujian;							
kota ang waktu_a	wal t	iempat	nomor_periode 	 -+	tahun_periode		jenj
+ Depok 2007-08-17	Kampus UI	Fasilkom	1 1	i	2007	1	S1
Jakarta Pusat 2007-08-17	Kampus UI	Akuntansi	1	J	2007	Ī	S1
Depok 2008-08-17	Kampus UI	FIB] 2	1	2008	1	S1
Jakarta Pusat 2008-08-17	Kampus UI	Kedokteran	2	1	2008	Ì	S1
Depok 2009-08-17	Kampus UI	FEB] 3	1	2009		S1
Jakarta Pusat 2009-08-17	Kampus UI	Fasilkom] 3	1	2009	Ì	S1
Depok 2008-08-17	Kampus UI	Kesmas] 2	1	2008	1	52
Jakarta Pusat 2008-08-17	Kampus UI	Sastra Inggris] 2	1	2008	İ	52
Depok 2009-08-17 (9 rows)	Balairung	Kampus UI] 3	1	2009		S3
sirima-g5::DATABA	SE=> _						~

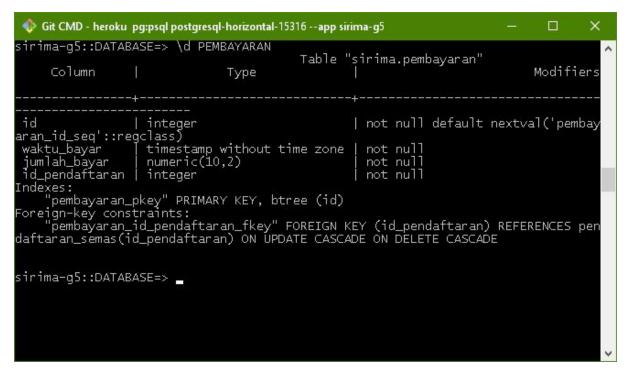
```
🎨 Git CMD - heroku pg:psgl postgresgl-horizontal-15316 --app sirima-g5
                                                                                                              sirima-g5::DATABASE=> \d PELAMAR
Table "sirima.pelamar"
      Column
                                                             | Modifiers
                                       Type
                         character varying(50)
character varying(100)
 username
                                                               not null
                                                               not null
 nama_lengkap
 alamat
                         text
                                                               not null
 jenis_kelamin
tanggal_lahir
                         character(1)
                                                               not null
                                                               not null
                         date
 no_ktp
                         character (16)
                                                               not null
 email'
                         character varying(100)
                                                               not null
Indexes:
"pelamar_pkey" PRIMARY KEY, btree (username)
"pelamar_email_key" UNIQUE CONSTRAINT, btree (email)
Foreign-key constraints:
"pelamar_username_fkey" FOREIGN KEY (username) REFERENCES akun(username) ON
UPDATE CASCADE ON DELETE CASCADE
Referenced by:

TABLE "pendaftaran" CONSTRAINT "pendaftaran_pelamar_fkey" FOREIGN KEY (pelam

ar) REFERENCES pelamar(username) ON UPDATE CASCADE ON DELETE CASCADE
sirima-q5::DATABASE=> _
```

SELECT * FROM PELAMAR;





SELECT * FROM PEMBAYARAN;

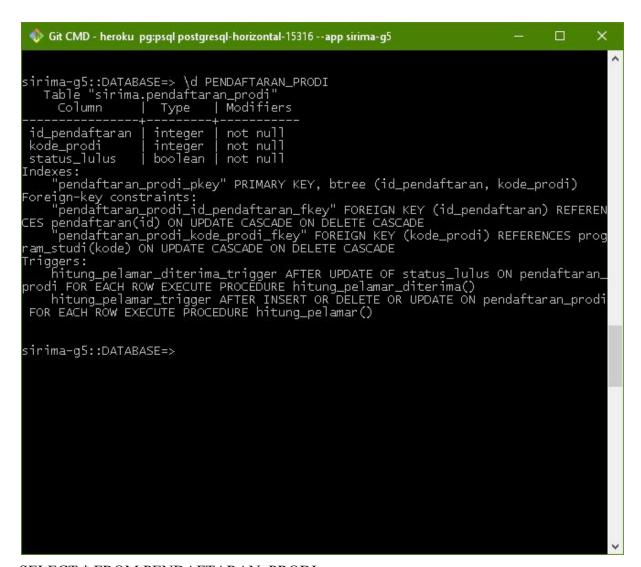
Git C	CMD - heroku pg:psql postgresql-h	norizontal-15316app sirima-	g5		×
973	2009-06-22 12:30:00	1000000.00	1173		-
974	2009-06-18 12:44:00	1000000.00	1174		
975	2009-06-10 13:26:00	1000000.00	1175		
976	2009-06-26 14:20:00	1000000.00	1176		
977	2009-06-16 09:23:00	1000000.00	1177		
978	2009-07-15 12:59:00	1000000.00	1178		
979	2009-06-07 11:40:00	1000000.00	1179		
980	2009-06-14 09:50:00	1000000.00	1180		
981	2009-07-09 18:55:00	1000000.00	1181		
982	2009-06-01 10:20:00	1000000.00	1182		
983	2009-07-09 16:33:00	1000000.00	1183		
984	2009-07-06 11:29:00	1000000.00	1184		
985	2009-06-20 15:21:00	1000000.00	1185		
986	2009-07-03 15:59:00	1000000.00	1186		
987	2009-06-04 17:45:00	1000000.00	1187		
988	2009-06-10 10:58:00	1000000.00	1188		
989	2009-06-06 16:26:00	1000000.00	1189		
990 j	2009-06-20 15:55:00	1000000.00	1190		
991	2009-07-03 13:53:00	1000000.00	1191		
992	2009-06-16 11:21:00	1000000.00	1192		
993 j	2009-06-17 14:53:00	1000000.00	1193		
994	2009-07-01 18:24:00	1000000.00	1194		
995	2009-06-18 12:59:00	1000000.00	1195		
996 i	2009-06-25 09:53:00	1000000.00	1196		
997 İ	2009-06-11 12:25:00	1000000.00	1197		
998	2009-06-28 18:24:00	1000000.00	1198		
999 i	2009-07-06 12:40:00	1000000.00	1199		
.000 i	2009-07-13 15:41:00	1000000.00	1200		
.000 r	ows)				
rima-	-g5::DATABASE=> _				

💠 Git CMD - heroku pg:psa	ql postgresql-horizontal-15316	5app sirima-g5			×
sirima-g5::DATABASE=					^
Column	Та Туре 	able "sirima.pendaftara +	.n" Mod	Hifiers	
an_id_seq'::regclass status_lulus status_verifikasi npm pelamar nomor_periode tahun_periode Indexes: "pendaftaran_pke Foreign-key constrai "pendaftaran_nom REFERENCES periode_p "pendaftaran_pel) ON UPDATE CASCADE Referenced by: TABLE "pendaftar FOREIGN KEY (id_pen LETE CASCADE TABLE "pendaftar FOREIGN KEY (id_pen LETE CASCADE TABLE "pendaftar	boolean boolean character(10) character varying(9 smallint character(4) y" PRIMARY KEY, btre nts: or_periode_fkey" FOR enerimaan(nomor, tak amar_fkey" FOREIGN k ON DELETE CASCADE an_prodi" CONSTRAINT daftaran) REFERENCES an_semas" CONSTRAINT daftaran) REFERENCES an_uui" CONSTRAINT ' aran) REFERENCES per	not null not null	false false false le, tahun ON DELETE S pelaman DATE CASC Lependafta DATE CASC	periode CASCAD (userna Aran_fke ADE ON Aran_fke ADE ON	e) DE ame DE DE DE

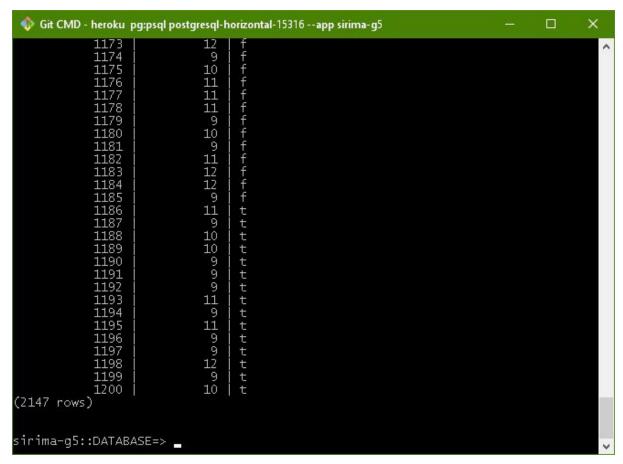
SELECT * FROM PENDAFTARAN;

	roku pg:psql postgresql-ho	rizontal-15316app sirima-g5 —	_ X
1187 t	t 3 2009	1508263693 Ramos.Jamal78	
1188 t	t	1508263695 Barrett.Echo100	
1189 t	3 2009 t	1508263697 Glass.Aristotle8	6
1190 t	3 2009 t	1508263699 Herring.Adele60	
1191 t	3 2009 t	1508263701 Rich.Adrienne97	
1192 t	3 2009 t 3 2009	1508263703 Rivers.Ingrid95	
1193 t	3 2009 t 3 2009	1508263705 Mcmillan.Mariko6	9
1194 t	3 2009 t 3 2009	1508263707 Carson.Herrod88	
1195 t	t	1508263709 Lewis.Wayne43	
1196 t	3 2009 t	1508263711 Dunlap.Harper2	
1197 t	3 2009 t	1508263713 Bird.Branden18	
L198 t	3 2009 t	1508263715 Garcia.Reed1	
l199 t	3 2009 t	1508263717 Mcguire.Mia1	
1200 t	3 2009 t	1508263719 Short.Nathan42	
1200 rows)	3 2009		
irima-q5::D			

\d PENDAFTARAN_PRODI



SELECT * FROM PENDAFTARAN PRODI;



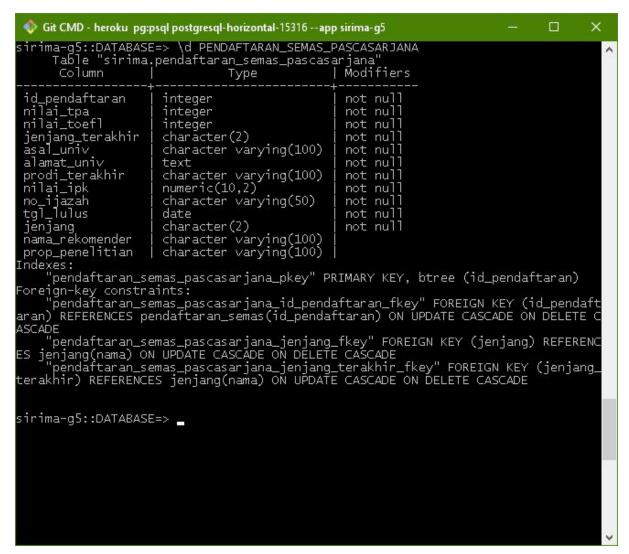
\d PENDAFTARAN_SEMAS

💠 Git CMD - heroku pg:psql postgresql-horizontal-15316	app sirima-g5	<u></u>		×
sirima-g5::DATABASE=> \d PENDAFTARAN_SEMAS				^
Table "sirima.pendaftaran_semas' Column Type	Modifiers			
id_pendaftaran integer status_hadir boolean nilai_ujian integer no_kartu_ujian character(10) lokasi_kota character varying(100) lokasi_tempat character varying(150) lokasi_tempat constraint varying lokasi_tempat constraint varying lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_ujian(kota, tempat) on lokasi_lokasi_ujian(kota, tempat) on lokasi_lokasi_ujian(kota, tempat) on lokasi_lokasi_ujian(kota, tempat) on lokasi_lokasi	"FOREIGN KEY (id_penda DELETE CASCADE OREIGN KEY (lokasi_kota I UPDATE CASCADE ON DELE aran_id_pendaftaran_fkey las(id_pendaftaran) ON U CONSTRAINT "pendaftara Lpendaftaran) REFERENCE DELETE CASCADE TRAINT "pendaftaran_sem an) REFERENCES pendafta	, lokas TE CASC " FOREI PDATE C n_semas S penda as_sarj	i_temp ADE GN KEY ASCADE _pasca ftaran ana_id	at (0 sa _s
sirima-g5::DATABASE=> _				

SELECT * FROM PENDAFTARAN_SEMAS;

💠 Git CMD - heroku pg:psql postg	resql-horizontal-1	5316 app sirima-g5		×
1174 t		53 3046736646	Depok	^
Balairung Kampus UI 1176 t	T	68 3046736648	Depok	1
Balairung Kampus UI 1178 t	Ĭ	76 3046736650	Depok	ij
Balairung Kampus UI 1180 t	ï	62 3046736652	Depok	
Balairung Kampus UI 1182 f	i	0 3046736654	Depok	
Balairung Kampus UI 1184 f	i i	0 3046736656	Depok	
Balairung Kampus UI 1186 t	Ĭ	91 3046736658	Depok	
Balairung Kampus UI	d.			
1188 t Balairung Kampus UI		97 3046736660	Depok	
1190 t Balairung Kampus UI	1	93 3046736662	Depok	
1192 t Balairung Kampus UI	1	98 3046736664	Depok	
1194 t Balairung Kampus UI	1	95 3046736666	Depok	
1196 t Balairung Kampus UI	Ť	99 3046736668	Depok	1
1198 t Balairung Kampus UI	Ì	100 3046736670	Depok	1
1200 t	T	94 3046736672	Depok	1
Balairung Kampus UI (1000 rows)				
sirima-g5::DATABASE=> _				~

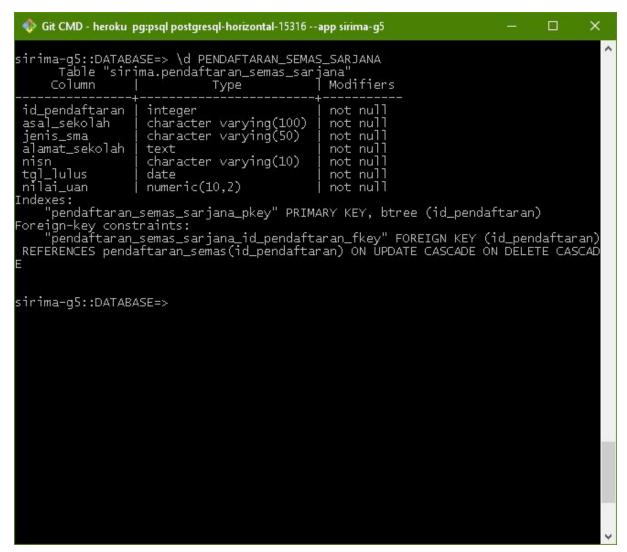
 $\verb|\d PENDAFTARAN_SEMAS_PASCASARJANA|$



SELECT * FROM PENDAFTARAN SEMAS PASCASARJANA;

🊸 Git CMD - heroku pg:psql postgresql-horizontal-15316app sirima-g5 –	200	×
1194 644 849 S2 Unive egoro Jl. Diponegoro No. 71, Semarang Fisika 3.92 SKS79156387369 2007-09-20 S3 Quentin an_124517.pdf		
1195 620 759 S2 Unive h Mada Jl. Achmad Yani No. 2, By Pass, Yogyakarta Psikol 3.86 SKS79156387370 2007-09-25 S3 Marny an 124518 pdf		
1196 684 757 S2 University Univers		
1197 651 835 S2 Insti i Surabaya Jl. Raya Mangga Besar Raya 137 / 139, Surabaya Akutan 3.75 SKS79156387372 2007-09-14 S3 Ivan		
1198 627 751 S2 Insti i Bandung Jl. Kali Pasir No. 9, Bandung Sastra 3.82 SKS79156387373 2007-08-21 S3 Walter		
1199 674 827 S2 Unive h Mada Jl. Achmad Yani No. 2, By Pass, Yogyakarta Sastar 3.78 SKS79156387374 2007-08-01 S3 Peter		
1200 642 850 S2 Insti i Surabaya Jl. Raya Mangga Besar Raya 137 / 139, Surabaya Sastra 3.86 SKS79156387375 2007-08-06 S3 Carly an_124523.pdf	tut Tek Inggri per	knolog is neliti
(200 rows) sirima-g5::DATABASE=>		

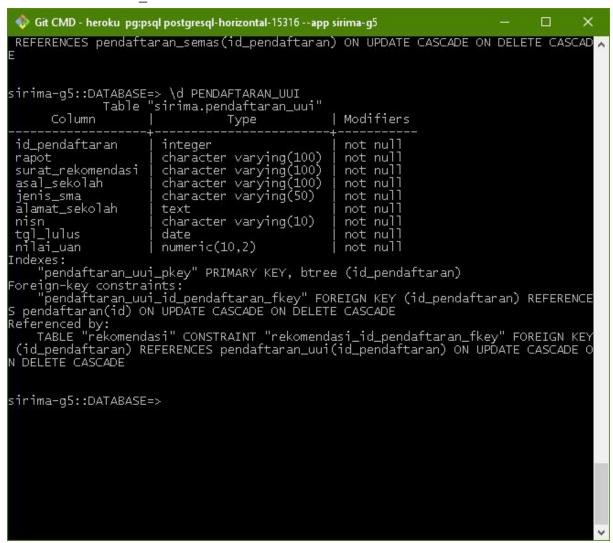
 $\verb|\d PENDAFTARAN_SEMAS_SARJANA||$



SELECT * FROM PENDAFTARA_SEMAS_SARJANA;

Git CMD - heroku pg:psql postgresql-horizontal-15316app sirima-	g 5			×
007-06-29 37.08 992 SMA Negeri 16 Jakarta Selatan sih No.1 Komp. Dep. Han, Mabes TNI Slipi, Jakart 007-07-11 38.71	IPS :a Selatan	Jl. 994567	Cendra 75596	awa 2
993 SMA Negeri 01 Palembang ot No. 34, Palembang 007-06-02 37.34	IPA	31. 994567	Daan M 75597	
994 SMK Negeri 14 Aceh a No. 1, Aceh 007-07-13 37.41	Teknik Mesin 	Jl. 994567	Kyai ⁻ 75598	Гар 2
995 SMA Negeri 08 Jakarta Utara i Raya No. 2, Kawasan Daan Mogot Baru, Jakarta Ut 007-07-11 37.72		J1. 994567		
	IPA	J1. 994567	Raya F 75600	
	Teknik Komputer 	31. 994567	Kedoya 75601	a R 2
998 SMK Negeri 16 Bandung Arteri 26, Bandung 007-06-09 38.60		Jl. 994567		
ayoran Lama No. 64 , Bogor 007-06-25 38.74	Teknik Otomasi 	Jl. 994567	Raya H 75603	<eb 2</eb
1000 SMA Negeri 12 Bali ah Raya Blok S-2, Bali 007-06-06 37.65		Jl. 994567		
(800 rows)				
sirima-g5::DATABASE=>				~

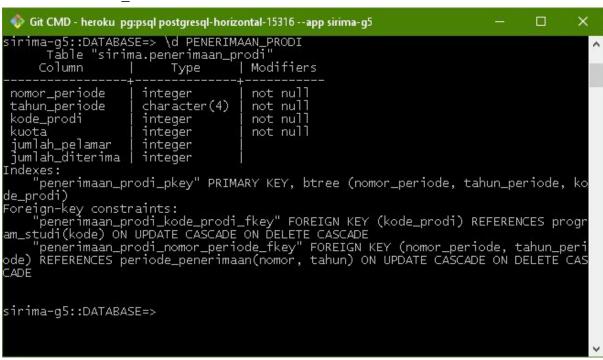
\d PENDAFTARAN UUI



SELECT * FROM PENDAFTARAN UUI

```
🎨 Git CMD - heroku pg:psgl postgresgl-horizontal-15316 --app sirima-g5
                                                                                                        9945675408 | 2007-07-09 |
                                                                                   34.19
a Utara
               Analisa Kimia | Jl. Letjen S. Parman Kav. 84-86, Balikpapan
| 9945675410 | 2007-06-27 | 35.78
| 194 | rapot_32760.pdf | rekomendasi_45514.pdf | SMK Negeri 02 Makasa
| Teknik Mesin | Jl. LetJen S. Parman Kav. 87 Slipi Makasa
apan
                                        | Jl. LetJen S. Parman Kav. 87, Slipi, Makasar
9945675411 | 2007-06-06 | 34.39
                 195 | rapot_32761.pdf | rekomendasi_45515.pdf | SMA Negeri 07 Jakart
                      a Utara
                 196
              IPA
a Utara
              | IPS
apan
                                       4.pdf | rekomendasi_45518.pdf
| Jl. Anggrek No. 2 B, Garut
| 9945675415 | 2007-07-30 |
                 198
                       | rapot_32764.pdf
                                                                                   | SMA Negeri 11 Garut
              IPS
                                                                                   36.12
                      | rapot_32765.pdf | rekomendasi_45519.pdf | SM
| Jl. Pesanggrahan No. 1, Bandung
| 9945675416 | 2007-06-09 | 36.
                 199
                                                                                   | SMA Negeri 14 Bandun
                IPS
                                                                                   36.31
                      | 1943673416 | 2007-08-09 | 36.31
| rapot_32766.pdf | rekomendasi_45520.pdf | SMA Negeri 18 Papua
| Jl. RS Fatmawati No. 80 - 82, Papua
| 9945675417 | 2007-06-15 | 35.76
                 200
              I IPA
(200 rows)
sirima-g5::DATABASE=>
```

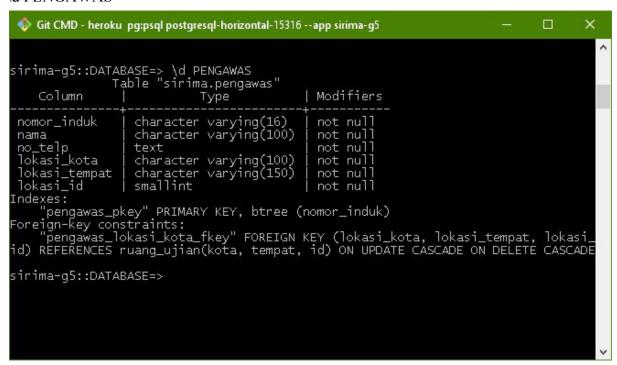
\d PENERIMAAN PRODI



SELECT * FROM PENERIMAAN PRODI;

Git CMD	- heroku pg:psql postgr	esql-horizontal-1	5316 app sirin			×
45	2 2008		12	53	530	
43	2 2008		9	54	430	
	3 2009	1	1	55	525	
45	3 2009	4	2	64	640	
61	3 2009	1	18	52	438	
48	3 2009	4	3	65	621	
60	2 2008	i	18	69	487	
62	2 2008	4	19	53	561	
39	2 2008	i i	1	50	644	
36	2 2008	3	5	65	451	
50	3 2009		11	58	434	
47		:l				
62	3 2009	1	17	73	502	
64	1 2007		2	68	678	
64	1 2007	1	4	71	649	
rows)						
nma-g5:	:DATABASE=> _					

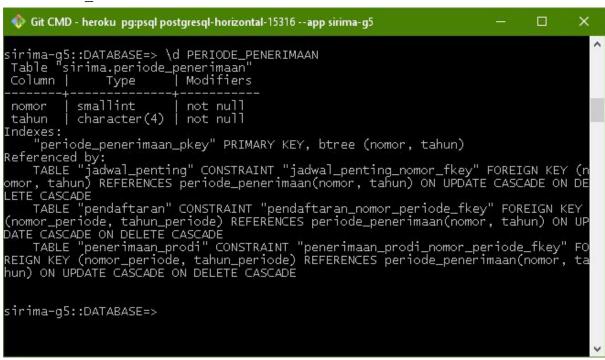
\d PENGAWAS



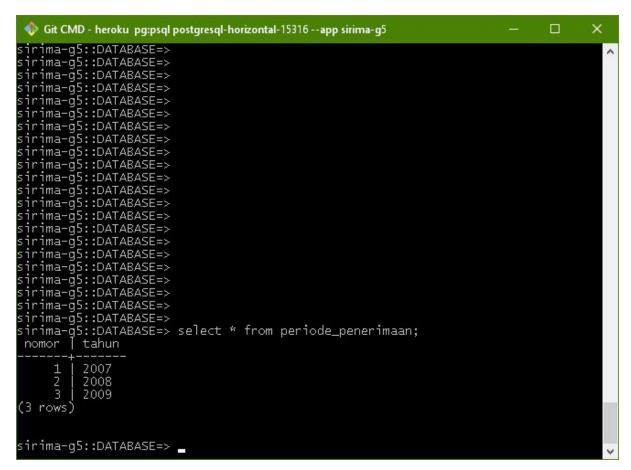
SELECT * FROM PENGAWAS;

```
×
 ጭ Git CMD - heroku pg:psgl postgresgl-horizontal-15316 --app sirima-g5
                                                                                             45','Depok','Kampus UUI',10);
ERROR: duplicate key value violates unique constraint "pengawas_pkey"
DETAIL: Key (nomor_induk)=(3482652437928359) already exists.
sirima-g5::DATABASE=> select * from pengawas;
nomor_induk | nama | no_telp | lokasi_kota |
                                                                                               lokasi
                  | lokasi_id
 tempat
 3482652437928359 | Bagas Pratama
                                               | 085629273045 | Depok
                                                                                      Kampus UUI
                         Sri Lestari
 3482652437928350 |
                                               | 085635425346 | Depok
                                                                                      | Kampus UI F
asilkom
 3482652437928351 | Arwan Singgih
                                              | 085223032704 | Jakarta Pusat | Kampus UI A
kuntansi | 2
3482652437928352 | Kin Dhananjaya
                                              | 085622833521 | Depok
                                                                                      | Kampus UI F
IB
 3482652437928353
                         Ruri Narendra
                                              | 085335852492 | Jakarta Pusat | Kampus UI K
edokteran |
3482652437928354 |
                                              | 085235083381 | Depok
                         Tommy Wijaya
                                                                                      | Kampus UI F
 3482652437928355 | Antonio Ricardo | 085228614030 | Jakarta Pusat | Kampus UI F
asilkom
 3482652437928356 | Arwin Wijanarko | 085529652296 | Depok
                                                                                      | Kampus UI k
esmas
 3482652437928357 | Arief Wirayudha | 085350943646 | Jakarta Pusat | Kampus UI S
astra Inggris | 8
3482652437928358 | Muhammad Mirza
                                              | 085346792585 | Depok
                                                                                      | Balairung k
ampus UI
(10 rows)
sirima-g5::DATABASE=>
```

\d PERIODE PENERIMAAN



SELECT * FROM PERIODE PENERIMAAN;



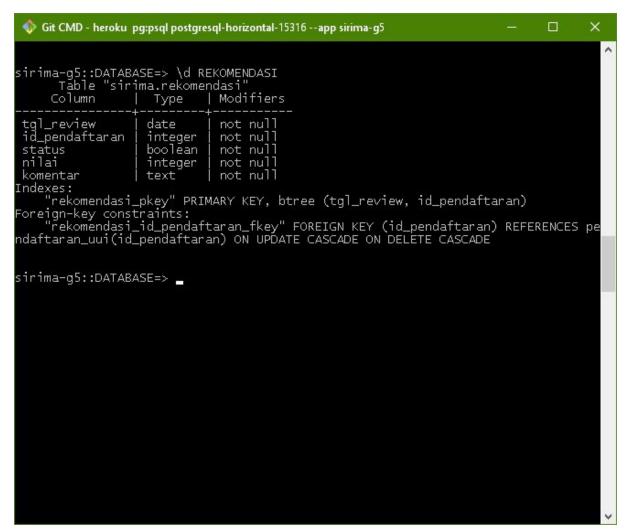
\d PROGRAM STUDI

Git CMD - heroku pg:psql postgresql-horizontal-15316app sirima-g5	1000		×
sirima-g5::DATABASE=> \d PROGRAM_STUDI Table "sirima.program_studi" Column Type	Modi	fiers	^
kode integer not null default nextval i_kode_seq'::regclass) nama character varying(100) not null jenis_kelas character varying(50) not null nama_fakultas character varying(50) not null jenjang character(2) not null Indexes: "program_studi_pkey" PRIMARY KEY, btree (kode) Foreign-key constraints:	('pro	gram_s	tud
"program_studi_jenjang_fkey" FOREIGN KEY (jenjang) REFERENCES ON UPDATE CASCADE ON DELETE CASCADE Referenced by:	rodi_ CADE di_fk	fkey" ON DEL ey" FO	FOR ETE REI
sirima-g5::DATABASE=> _			

SELECT * FROM PROGRAM_STUDI;

sirima-q5::DATABASE=> select '	Komputer','Paralel','Ilmu Komputer','S1'); olates unique constraint "program_studi_pkey' dy exists.	× ^
14 Biologi Inte 15 Teknik Industri Inte	Pler Matematika dan Pengetahuan Alam Pler Teknik Pler Ilmu Komputer Pler Kedokteran Pengetahuan Alam	51 51 52 52 53 53 51 51 51 51 51 52 52

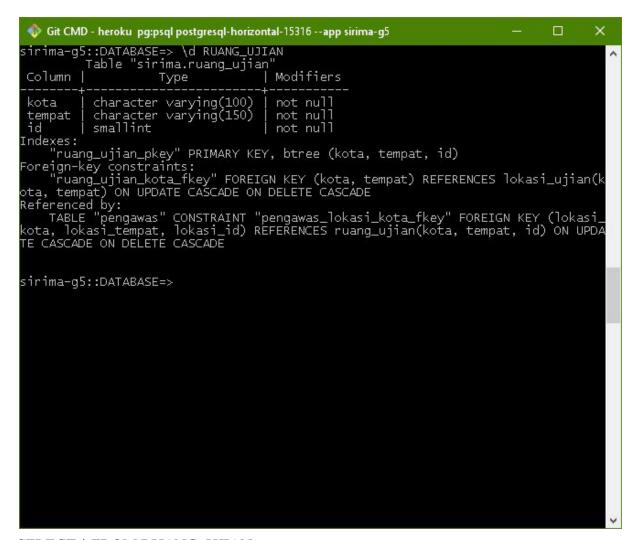
 $\verb|\d REKOMENDASI||$



SELECT * FROM REKOMENDASI;

009-03-24	173	f	78	Cukup Berprestasi		
009-03-24	174	f	80	Cukup Berprestasi Cukup Berprestasi		
009-04-07	175	Ė	77	Cukup Berprestasi		
009-03-31	176	f	79	Cukup Berprestasi		
009-03-16	177	ŕ	77	Cukup Berprestasi		
009-03-29	178	Ť	73	Cukup Berprestasi		
009-04-15	179	Ė	79	Cukup Berprestasi		
009-04-06	180	f	76	Cukup Berprestasi		
009-04-13	181	f	75	Cukup Berprestasi		
009-04-06	182	Ė	77	Cukup Berprestasi		
009-04-14	183	÷	74	Cukup Berprestasi		
009-04-06	184	f f	76	Cukup Berprestasi		
009-03-23	185	i ÷	70	Cukup Berprestasi		
009-04-12	186	f f	74	Cukup Berprestasi Cukup Berprestasi		
009-04-05	187	Ė	70	Cukup Berprestasi		
009-04-03	188	f	80	Cukup Berprestasi		
009-03-16	189	ŕ	71	Cukup Berprestasi		
009-04-06	190	ŕ	74	Cukup Berprestasi		
009-03-27	191	f	73	Cukup Berprestasi Cukup Berprestasi		
009-04-03	192	f	78	Cukup Berprestasi Cukup Berprestasi		
009-03-15	193		75	Cukup Berprestasi Cukup Berprestasi		
009-01-13	194	f f	71	Cukup Berprestasi Cukup Berprestasi		
009-04-03	195	<u>_</u>	74	Cukup Berprestasi Cukup Berprestasi		
009-04-11	196	÷	74	Cukup Berprestasi Cukup Berprestasi		
009-03-25	197	f f	80	Cukup Berprestasi Cukup Berprestasi		
009-03-31	198	ŕ	74	Cukup Berprestasi		
009-03-31	199	f	71	Cukup Berprestasi Cukup Berprestasi		
009-04-10	200	f	79	Cukup Berprestasi Cukup Berprestasi		
009-04-10 00 rows)	200	1	1 /9	I cakab perbrescasi		
00 10437						

\d RUANG_UJIAN



SELECT * FROM RUANG UJIAN;

```
×
                                                                                                                            🎨 Git CMD - heroku pg:psgl postgresgl-horizontal-15316 --app sirima-g5
sirima-g5::DATABASE=> insert into ruang_ujian (kota,tempat,id) values ('Depok',
Kampus UI',10);
ERROR: insert or update on table "ruang_ujian" violates foreign key constraint
"ruang_ujian_kota_fkey"
DETAIL: Key (kota, tempat)=(Depok, Kampus UI) is not present in table "lokasi_u
jian".
sirima-g5::DATABASE=> insert into lokasi_ujian (kota,tempat,nomor_periode,tahun_
periode,jenjang,waktu_awal) values ('Depok','Kampus UUI',3,'2009','S3','17/8/200
9 07:30');
INSERT 0 1
sirima-g5::DATABASE=> insert into ruang_ujian (kota,tempat,id) values ('Depok',
Kampus UUI',10);
INSERT 0 1
sirima-g5::DATABASE=> select * from ruang_ujian;
kota | tempat | id
 Depok
Jakarta Pusat
                             Kampus UI Fasilkom
                                                                            123456789
                             Kampus UI Akuntansi
                             Kampus UI FIB
 Depok
 Jakarta Pusat
                             Kampus UI Kedokteran
 Depok
Jakarta Pusat
Depok
Jakarta Pusat
                             Kampus UI FEB
Kampus UI Fas
                                             Fasilkom
                             Kampus UI Kesmas
                             Kampus UI Sastra Inggris
                             Balairung Kampus UI
Kampus UUI
 Depok
                                                                           10
 Depok
(10 rows)
sirima-g5::DATABASE=> 🕳
```

D. Pembagian tugas dan kontribusi

NPM	Nama	Deskripsi Tugas	Kontribusi
1606954735	Arri Kurniawan	Membuat script DDL untuk create table, stored procedure dan trigger	25%
1606954754	Budi Indrawan	Membuat script DDL untuk insert query dan program untuk generate data acak (9 table)	25%
1606954792	Fadly Muhammad Ridho	Membuat script DDL untuk insert query dan program untuk generate data acak (9 table)	25%
1406649403	Riyandi Eko Pambudi	Menyusun laporan akhir, melakukan koreksi query serta eksekusi script DDL ke dalam sistem	25%