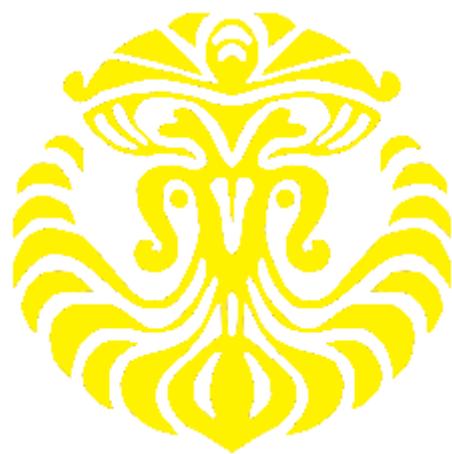


**LAPORAN TUTORIAL LAB 1
BASIS DATA**



**Alvaro Austin
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KELAS A**

**FAKULTAS ILMU KOMPUTER
UNIVERSITAS INDONESIA
DEPOK
2022/2023**

Laporan Tutorial Lab 1

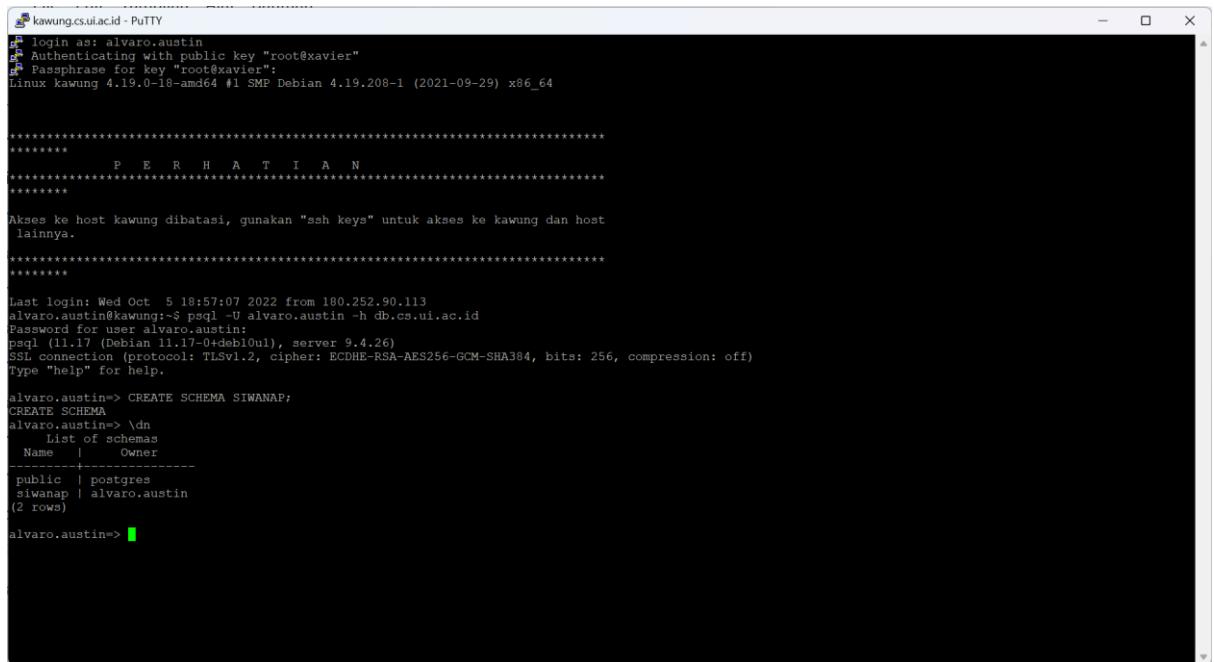
Basis Data

Semester Ganjil 2022/2023

Latihan 1

1. [SQL] Soal nomor 1

- Judul Screenshot membuat SCHEMA SIWANAP



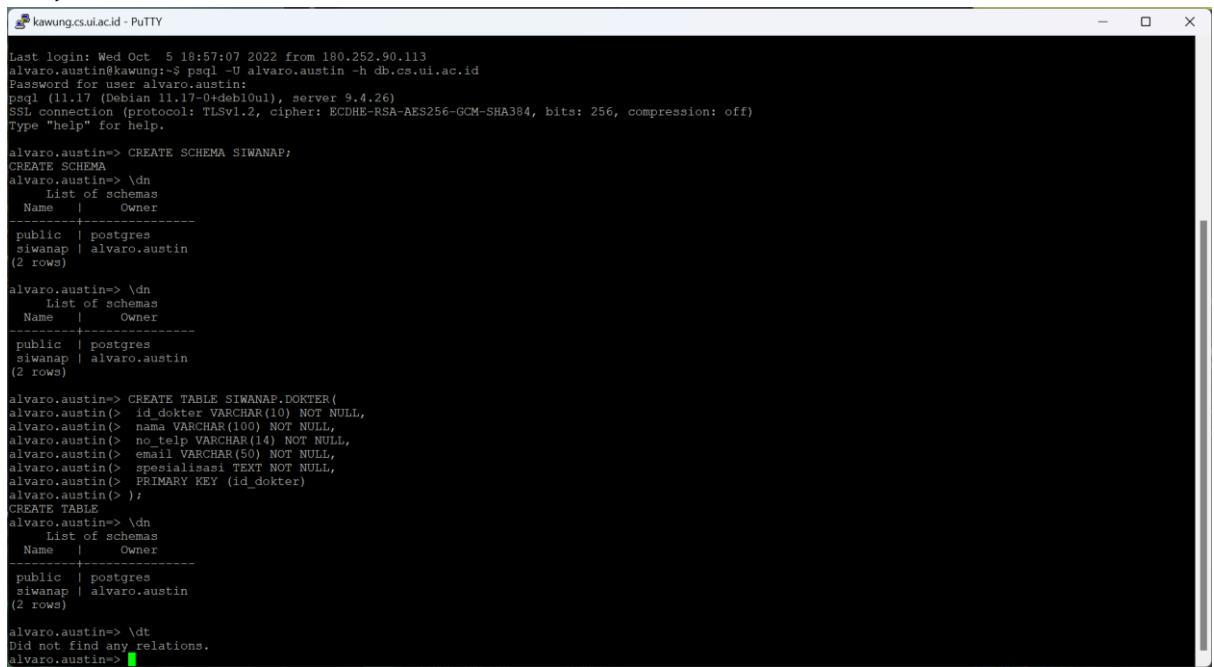
```
kawung.cs.ui.ac.id - PuTTY
login as: alvaro.austin
Authenticating with public key "root@xavier"
Passphrase for key "root@xavier":
Linux kawung 4.19.0-18-amd64 #1 SMP Debian 4.19.208-1 (2021-09-29) x86_64

*****
P E R H A T I A N
*****  
Akses ke host kawung dibatasi, gunakan "ssh keys" untuk akses ke kawung dan host lainnya.  
*****  
Last login: Wed Oct 5 18:57:07 2022 from 180.252.90.113
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> CREATE SCHEMA SIWANAP;
CREATE SCHEMA
alvaro.austin=> \dn
List of schemas
 Name | Owner
-----+-----
public | postgres
siwanap | alvaro.austin
(2 rows)

alvaro.austin=>
```

- Judul Screenshot MEMBUAT TABEL Dokter INPUT



```
kawung.cs.ui.ac.id - PuTTY
Last login: Wed Oct 5 18:57:07 2022 from 180.252.90.113
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> CREATE SCHEMA SIWANAP;
CREATE SCHEMA
alvaro.austin=> \dn
List of schemas
 Name | Owner
-----+-----
public | postgres
siwanap | alvaro.austin
(2 rows)

alvaro.austin=> \dn
List of schemas
 Name | Owner
-----+-----
public | postgres
siwanap | alvaro.austin
(2 rows)

alvaro.austin=> CREATE TABLE SIWANAP.DOKTER(
alvaro.austin(> id_dokter VARCHAR(10) NOT NULL,
alvaro.austin(> nama VARCHAR(100) NOT NULL,
alvaro.austin(> no_telp VARCHAR(14) NOT NULL,
alvaro.austin(> email VARCHAR(50) NOT NULL,
alvaro.austin(> spesialisasi TEXT NOT NULL,
alvaro.austin(> PRIMARY KEY (id_dokter)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dn
List of schemas
 Name | Owner
-----+-----
public | postgres
siwanap | alvaro.austin
(2 rows)

alvaro.austin=> \dt
Did not find any relations.
alvaro.austin=>
```

- Judul screenshot MEMBUAT TABEL DOKTER OUTPUT

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023



UNIVERSITAS
INDONESIA

Veritas, Praeludia, Ineffilia

FACULTY OF
COMPUTER
SCIENCE

```
kawung.cs.ui.ac.id - PuTTY
Login as: alvaro.austin
Authenticating with public key "root@xavier"
Passphrase for key "root@xavier":
Linux kawung 4.19.0-18- amd64 #1 SMP Debian 4.19.208-1 (2021-09-29) x86_64

*****
P E R H A T I A N
*****
Akses ke host kawung dibatasi, gunakan "ssh keys" untuk akses ke kawung dan host lainnya.

*****
Last login: Wed Oct 5 19:37:52 2022 from 180.252.90.113
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+
 siwanap | dokter | table | alvaro.austin
(1 row)

alvaro.austin=>
```

MEMBUAT TABEL PASIEN

```
kawung.cs.ui.ac.id - PuTTY
*****
P E R H A T I A N
*****
Akses ke host kawung dibatasi, gunakan "ssh keys" untuk akses ke kawung dan host lainnya.

*****
Last login: Wed Oct 5 19:37:52 2022 from 180.252.90.113
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+
 siwanap | dokter | table | alvaro.austin
(1 row)

alvaro.austin=> CREATE TABLE SIWANAP.PASIEN(
alvaro.austin(> id_pasien VARCHAR(10) NOT NULL,
alvaro.austin(> nama VARCHAR(100) NOT NULL,
alvaro.austin(> alamat TEXT NOT NULL,
alvaro.austin(> no_telp VARCHAR(14) NOT NULL,
alvaro.austin(> email VARCHAR(50) NOT NULL,
alvaro.austin(> tgl_lahir DATE NOT NULL,
alvaro.austin(> jenis_kelamin CHAR(1) NOT NULL,
alvaro.austin(> PRIMARY KEY (id_pasien));
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+
 siwanap | dokter | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
(2 rows)

alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

MEMBUAT TABEL PERAWAT

```
kawung.cs.ui.ac.id - PuTTY
6, compression: off).
Type "help" for help.

alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
(1 row)

alvaro.austin=> CREATE TABLE SIWANAP.PASIEN(
alvaro.austin(> id_pasien VARCHAR(10) NOT NULL,
alvaro.austin(> nama VARCHAR(100) NOT NULL,
alvaro.austin(> alamat TEXT NOT NULL,
alvaro.austin(> no_telp VARCHAR(14) NOT NULL,
alvaro.austin(> email VARCHAR(50) NOT NULL,
alvaro.austin(> tgl_lahir DATE NOT NULL,
alvaro.austin(> jenis_kelamin CHAR(1) NOT NULL,
alvaro.austin(> PRIMARY KEY (id_pasien)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(2 rows)

alvaro.austin=> CREATE TABLE SIWANAP.PERAWAT(
alvaro.austin(> id_perawat VARCHAR(10) NOT NULL,
alvaro.austin(> nama VARCHAR(100) NOT NULL,
alvaro.austin(> no_telp VARCHAR(14) NOT NULL,
alvaro.austin(> email VARCHAR(50) NOT NULL,
alvaro.austin(> jenis_kelamin CHAR(1) NOT NULL,
alvaro.austin(> PRIMARY KEY (id_perawat)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(3 rows)

alvaro.austin=>
```

MEMBUAT TABEL KAMAR

```
kawung.cs.ui.ac.id - PuTTY
*****
P E R H A T I A N
*****

Akses ke host kawung dibatasi, gunakan "ssh keys" untuk akses ke kawung dan host lainnya.

*****
Last login: Wed Oct  5 19:51:54 2022 from 180.252.90.113
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> \dt
Did not find any relations.
alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(3 rows)

alvaro.austin=> CREATE TABLE SIWANAP.KAMAR(
alvaro.austin(> id_kamar VARCHAR(10) NOT NULL,
alvaro.austin(> nama VARCHAR(30) NOT NULL,
alvaro.austin(> jenis VARCHAR(10) NOT NULL,
alvaro.austin(> kapasitas SMALLINT NOT NULL,
alvaro.austin(> harga INTEGER NOT NULL,
alvaro.austin(> PRIMARY KEY (id_kamar)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dt
      List of relations
 Schema | Name | Type | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | kamar | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(4 rows)

alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

MEMBUAT TABLE OBAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> \dt
Did not find any relations.
alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> \dt
          List of relations
 Schema | Name   | Type  | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(3 rows)
alvaro.austin=> CREATE TABLE SIWANAP.KAMAR(
alvaro.austin(>   id_kamar VARCHAR(10) NOT NULL,
alvaro.austin(>   nama VARCHAR(30) NOT NULL,
alvaro.austin(>   jenis VARCHAR(10) NOT NULL,
alvaro.austin(>   kapasitas SMALLINT NOT NULL,
alvaro.austin(>   harga INTEGER NOT NULL,
alvaro.austin(>   PRIMARY KEY (id_kamar)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dt
          List of relations
 Schema | Name   | Type  | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | kamar  | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(4 rows)
alvaro.austin=> CREATE TABLE SIWANAP.OBAT(
alvaro.austin(>   id_obat VARCHAR(10) NOT NULL,
alvaro.austin(>   nama TEXT NOT NULL,
alvaro.austin(>   PRIMARY KEY (id_obat)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \dt
          List of relations
 Schema | Name   | Type  | Owner
-----+-----+-----+-----
 siwanap | dokter | table | alvaro.austin
 siwanap | kamar  | table | alvaro.austin
 siwanap | obat   | table | alvaro.austin
 siwanap | pasien | table | alvaro.austin
 siwanap | perawat | table | alvaro.austin
(5 rows)
alvaro.austin=>
```

MEMBUAT TABLE RAWAT_INAP

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> CREATE TABLE SIWANAP.RAWAT_INAP(
alvaro.austin(>   id_rawat_inap VARCHAR(10) NOT NULL,
alvaro.austin(>   FOREIGN KEY (id_kamar) REFERENCES KAMAR(id),
alvaro.austin(>   FOREIGN KEY (id_pasien) REFERENCES PASIEN(id),
alvaro.austin(>   tgl_masuk DATE NOT NULL,
alvaro.austin(>   tgl_keluar DATE,
alvaro.austin(>   PRIMARY KEY (id_rawat_inap)
alvaro.austin(> );
ERROR: column "id_kamar" referenced in foreign key constraint does not exist
alvaro.austin=> \d rawat_inap
Did not find any relation named "rawat_inap".
alvaro.austin=> CREATE TABLE SIWANAP.RAWAT_INAP(
alvaro.austin(>   id_rawat_inap VARCHAR(10) NOT NULL,
alvaro.austin(>   id_kamar VARCHAR(10) NOT NULL,
alvaro.austin(>   id_pasien VARCHAR(10) NOT NULL,
alvaro.austin(>   FOREIGN KEY (id_kamar) REFERENCES KAMAR(id_kamar),
alvaro.austin(>   FOREIGN KEY (id_pasien) REFERENCES PASIEN(id_pasien),
alvaro.austin(>   tgl_masuk DATE NOT NULL,
alvaro.austin(>   tgl_keluar DATE,
alvaro.austin(>   PRIMARY KEY (id_rawat_inap)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \d\ RAWAT_INAP
invalid command \. Try \? for help.
alvaro.austin=> \d RAWAT_INAP
          Table "siwanap.rawat_inap"
   Column    |      Type       | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_rawat_inap | character varying(10) |           | not null |
 id_kamar      | character varying(10) |           | not null |
 id_pasien     | character varying(10) |           | not null |
 tgl_masuk     | date             |           | not null |
 tgl_keluar    | date             |           | not null |
Indexes:
 "rawat_inap_pkey" PRIMARY KEY, btree (id_rawat_inap)
Foreign-key constraints:
 "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)
 "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

MEMBUAT TABLE SHIFT_PERAWAT

```
kawung.cs.ui.ac.id - PuTTY

alvaro.austin=> CREATE TABLE SIWANAP.SHIFT_PERAWAT(
alvaro.austin(>   id_shift_perawat VARCHAR(10) NOT NULL,
alvaro.austin(>   id_perawat VARCHAR(10) NOT NULL,
alvaro.austin(>   id_rawat_inap VARCHAR(10) NOT NULL,
alvaro.austin(>   FOREIGN KEY (id_perawat) REFERENCES PERAWAT(id_perawat) NOT NULL,
alvaro.austin(>   FOREIGN KEY (id_rawat_inap) REFERENCES RAWAT_INAP(id_rawat_inap) NOT NULL,
alvaro.austin(>   waktu_mulai TIMESTAMP NOT NULL,
alvaro.austin(>   tgl_keluar TIMESTAMP,
alvaro.austin(>   PRIMARY KEY (id_shift_perawat)
alvaro.austin(> );
ERROR:  syntax error at or near "NULL"
LINE 5: ...GN KEY (id_perawat) REFERENCES PERAWAT(id_perawat) NOT NULL,
^
alvaro.austin=> CREATE TABLE SIWANAP.SHIFT_PERAWAT(
alvaro.austin(>   id_shift_perawat VARCHAR(10) NOT NULL,
alvaro.austin(>   id_perawat VARCHAR(10) NOT NULL,
alvaro.austin(>   id_rawat_inap VARCHAR(10) NOT NULL,
alvaro.austin(>   FOREIGN KEY (id_perawat) REFERENCES PERAWAT(id_perawat),
alvaro.austin(>   FOREIGN KEY (id_rawat_inap) REFERENCES RAWAT_INAP(id_rawat_inap),
alvaro.austin(>   waktu_mulai TIMESTAMP NOT NULL,
alvaro.austin(>   tgl_keluar TIMESTAMP,
alvaro.austin(>   PRIMARY KEY (id_shift_perawat)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \d SHIFT_PERAWAT
      Table "siwanap.shift_perawat"
     Column |          Type          | Collation | Nullable | Default
-----+-----+-----+-----+-----+
id_shift_perawat | character varying(10) |           | not null |
id_perawat | character varying(10) |           | not null |
id_rawat_inap | character varying(10) |           | not null |
waktu_mulai | timestamp without time zone |           | not null |
tgl_keluar | timestamp without time zone |           |           |
Indexes:
"shift_perawat_pkey" PRIMARY KEY, btree (id_shift_perawat)
Foreign-key constraints:
"shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
"shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=>
```

MEMBUAT TABLE DOKTER_RAWAT_INAP

```
kawung.cs.ui.ac.id - PuTTY

alvaro.austin(>   waktu_mulai TIMESTAMP NOT NULL,
alvaro.austin(>   tgl_keluar TIMESTAMP,
alvaro.austin(>   PRIMARY KEY (id_shift_perawat)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \d SHIFT_PERAWAT
      Table "siwanap.shift_perawat"
     Column |          Type          | Collation | Nullable | Default
-----+-----+-----+-----+-----+
id_shift_perawat | character varying(10) |           | not null |
id_perawat | character varying(10) |           | not null |
id_rawat_inap | character varying(10) |           | not null |
waktu_mulai | timestamp without time zone |           | not null |
tgl_keluar | timestamp without time zone |           |           |
Indexes:
"shift_perawat_pkey" PRIMARY KEY, btree (id_shift_perawat)
Foreign-key constraints:
"shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
"shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=> CREATE TABLE SIWANAP.DOKTER_RAWAT_INAP(
alvaro.austin(>   id_dokter VARCHAR(10),
alvaro.austin(>   id_rawat_inap VARCHAR(10),
alvaro.austin(>   FOREIGN KEY (id_dokter) REFERENCES DOKTER(id_dokter),
alvaro.austin(>   FOREIGN KEY (id_rawat_inap) REFERENCES RAWAT_INAP(id_rawat_inap),
alvaro.austin(>   PRIMARY KEY (id_dokter, id_rawat_inap)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \d DOKTER_RAWAT_INAP
      Table "siwanap.dokter_rawat_inap"
     Column |          Type          | Collation | Nullable | Default
-----+-----+-----+-----+-----+
id_dokter | character varying(10) |           | not null |
id_rawat_inap | character varying(10) |           | not null |
Indexes:
"dokter_rawat_inap_pkey" PRIMARY KEY, btree (id_dokter, id_rawat_inap)
Foreign-key constraints:
"dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
"dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

MEMBUAT TABLE PEMBERIAN_OBAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin(> FOREIGN KEY (id_rawat_inap) REFERENCES RAWAT_INAP(id_rawat_inap),
alvaro.austin(> PRIMARY KEY (id_dokter, id_rawat_inap)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \d DOKTER_RAWAT_INAP
      Table "siwanap.dokter_rawat_inap"
   Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
id_dokter | character varying(10) |          | not null |
id_rawat_inap | character varying(10) |          | not null |
Indexes:
"pk_dokter_rawat_inap_pkey" PRIMARY KEY, btree (id_dokter, id_rawat_inap)
Foreign-key constraints:
"fk_dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
"fk_dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=> CREATE TABLE SIWANAP.PEMBERIAN_OBAT(
alvaro.austin(> id_pemberian_obat VARCHAR(10) NOT NULL,
alvaro.austin(> id_shift_perawat VARCHAR(10) NOT NULL,
alvaro.austin(> id_obat VARCHAR(10) NOT NULL,
alvaro.austin(> FOREIGN KEY (id_shift_perawat) REFERENCES SHIFT_PERAWAT(id_shift_perawat),
alvaro.austin(> FOREIGN KEY (id_obat) REFERENCES OBAT(id_obat),
alvaro.austin(> dosis VARCHAR(10) NOT NULL,
alvaro.austin(> PRIMARY KEY (id_pemberian_obat)
alvaro.austin(> );
CREATE TABLE
alvaro.austin=> \d PEMBERIAN_OBAT
      Table "siwanap.pemberian_obat"
   Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
id_pemberian_obat | character varying(10) |          | not null |
id_shift_perawat | character varying(10) |          | not null |
id_obat | character varying(10) |          | not null |
dosis | character varying(10) |          | not null |
Indexes:
"pk_pemberian_obat_pkey" PRIMARY KEY, btree (id_pemberian_obat)
Foreign-key constraints:
"fk_pemberian_obat_id_obat_fkey" FOREIGN KEY (id_obat) REFERENCES obat(id_obat)
"fk_pemberian_obat_id_shift_perawat_fkey" FOREIGN KEY (id_shift_perawat) REFERENCES shift_perawat(id_shift_perawat)

alvaro.austin=>
```

2. **(Trivia)** Apakah kita dapat membuat **FOREIGN KEY** sebuah atribut yang me-refer kepada atribut lain yang **bukan PRIMARY KEY**? Jawaban:

Kita bisa membuat foreign key pada sebuah attribute lain yang bukan primary key. Hal yang perlu dipastikan adalah, apabila foreign key tersebut merujuk/refer kepada attribute yang bukan merupakan primary key maka attribute tersebut harus bersifat unik.

3. **(Trivia)** Apakah sebuah tabel bisa tidak memiliki **KEY**?

Sebuah table bisa saja tidak memiliki key. Walaupun table tersebut akan dikatakan sebagai *denormalized table*. Hal ini artinya table tersebut tidak seperti table yang normal. Membuat table tanpa PRIMARY KEY bisa saja terjadi, namun sangat tidak disarankan. Hal ini karena kita tidak dapat membedakan data yang lain dengan satu data yang lainnya. Terkadang perbedaan data tersebut tidaklah berarti oleh karena itu kita dapat membuat table tanpa memiliki KEY. Kekurangan utama, bisa saja terdapat duplikat line

Latihan 2

1. **[SQL] Soal nomor 1**
INSERT INTO DOCTOR

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023



FACULTY OF
COMPUTER
SCIENCE

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('D006', 'Barty Leebeter', '087601762815, 'bleebeter5@wj.com', 'penyakit dalam'),
alvaro.austin-> ('D007', 'Ly Spelllessy', '087114027540, 'lspelllessy6@logspot.com', 'penyakit dalam'),
alvaro.austin-> ('D008', 'Den Stollsteimer', '085054750630, 'dstollsteimer7@myspace.com', 'anak'),
alvaro.austin-> ('D009', 'Jenda Chaudret', '087860070111, 'jchaudret@example.com', 'anak'),
alvaro.austin-> ('D010', 'Moreen Hebbelthwaite', '083109586118, 'mhebblethwaite9@buzzfeed.com', 'anak'),
alvaro.austin-> ('D011', 'Idalia Caugthe', '088041581978, 'icauagthe@samsung.com', 'anak'),
alvaro.austin-> ('D012', 'Darbie Howle', '084548778195, 'dhowle8@zimbio.com', 'anak'),
alvaro.austin-> ('D013', 'Meade Munin', '085430172820, 'mmunnc8@si.edu', 'anak'),
alvaro.austin-> ('D014', 'Josephine Schnieder', '084551802662, 'jschnieder@umn.edu', 'anak'),
alvaro.austin-> ('D015', 'Rachael Redmire', '081414872968, 'rredmiree@vimeo.com', 'saraf'),
alvaro.austin-> ('D016', 'Sherry Fiveash', '081836762704, 'sfiveashf@domainmarket.com', 'saraf'),
alvaro.austin-> ('D017', 'Stewart Filkov', '081438198883, 'stilkovg@fastcompany.com', 'saraf'),
alvaro.austin-> ('D018', 'Nero Vanyard', '081684545781, 'nvanyard@technorati.com', 'saraf'),
alvaro.austin-> ('D019', 'Shepperd Lichfield', '084437697707, 'slichfieldi@tiny.cc', 'saraf'),
alvaro.austin-> ('D020', 'Candy Armingr', '084319934032, 'carmingr)@abc.net.au', 'saraf'),
alvaro.austin-> ('D021', 'Lazaro Morston', '084529491412, 'lmorstonk@nymag.com', 'saraf'),
alvaro.austin-> ('D022', 'Klemens Braybrooks', '083117438823, 'kbraybrooks1@abc.net.au', 'kandungan dan ginekologi'),
alvaro.austin-> ('D023', 'Shandy Mandale', '081234079194, 'ssteilm@quantwaste.com', 'kandungan dan ginekologi'),
alvaro.austin-> ('D024', 'Betty Normandale', '083088032291, 'bnormandale@list-manage.com', 'kandungan dan ginekologi'),
alvaro.austin-> ('D025', 'Jacinta Micco', '082769828991, 'jmicco@illinois.edu', 'kandungan dan ginekologi'),
alvaro.austin-> ('D026', 'Malissa Richens', '082943697788, 'mrichenesp@weather.com', 'kandungan dan ginekologi'),
alvaro.austin-> ('D027', 'Emery Brakespear', '083756297748, 'ebrakespear@utexas.edu', 'kandungan dan ginekologi'),
alvaro.austin-> ('D028', 'Haisley Ivashchenko', '084351641169, 'hivashchenkorenhome.pl', 'kandungan dan ginekologi'),
alvaro.austin-> ('D029', 'Devlin Earney', '081003195082, 'dearney9@sbwire.com', 'bedah'),
alvaro.austin-> ('D030', 'Carl Adelsberg', '087917206718, 'cadelsberg@networksolutions.com', 'bedah'),
alvaro.austin-> ('D031', 'Gearard Stapelis', '085738280407, 'gstapelis@hc360.com', 'bedah'),
alvaro.austin-> ('D032', 'Cassandra Noddles', '081220215324, 'cnoddlesy@ dell.com', 'bedah'),
alvaro.austin-> ('D033', 'Genvieve Guillotin', '081315397179, 'gguillotin@theatlantic.com', 'bedah'),
alvaro.austin-> ('D034', 'Tienia Klimmek', '089104117514, 'tklimmekx@ocn.ne.jp', 'bedah'),
alvaro.austin-> ('D035', 'Garry Aspinell', '089869528031, 'gaspinelle@ cargocollective.com', 'bedah'),
alvaro.austin-> ('D036', 'Gerrianna Mardall', '081743438027, 'gmardallz@vinaora.com', 'kulit dan kelamin'),
alvaro.austin-> ('D037', 'Lawry Galiford', '089124483409, 'lgaliford10@sgate.com', 'kulit dan kelamin'),
alvaro.austin-> ('D038', 'Bev Pieracci', '083814350651, 'bpieracci0@dedecms.com', 'kulit dan kelamin'),
alvaro.austin-> ('D039', 'Zebulon Blacklawe', '086705193433, 'zblacklawe12@globo.com', 'kulit dan kelamin'),
alvaro.austin-> ('D040', 'Tobias Trusse', '0810237110802, 'ttrusse13@sun.com', 'kulit dan kelamin'),
alvaro.austin-> ('D041', 'Geoff Winthrop', '087843866302, 'gwinthrop14@yelp.com', 'kulit dan kelamin'),
alvaro.austin-> ('D042', 'Adama Savage', '089135334290, 'asavage15@tiny.cc', 'kulit dan kelamin'),
alvaro.austin-> ('D043', 'Sigismund Stockbridge', '084252661633, 'stockbridge16@psu.edu', 'kulit dan kelamin'),
alvaro.austin-> ('D044', 'Karna Fehners', '086464242539, 'kfehners17@joomla.org', 'mata'),
alvaro.austin-> ('D045', 'Lambert Wixey', '082923923502, 'lwixey18@hhs.gov', 'mata'),
alvaro.austin-> ('D046', 'Vanny Brouwer', '088896473691, 'vbrouwer19@apache.org', 'mata'),
alvaro.austin-> ('D047', 'Sephira Copsey', '087807546433, 'scopseyal@q.co', 'mata'),
alvaro.austin-> ('D048', 'Lari Jobbings', '081309045282, 'lijobbings1b@furl.net', 'mata'),
alvaro.austin-> ('D049', 'Deana Gilhespy', '081079635491, 'dgilhespy@nature.com', 'mata'),
alvaro.austin-> ('D050', 'Ulrich Denisevich', '085685636571, 'udenisevich1@symantec.com', 'mata'),
INSERT 0 50
alvaro.austin=>
```

INSERT INTO PASIEN

```
kawung.cs.ui.ac.id - PuTTY
:00,'P'),
alvaro.austin-> ('PA25', 'Hamlen Ryles', 'Jl Jend A Yani 286 Ged Graha Pangeran Unit 7-C-1 7th Fl, Jawa Timur', '089078717955, 'hryleso@exblog.jp', '1995-10-15 00:00:00', 'P'),
alvaro.austin-> ('PA26', 'Andrew Ginnell', 'Jl P Jayakarta 141 Bl 2-D/17-18, Dki Jakarta', '081546125433, 'aginnellp@clickbank.net', '1994-09-06 00:00:00', 'L'),
alvaro.austin-> ('PA27', 'Archibaldo Wanklyn', 'Jl Jelambar Jaya II 8, Dki Jakarta', '087948788158, 'awanklyng@prweb.com', '1968-07-21 00:00:00', 'P'),
alvaro.austin-> ('PA28', 'Stewart Mustard', 'Jl KH Hasyim Ashari 33-O, Dki Jakarta', '088177679007, 'smustard@phppb.com', '1964-01-10 00:00:00', 'L'),
alvaro.austin-> ('PA29', 'Bevin Carlino', 'Jl Jelambar Brt III/20, Dki Jakarta', '087072282157, 'bcarlinos@paypal.com', '1960-05-15 00:00:00', 'L'),
alvaro.austin-> ('PA30', 'Orson MacGiffin', 'Psr Kecapi 12, Dki Jakarta', '083721927052, 'omacgiffin@marriott.com', '1977-04-13 00:00:00', 'P'),
alvaro.austin-> ('PA31', 'Garold Onslow', 'Jl Ehava PLN Gandul, Dki Jakarta', '081141510588, 'gonslowu@blogs.com', '1979-08-12 00:00:00', 'L'),
alvaro.austin-> ('PA32', 'Barry Steljes', 'Jl Kramat Raya 148 F, Dki Jakarta', '086378562628, 'bsteljesv@bigcartel.com', '1984-03-28 00:00:00', 'L'),
alvaro.austin-> ('PA33', 'Meade Redington', 'Jl Sunan Muria 7 RT 007/015, Dki Jakarta', '083145220454, 'mredingtonw@wikipedia.org', '1992-02-15 00:00:00', 'L'),
alvaro.austin-> ('PA34', 'Maitilde Cunday', 'Jl Melayu Besar 68, Dki Jakarta', '089473699365, 'mcundayx@xrea.com', '1996-04-06 00:00:00', 'P'),
alvaro.austin-> ('PA35', 'Judy Phillip', 'Psr Rawa Bening Bl CC/13 Rawa Bunga, Jakarta', '081589924398, 'jphillipy@facebook.com', '1995-06-08 00:00:00', 'P'),
alvaro.austin-> ('PA36', 'Karel Stogell', 'Jl Batu Tulis 16, Dki Jakarta', '085872264445, 'kstogellz@globe.com', '1969-06-04 00:00:00', 'L'),
alvaro.austin-> ('PA37', 'Genna Mechem', 'Jl Raden Saleh 51 Pav, Dki Jakarta', '082730586822, 'gmechem10@delicious.com', '1993-03-17 00:00:00', 'L'),
alvaro.austin-> ('PA38', 'Tilly Wallwork', 'Jl Pulo Buaran II Bl R/2, Dki Jakarta', '085620409570, 'twallwork1@archive.org', '1979-04-29 00:00:00', 'P'),
alvaro.austin-> ('PA39', 'Holt Rumbelow', 'Jl Keagungan 9, Dki Jakarta', '088558904715, 'hrumbelow12@tiny.cc', '1962-02-22 00:00:00', 'P'),
alvaro.austin-> ('PA40', 'Yard Fiddler', 'Jl Cengkeh 16/17, Dki Jakarta', '081354446380, 'yfiddler13@delicious.com', '1967-10-10 00:00:00', 'L'),
alvaro.austin-> ('PA41', 'Haywood Randles', 'Jl Krekot Bunder IV/125, Dki Jakarta', '082242025651, 'hrandies14@taobao.com', '2005-09-12 00:00:00', 'L'),
alvaro.austin-> ('PA42', 'Fiona Passmore', 'Jl Tenggiri 2, Dki Jakarta', '081858210291, 'fpassmore15@gmpg.org', '1970-11-19 00:00:00', 'P'),
alvaro.austin-> ('PA43', 'Donni OHaire', 'JL SWASEBADA BARAT XX NO.47, KEBON BAWANG, TANJUNG PRIOK', '083164568355, 'dohaire16@1688.com', '1961-05-12 00:00:00', 'P'),
alvaro.austin-> ('PA44', 'Elena Badgers', 'Plaza Ciputat Mas Bl C/5 A Kav CDEF, Dki Jakarta', '082734861577, 'ebadgers17@mit.edu', '1994-03-15 00:00:00', 'L'),
alvaro.austin-> ('PA45', 'Welsh Landeaux', 'Jl Krekot Jaya Bl E/3, Dki Jakarta', '081289839793, 'wlandeaux18@google.de', '1974-03-03 00:00:00', 'L'),
alvaro.austin-> ('PA46', 'Win Piggford', 'Jl Muara Baru Ujung Bl S, Jakarta', '081394260350, 'wpiggford19@addtoany.com', '1967-05-26 00:00:00', 'P'),
alvaro.austin-> ('PA47', 'Raddy Klatenga', 'Jl Suryoprano 2 Kompl Harmoni Plaza Bl E/28, Dki Jakarta', '089925774888, 'rklatengala@live.com', '1982-06-13 00:00:00', 'P'),
alvaro.austin-> ('PA48', 'Tracey Varey', 'Jl Bekasi Tmr II 30 RT 015/04, Dki Jakarta', '081307584054, 'tvareylb@arizona.edu', '1971-10-17 00:00:00', 'P'),
alvaro.austin-> ('PA49', 'Morie Davisson', 'Jl Kuningan Brt 56, Dki Jakarta', '088928959829, 'mdavissonlc@census.gov', '1979-04-17 00:00:00', 'P'),
alvaro.austin-> ('PA50', 'Bobbye Elner', 'Jl TMII 42, Dki Jakarta', '086434766742, 'belnerid@rakuten.co.jp', '1992-05-28 00:00:00', 'P'),
INSERT 0 50
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

INSERT INTO PERAWAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('PE06','Talbot Dust',084354834510,'tdust5@csmonitor.com','P'),
alvaro.austin-> ('PE07','Sydel Fiveash',084079342810,'sfiveash6@yellowbook.com','P'),
alvaro.austin-> ('PE08','Constantine Hukin',081254798730,'chukin7@google.com.au','L'),
alvaro.austin-> ('PE09','Giacinta Graine',081338605844,'ggraine@seesaa.net','P'),
alvaro.austin-> ('PE10','Sayers Windmill',082265157929,'swindmill9@csmonitor.com','L'),
alvaro.austin-> ('PE11','Mair Riddich',089376194780,'mriddicha@google.co.uk','L'),
alvaro.austin-> ('PE12','Stanwood Redhole',081661848974,'redholeb@cafepress.com','P'),
alvaro.austin-> ('PE13','Noreen Agostini',081599259095,'nagostinic@about.com','P'),
alvaro.austin-> ('PE14','Harli Lisciandro',089888092944,'hlisciandro@irs.gov','L'),
alvaro.austin-> ('PE15','Brannon Sebring',085469789160,'bsebringe@usatoday.com','L'),
alvaro.austin-> ('PE16','Charyl Doorbar',086351061660,'cdoorbar@economist.com','L'),
alvaro.austin-> ('PE17','Sanderson Worg',083770914651,'sworg@oakley.com','P'),
alvaro.austin-> ('PE18','Russell Prestedge',087575175601,'rprestedge@shutterfly.com','P'),
alvaro.austin-> ('PE19','Matthew Flockhart',082868873219,'mflockhart@technorati.com','L'),
alvaro.austin-> ('PE20','Clarabelle Gong',08173374328,'cgongj@lodo.com','L'),
alvaro.austin-> ('PE21','Karen Cotillard',081302516078,'kcotillard@ommiture.com','P'),
alvaro.austin-> ('PE22','Clea Eddin',083017433463,'ceebdin@ftc.gov','L'),
alvaro.austin-> ('PE23','Dalis Runnings',081381398278,'drummings@google.ru','L'),
alvaro.austin-> ('PE24','Jandy Bassingham',088953069688,'jbassingham@open.io','L'),
alvaro.austin-> ('PE25','Celle Veel',087625832996,'cveel@ehow.com','P'),
alvaro.austin-> ('PE26','Willow De Cruce',085175931741,'wdep@buzzfeed.com','L'),
alvaro.austin-> ('PE27','Jeth Barlow',085529041701,'jbarlowq@tinypic.com','P'),
alvaro.austin-> ('PE28','Mitchell Greger',086521338439,'mgregerr@chronoengine.com','P'),
alvaro.austin-> ('PE29','Vonny Northway',084801332978,'vnorthways@bigcartel.com','B'),
alvaro.austin-> ('PE30','Jarrett Bompson',087495579595,'jbompsonst@shareasale.com','L'),
alvaro.austin-> ('PE31','Kelsey Fraschini',081659987329,'kfraschini@google.it','L'),
alvaro.austin-> ('PE32','Rafa Demare',081681256401,'rdemare@akura.ne.jp','L'),
alvaro.austin-> ('PE33','Lizette Rodolico',085849741984,'lrodolico@uiuc.edu','P'),
alvaro.austin-> ('PE34','Shaughn Bernardotte',084852720894,'sbernardottex@huffingtonpost.com','P'),
alvaro.austin-> ('PE35','Ella Arndell',087453241219,'earnell@about.me','P'),
alvaro.austin-> ('PE36','Teodor Schlag',081495678007,'tschlagz@hbcnews.com','P'),
alvaro.austin-> ('PE37','Nobe Claye',081253032172,'nclaye10@artisteer.com','P'),
alvaro.austin-> ('PE38','Ennis Mayston',089701638247,'emayston11@en.com','L'),
alvaro.austin-> ('PE39','Millicent Crawley',089047721632,'mcrawley12@google.co.jp','L'),
alvaro.austin-> ('PE40','Paige Dowell',089288766146,'pdowell113@gov.uk','P'),
alvaro.austin-> ('PE41','Dasi Mirams',081891579842,'dmirams14@wired.com','P'),
alvaro.austin-> ('PE42','Ossie Merriday',084572431361,'omerriday15@mpg.org','P'),
alvaro.austin-> ('PE43','Federica Blanden',084478755558,'fblanden1@economist.com','L'),
alvaro.austin-> ('PE44','Thordnir Quiddinton',083020969573,'tquiddinton17@flavors.me','L'),
alvaro.austin-> ('PE45','Corine Bouzan',082024803547,'cbouzan18@google.com.br','L'),
alvaro.austin-> ('PE46','Gipsy Gullefant',089545827319,'ggullefant9@theguardian.com','L'),
alvaro.austin-> ('PE47','Andrei Sandland',085005433694,'asandlandia@usnews.com','L'),
alvaro.austin-> ('PE48','Jeremias Crickmore',08655156106,'jcrickmorelb@furl.net','P'),
alvaro.austin-> ('PE49','Ula Lardeux',087019940749,'ulardeuxlc@vk.com','L'),
alvaro.austin-> ('PE50','Bella Prall',084027794222,'bprallid@squarespace.com','P');
INSERT 0 50
alvaro.austin=>
```

INSERT INTO KAMAR

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> INSERT INTO KAMAR VALUES
alvaro.austin-> ('KA01','Merpati 1','Kelas 3',6,0,170000.0),
alvaro.austin-> ('KA02','Merpati 2','Kelas 3',6,0,170000.0),
alvaro.austin-> ('KA03','Merpati 3','Kelas 3',6,0,170000.0),
alvaro.austin-> ('KA04','Merpati 4','Kelas 3',6,0,170000.0),
alvaro.austin-> ('KA05','Merpati 5','Kelas 3',6,0,170000.0),
alvaro.austin-> ('KA06','Jalak 1','Kelas 2',4,0,300000.0),
alvaro.austin-> ('KA07','Jalak 2','Kelas 2',4,0,300000.0),
alvaro.austin-> ('KA08','Jalak 3','Kelas 2',4,0,300000.0),
alvaro.austin-> ('KA09','Jalak 4','Kelas 2',4,0,300000.0),
alvaro.austin-> ('KA10','Jalak 5','Kelas 2',4,0,300000.0),
alvaro.austin-> ('KA11','Murai 1','Kelas 1',2,0,700000.0),
alvaro.austin-> ('KA12','Murai 2','Kelas 1',2,0,700000.0),
alvaro.austin-> ('KA13','Murai 3','Kelas 1',2,0,700000.0),
alvaro.austin-> ('KA14','Murai 4','Kelas 1',2,0,700000.0),
alvaro.austin-> ('KA15','Murai 5','Kelas 1',2,0,700000.0),
alvaro.austin-> ('KA16','Merak 1','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA17','Merak 2','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA18','Merak 3','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA19','Merak 4','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA20','Merak 5','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA21','Merak 6','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA22','Merak 7','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA23','Merak 8','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA24','Merak 9','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA25','Merak 10','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA26','Merak 11','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA27','Merak 12','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA28','Merak 13','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA29','Merak 14','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA30','Merak 15','VIP B',1,0,1100000.0),
alvaro.austin-> ('KA31','Elang 1','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA32','Elang 2','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA33','Elang 3','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA34','Elang 4','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA35','Elang 5','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA36','Elang 6','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA37','Elang 7','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA38','Elang 8','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA39','Elang 9','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA40','Elang 10','VIP A',1,0,1600000.0),
alvaro.austin-> ('KA41','Garuda 1','VVIP',1,0,3100000.0),
alvaro.austin-> ('KA42','Garuda 2','VVIP',1,0,3100000.0),
alvaro.austin-> ('KA43','Garuda 3','VVIP',1,0,3100000.0),
alvaro.austin-> ('KA44','Garuda 4','VVIP',1,0,3100000.0),
alvaro.austin-> ('KA45','Garuda 5','VVIP',1,0,3100000.0);
INSERT 0 45
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

INSERT INTO OBAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('OB15','desvenlafaxine succinate'),
alvaro.austin-> ('OB16','Nitrogen'),
alvaro.austin-> ('OB17','Treatment Set TS350256'),
alvaro.austin-> ('OB18','Acetaminophen'),
alvaro.austin-> ('OB19','Titanium Dioxide'),
alvaro.austin-> ('OB20','Glipizide'),
alvaro.austin-> ('OB21','Salsalate'),
alvaro.austin-> ('OB22','Triclosan'),
alvaro.austin-> ('OB23','Cefprozil'),
alvaro.austin-> ('OB24','Octinoxate and Octocrylene and Oxybenzone and Octisalate and Meradimate and Titanium Dioxide'),
alvaro.austin-> ('OB25','azithromycin'),
alvaro.austin-> ('OB26','isotretinoin'),
alvaro.austin-> ('OB27','Monobasic Sodium Phosphate and Dibasic Sodium Phosphate'),
('OB33','LOVASTATIN'),
('OB34','Codeine Phosphate, Phenylephrine Hydrochloride, Pyrilamine Maleate'),
('OB35','benzoyl peroxide'),
('OB36','calcium carbonate'),
('OB37','Methylprednisolone'),
('OB38','Metformin Hydrochloride'),
('OB39','Rivastigmine Tartrate'),
('OB40','Penicillium notatum'),
('OB41','TITANIUM DIOXIDE'),
alvaro.austin-> ('OB28','Aspirin, DEXTROMETHORPHAN HYDROBROMIDE, DOXYLAMINE SUCCINATE, and PHENYLEPHRINE BITARTRATE'),
alvaro.austin-> ('OB29','TRICLOSAN'),
alvaro.austin-> ('OB30','BENZOYL PEROXIDE'),
alvaro.austin-> ('OB31','Nabumetone'),
alvaro.austin-> ('OB32','OCTINOXATE, OCTISALATE'),
alvaro.austin-> ('OB33','LOVASTATIN'),
alvaro.austin-> ('OB34','Codeine Phosphate, Phenylephrine Hydrochloride, Pyrilamine Maleate'),
alvaro.austin-> ('OB35','benzoyl peroxide'),
alvaro.austin-> ('OB36','calcium carbonate'),
alvaro.austin-> ('OB37','Methylprednisolone'),
alvaro.austin-> ('OB38','Metformin Hydrochloride'),
alvaro.austin-> ('OB39','Rivastigmine Tartrate'),
alvaro.austin-> ('OB40','Penicillium notatum'),
alvaro.austin-> ('OB41','TITANIUM DIOXIDE'),
alvaro.austin-> ('OB42','pralatrexate'),
alvaro.austin-> ('OB43','Salicylic Acid'),
alvaro.austin-> ('OB44','Benzethonium chloride'),
alvaro.austin-> ('OB45','Progesterone'),
alvaro.austin-> ('OB46','SILVER NITRATE,AVENA SATIVA FLOWERING TOP,TURNERA DIFFUSA LEAFY TWIG,LYCOPODIUM CLAVATUM SPORE,PHOSPHORIC ACID, SELENIUM'),
),
alvaro.austin-> ('OB47','Menthол, Capsicum extract'),
alvaro.austin-> ('OB48','Octinoxate, Titanium Dioxide, Zinc Oxide'),
alvaro.austin-> ('OB49','Salicylic acid'),
alvaro.austin-> ('OB50','TRICLOSAN'),
INSERT 0 50
alvaro.austin=>
```

INSERT INTO RAWAT_INAP

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('RI05','KA24','PA44','2021-04-28 00:00:00','2021-04-30 00:00:00'),
alvaro.austin-> ('RI06','KA19','BA33','2021-05-01 00:00:00','2021-05-30 00:00:00'),
alvaro.austin-> ('RI07','KA33','BA07','2021-07-31 00:00:00','2021-08-12 00:00:00'),
alvaro.austin-> ('RI08','KA38','BA34','2020-04-15 00:00:00','2020-05-13 00:00:00'),
alvaro.austin-> ('RI09','KA07','BA43','2021-12-03 00:00:00',NULL),
alvaro.austin-> ('RI10','KA13','BA12','2020-12-02 00:00:00','2020-12-15 00:00:00'),
alvaro.austin-> ('RI11','KA13','BA48','2021-07-02 00:00:00','2021-07-06 00:00:00'),
alvaro.austin-> ('RI12','KA11','EA34','2020-10-16 00:00:00','2020-10-28 00:00:00'),
alvaro.austin-> ('RI13','KA02','PA22','2022-01-19 00:00:00','2022-01-25 00:00:00'),
alvaro.austin-> ('RI14','KA36','PA14','2022-01-01 00:00:00','2022-01-04 00:00:00'),
alvaro.austin-> ('RI15','KA24','PA44','2020-04-26 00:00:00','2020-05-18 00:00:00'),
alvaro.austin-> ('RI16','KA09','PA08','2022-03-27 00:00:00','2022-04-21 00:00:00'),
alvaro.austin-> ('RI17','KA19','PA09','2020-10-19 00:00:00','2020-11-17 00:00:00'),
alvaro.austin-> ('RI18','KA10','PA43','2021-08-10 00:00:00','2021-08-18 00:00:00'),
alvaro.austin-> ('RI19','KA38','PA20','2022-07-24 00:00:00','2022-08-22 00:00:00'),
alvaro.austin-> ('RI20','KA31','PA49','2020-11-29 00:00:00','2020-12-11 00:00:00'),
alvaro.austin-> ('RI21','KA40','PA29','2020-12-25 00:00:00','2021-01-23 00:00:00'),
alvaro.austin-> ('RI22','KA01','PA12','2020-10-17 00:00:00','2020-11-14 00:00:00'),
alvaro.austin-> ('RI23','KA30','PA06','2021-12-06 00:00:00','2021-12-10 00:00:00'),
alvaro.austin-> ('RI24','KA04','PA27','2022-05-27 00:00:00','2022-05-31 00:00:00'),
alvaro.austin-> ('RI25','KA23','BA28','2022-01-02 00:00:00','2022-01-20 00:00:00'),
alvaro.austin-> ('RI26','KA22','BA36','2020-03-21 00:00:00','2020-03-23 00:00:00'),
alvaro.austin-> ('RI27','KA42','PA42','2021-01-15 00:00:00','2021-02-12 00:00:00'),
alvaro.austin-> ('RI28','KA08','PA22','2020-06-04 00:00:00','2020-06-12 00:00:00'),
alvaro.austin-> ('RI29','KA30','PA22','2021-12-27 00:00:00',NULL),
alvaro.austin-> ('RI30','KA10','PA27','2020-03-01 00:00:00','2020-03-22 00:00:00'),
alvaro.austin-> ('RI31','KA32','BA22','2021-08-12 00:00:00','2021-08-13 00:00:00'),
alvaro.austin-> ('RI32','KA09','BA19','2021-12-15 00:00:00',NULL),
alvaro.austin-> ('RI33','KA05','BA02','2020-01-06 00:00:00','2020-01-08 00:00:00'),
alvaro.austin-> ('RI34','KA25','BA46','2020-08-03 00:00:00','2020-08-29 00:00:00'),
alvaro.austin-> ('RI35','KA12','BA03','2020-06-24 00:00:00','2020-07-13 00:00:00'),
alvaro.austin-> ('RI36','KA29','BA05','2022-09-05 00:00:00','2022-09-13 00:00:00'),
alvaro.austin-> ('RI37','KA15','BA01','2022-05-17 00:00:00','2022-06-09 00:00:00'),
alvaro.austin-> ('RI38','KA04','BA21','2020-07-07 00:00:00','2020-07-19 00:00:00'),
alvaro.austin-> ('RI39','KA38','BA01','2020-12-23 00:00:00','2021-01-21 00:00:00'),
alvaro.austin-> ('RI40','KA17','BA49','2021-08-11 00:00:00','2021-08-13 00:00:00'),
alvaro.austin-> ('RI41','KA40','PA40','2022-06-07 00:00:00','2022-06-27 00:00:00'),
alvaro.austin-> ('RI42','KA15','BA28','2022-06-28 00:00:00','2022-07-19 00:00:00'),
alvaro.austin-> ('RI43','KA25','PA25','2021-12-03 00:00:00',NULL),
alvaro.austin-> ('RI44','KA36','PA24','2020-06-01 00:00:00','2020-06-14 00:00:00'),
alvaro.austin-> ('RI45','KA08','PA24','2022-03-29 00:00:00','2022-04-04 00:00:00'),
alvaro.austin-> ('RI46','KA35','PA30','2021-12-13 00:00:00','2021-12-31 00:00:00'),
alvaro.austin-> ('RI47','KA17','PA45','2021-12-10 00:00:00','2021-12-19 00:00:00'),
alvaro.austin-> ('RI48','KA36','PA32','2021-12-13 00:00:00',NULL),
alvaro.austin-> ('RI49','KA10','PA23','2020-09-10 00:00:00','2020-09-17 00:00:00'),
alvaro.austin-> ('RI50','KA06','PA39','2022-07-31 00:00:00','2022-08-04 00:00:00'),
INSERT 0 50
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

INSERT INTO SHIFT_PERAWAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('SP55','PE20','RI38','2020-07-08 00:00:00','2020-07-08 12:00:00'),
alvaro.austin-> ('SP56','PE13','RI13','2021-01-20 12:00:00','2022-01-21 00:00:00'),
alvaro.austin-> ('SP57','PE44','RI27','2021-01-17 00:00:00','2021-01-17 12:00:00'),
alvaro.austin-> ('SP58','PE24','RI13','2022-01-21 00:00:00','2022-01-21 12:00:00'),
alvaro.austin-> ('SP59','PE09','RI21','2020-12-26 00:00:00','2020-12-26 12:00:00'),
alvaro.austin-> ('SP60','PE28','RI27','2021-01-17 12:00:00','2021-01-18 00:00:00'),
alvaro.austin-> ('SP61','PE40','RI29','2021-12-29 00:00:00','2021-12-29 12:00:00'),
alvaro.austin-> ('SP62','PE07','RI03','2021-03-16 00:00:00','2021-03-16 12:00:00'),
alvaro.austin-> ('SP63','PE31','RI17','2020-10-20 00:00:00','2020-10-20 12:00:00'),
alvaro.austin-> ('SP64','PE39','RI39','2020-12-24 00:00:00','2020-12-24 12:00:00'),
alvaro.austin-> ('SP65','PE14','RI37','2022-05-19 00:00:00','2022-05-19 12:00:00'),
alvaro.austin-> ('SP66','PE04','RI03','2021-03-16 12:00:00','2021-03-17 00:00:00'),
alvaro.austin-> ('SP67','PE26','RI02','2020-11-30 12:00:00','2020-12-01 00:00:00'),
alvaro.austin-> ('SP68','PE25','RI39','2020-12-24 12:00:00','2020-12-25 00:00:00'),
alvaro.austin-> ('SP69','PE35','RI13','2022-01-21 12:00:00','2022-01-22 00:00:00'),
alvaro.austin-> ('SP70','PE18','RI06','2021-05-02 00:00:00','2021-05-02 12:00:00'),
alvaro.austin-> ('SP71','PE13','RI17','2020-10-20 12:00:00','2020-10-21 00:00:00'),
alvaro.austin-> ('SP72','PE42','RI24','2022-05-27 00:00:00','2022-05-27 12:00:00'),
alvaro.austin-> ('SP73','PE09','RI34','2020-08-04 00:00:00','2020-08-04 12:00:00'),
alvaro.austin-> ('SP74','PE02','RI35','2020-06-25 12:00:00','2020-06-26 00:00:00'),
alvaro.austin-> ('SP75','PE45','RI38','2020-07-08 12:00:00','2020-07-09 00:00:00'),
alvaro.austin-> ('SP76','PE10','RI15','2020-04-28 00:00:00','2020-04-28 12:00:00'),
alvaro.austin-> ('SP77','PE17','RI03','2021-03-17 00:00:00','2021-03-17 12:00:00'),
alvaro.austin-> ('SP78','PE43','RI48','2021-12-14 00:00:00','2021-12-14 12:00:00'),
alvaro.austin-> ('SP79','PE30','RI09','2021-12-04 12:00:00','2021-12-05 00:00:00'),
alvaro.austin-> ('SP80','PE49','RI33','2020-01-07 00:00:00','2020-01-07 12:00:00'),
alvaro.austin-> ('SP81','PE12','RI18','2021-08-11 00:00:00','2021-08-11 12:00:00'),
alvaro.austin-> ('SP82','PE45','RI25','2022-01-03 12:00:00','2022-01-04 00:00:00'),
alvaro.austin-> ('SP83','PE30','RI10','2020-12-04 00:00:00','2020-12-04 12:00:00'),
alvaro.austin-> ('SP84','PE20','RI46','2021-12-14 00:00:00','2021-12-14 12:00:00'),
alvaro.austin-> ('SP85','PE38','RI12','2020-10-17 00:00:00','2020-10-17 12:00:00'),
alvaro.austin-> ('SP86','PE43','RI22','2020-10-18 12:00:00','2020-10-19 00:00:00'),
alvaro.austin-> ('SP87','PE26','RI03','2021-03-17 12:00:00','2021-03-18 00:00:00'),
alvaro.austin-> ('SP88','PE25','RI13','2022-01-22 00:00:00','2022-01-22 12:00:00'),
alvaro.austin-> ('SP89','PE47','RI38','2020-07-09 00:00:00','2020-07-09 12:00:00'),
alvaro.austin-> ('SP90','PE07','RI09','2021-12-05 00:00:00','2021-12-05 12:00:00'),
alvaro.austin-> ('SP91','PE28','RI25','2022-01-04 00:00:00','2022-01-04 12:00:00'),
alvaro.austin-> ('SP92','PE23','RI11','2021-07-03 12:00:00','2021-07-04 00:00:00'),
alvaro.austin-> ('SP93','PE27','RI41','2022-06-08 12:00:00','2022-06-09 00:00:00'),
alvaro.austin-> ('SP94','PE10','RI44','2020-06-02 00:00:00','2020-06-02 12:00:00'),
alvaro.austin-> ('SP95','PE41','RI05','2021-04-30 00:00:00','2021-04-30 12:00:00'),
alvaro.austin-> ('SP96','PE05','RI47','2021-12-11 00:00:00','2021-12-11 12:00:00'),
alvaro.austin-> ('SP97','PE49','RI39','2020-12-25 00:00:00','2020-12-25 12:00:00'),
alvaro.austin-> ('SP98','PE14','RI37','2022-05-19 12:00:00','2022-05-20 00:00:00'),
alvaro.austin-> ('SP99','PE19','RI14','2022-02-03 12:00:00','2022-02-04 00:00:00'),
alvaro.austin-> ('SP100','PE11','RI38','2020-07-09 12:00:00','2020-07-10 00:00:00'),
INSERT 0 100
alvaro.austin=>
```

INSERT INTO DOKTER_RAWAT_INAP

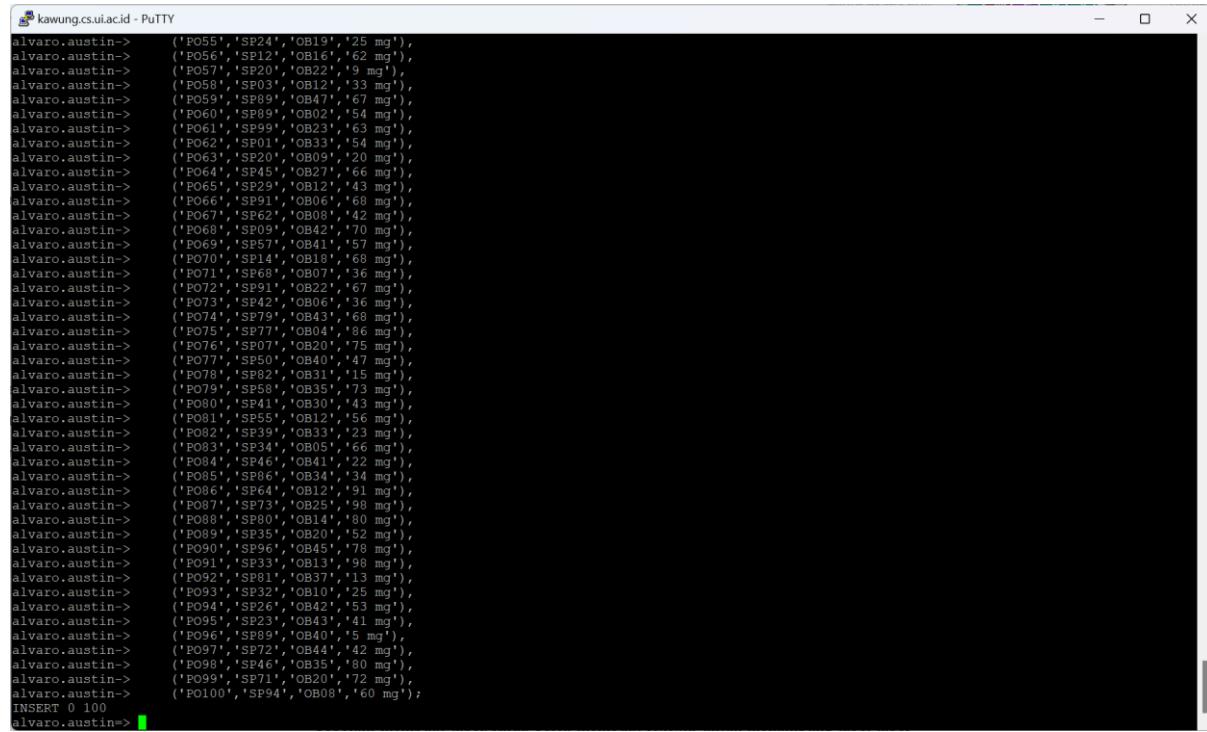
```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('DO23','RI04'),
alvaro.austin-> ('DO04','RI33'),
alvaro.austin-> ('DO20','RI41'),
alvaro.austin-> ('DO21','RI04'),
alvaro.austin-> ('DO26','RI24'),
alvaro.austin-> ('DO35','RI44'),
alvaro.austin-> ('DO49','RI49'),
alvaro.austin-> ('DO25','RI07'),
alvaro.austin-> ('DO02','RI06'),
alvaro.austin-> ('DO02','RI29'),
alvaro.austin-> ('DO06','RI36'),
alvaro.austin-> ('DO25','RI01'),
alvaro.austin-> ('DO09','RI49'),
alvaro.austin-> ('DO36','RI11'),
('DO29','RI11'),
('DO09','RI20'),
('DO47','RI19'),
('DO03','RI20'),
('DO01','RI35'),
('DO06','RI16'),
('DO28','RI25'),
('DO14','RI12'),
('DO09','RI08'),
('DO49','RI16'),
alvaro.austin-> ('DO29','RI11'),
alvaro.austin-> ('DO09','RI20'),
alvaro.austin-> ('DO47','RI19'),
alvaro.austin-> ('DO03','RI20'),
alvaro.austin-> ('DO01','RI35'),
('DO06','RI16'),
('DO28','RI25'),
('DO14','RI12'),
('DO09','RI08'),
('DO49','RI16'),
alvaro.austin-> ('DO16','RI35'),
('DO46','RI04'),
alvaro.austin-> ('DO34','RI41'),
('DO38','RI39'),
alvaro.austin-> ('DO09','RI04'),
('DO03','RI47'),
alvaro.austin-> ('DO01','RI10'),
('DO27','RI24'),
alvaro.austin-> ('DO45','RI43'),
alvaro.austin-> ('DO39','RI48'),
alvaro.austin-> ('DO45','RI04'),
alvaro.austin-> ('DO42','RI33'),
INSERT 0 50
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

INSERT PEMBERIAN_OBAT



```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('P055','SP24','OB19','25 mg'),
alvaro.austin-> ('P056','SP12','OB16','62 mg'),
alvaro.austin-> ('P057','SP20','OB22','9 mg'),
alvaro.austin-> ('P058','SP03','OB12','33 mg'),
alvaro.austin-> ('P059','SP89','OB47','67 mg'),
alvaro.austin-> ('P060','SP89','OB02','54 mg'),
alvaro.austin-> ('P061','SP99','OB23','63 mg'),
alvaro.austin-> ('P062','SP01','OB33','54 mg'),
alvaro.austin-> ('P063','SP20','OB09','20 mg'),
alvaro.austin-> ('P064','SP45','OB27','66 mg'),
alvaro.austin-> ('P065','SP29','OB12','43 mg'),
alvaro.austin-> ('P066','SP91','OB06','69 mg'),
alvaro.austin-> ('P067','SP62','OB08','42 mg'),
alvaro.austin-> ('P068','SP09','OB42','70 mg'),
alvaro.austin-> ('P069','SP57','OB41','57 mg'),
alvaro.austin-> ('P070','SP14','OB18','68 mg'),
alvaro.austin-> ('P071','SP68','OB07','38 mg'),
alvaro.austin-> ('P072','SP91','OB22','67 mg'),
alvaro.austin-> ('P073','SP42','OB06','36 mg'),
alvaro.austin-> ('P074','SP79','OB43','69 mg'),
alvaro.austin-> ('P075','SP77','OB04','88 mg'),
alvaro.austin-> ('P076','SP07','OB20','175 mg'),
alvaro.austin-> ('P077','SP50','OB40','147 mg'),
alvaro.austin-> ('P078','SP82','OB31','115 mg'),
alvaro.austin-> ('P079','SP58','OB35','173 mg'),
alvaro.austin-> ('P080','SP41','OB30','143 mg'),
alvaro.austin-> ('P081','SP55','OB12','56 mg'),
alvaro.austin-> ('P082','SP39','OB33','23 mg'),
alvaro.austin-> ('P083','SP24','OB05','66 mg'),
alvaro.austin-> ('P084','SP46','OB41','22 mg'),
alvaro.austin-> ('P085','SP86','OB34','34 mg'),
alvaro.austin-> ('P086','SP64','OB12','91 mg'),
alvaro.austin-> ('P087','SP73','OB25','98 mg'),
alvaro.austin-> ('P088','SP80','OB14','80 mg'),
alvaro.austin-> ('P089','SP35','OB20','58 mg'),
alvaro.austin-> ('P090','SP96','OB45','78 mg'),
alvaro.austin-> ('P091','SP33','OB13','98 mg'),
alvaro.austin-> ('P092','SP81','OB37','113 mg'),
alvaro.austin-> ('P093','SP32','OB10','125 mg'),
alvaro.austin-> ('P094','SP26','OB42','53 mg'),
alvaro.austin-> ('P095','SP23','OB43','41 mg'),
alvaro.austin-> ('P096','SP89','OB40','5 mg'),
alvaro.austin-> ('P097','SP72','OB44','42 mg'),
alvaro.austin-> ('P098','SP46','OB35','80 mg'),
alvaro.austin-> ('P099','SP71','OB20','72 mg'),
alvaro.austin-> ('P0100','SP94','OB08','60 mg');
INSERT 0 100
alvaro.austin=>
```

2. [Trivia] Jelaskan perbedaan dari 2 cara untuk operasi insert

- INSERT INTO [nama_schema].[nama_table] (nama_atribut1, nama_atribut2, , nama_atributn) VALUES (nilai_atribut1, nilai_atribut2,, nilai_atributn);
- INSERT INTO [nama_schema].[nama_table] VALUES (nilai_atribut1, nilai_atribut2,, nilai_atributn);

Pebedaan yang dapat dilihat adalah pada cara operasi input yang A dengan B adalah adanya nama attribute pada bagian A namun tidak ada pada bagian B. Bagian B dapat dilakukan apabila urutan value yang kita pass sama dengan nama kolom pada table tersebut. Apabila kita menggunakan A, maka akan lebih aman terhadap error input data yang kita masukkan.

Latihan 3

- [SQL] Tampilkan struktur definisi dari semua tabel yang ada pada skema SIWANAP.

DIBAWAH JAWABANNYA

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

STRUKTUR DEFINISI DOKTER

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('PO69','SP57','OB41','57 mg'),
alvaro.austin-> ('PO70','SP14','OB18','68 mg'),
alvaro.austin-> ('PO71','SP68','OB07','36 mg'),
alvaro.austin-> ('PO72','SP91','OB22','67 mg'),
alvaro.austin-> ('PO73','SP42','OB06','38 mg'),
alvaro.austin-> ('PO74','SP79','OB43','68 mg'),
alvaro.austin-> ('PO75','SP77','OB04','86 mg'),
alvaro.austin-> ('PO76','SP07','OB20','75 mg'),
alvaro.austin-> ('PO77','SP50','OB40','47 mg'),
alvaro.austin-> ('PO78','SP82','OB31','15 mg'),
alvaro.austin-> ('PO79','SP58','OB35','73 mg'),
alvaro.austin-> ('PO80','SP41','OB30','43 mg'),
alvaro.austin-> ('PO81','SP55','OB12','56 mg'),
alvaro.austin-> ('PO82','SP39','OB33','23 mg'),
alvaro.austin-> ('PO83','SP34','OB05','66 mg'),
alvaro.austin-> ('PO84','SP46','OB41','22 mg'),
alvaro.austin-> ('PO85','SP66','OB34','34 mg'),
alvaro.austin-> ('PO86','SP64','OB12','91 mg'),
alvaro.austin-> ('PO87','SP73','OB25','98 mg'),
alvaro.austin-> ('PO88','SP80','OB14','80 mg'),
alvaro.austin-> ('PO89','SP35','OB20','52 mg'),
alvaro.austin-> ('PO90','SP96','OB45','78 mg'),
alvaro.austin-> ('PO91','SP33','OB13','98 mg'),
alvaro.austin-> ('PO92','SP81','OB37','13 mg'),
alvaro.austin-> ('PO93','SP32','OB10','25 mg'),
alvaro.austin-> ('PO94','SP26','OB42','53 mg'),
alvaro.austin-> ('PO95','SP23','OB43','41 mg'),
alvaro.austin-> ('PO96','SP89','OB40','5 mg'),
alvaro.austin-> ('PO97','SP72','OB44','42 mg'),
alvaro.austin-> ('PO98','SP46','OB35','80 mg'),
alvaro.austin-> ('PO99','SP71','OB20','72 mg'),
alvaro.austin-> ('PO100','SP94','OB08','60 mg');
INSERT 0 100
alvaro.austin=> \d DOKTER
Table "siwanap.dokter"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_dokter | character varying(10) | | not null |
 nama | character varying(100) | | not null |
 no_telp | character varying(14) | | not null |
 email | character varying(50) | | not null |
 spesialisasi | text | | not null |
Indexes:
 "dokter_pkey" PRIMARY KEY, btree (id_dokter)
Referenced by:
 TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

STRUKTUR DEFINISI PASIEN

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('P085','SP86','OB34','34 mg'),
alvaro.austin-> ('P086','SP64','OB12','91 mg'),
alvaro.austin-> ('P087','SP73','OB25','98 mg'),
alvaro.austin-> ('P088','SP80','OB14','80 mg'),
alvaro.austin-> ('P089','SP35','OB20','52 mg'),
alvaro.austin-> ('P090','SP96','OB45','78 mg'),
alvaro.austin-> ('P091','SP33','OB13','99 mg'),
alvaro.austin-> ('P092','SP81','OB37','13 mg'),
alvaro.austin-> ('P093','SP32','OB10','23 mg'),
alvaro.austin-> ('P094','SP26','OB42','53 mg'),
alvaro.austin-> ('P095','SP23','OB43','41 mg'),
alvaro.austin-> ('P096','SP89','OB40','5 mg'),
alvaro.austin-> ('P097','SP72','OB44','42 mg'),
alvaro.austin-> ('P098','SP46','OB35','80 mg'),
alvaro.austin-> ('P099','SP71','OB20','72 mg'),
alvaro.austin-> ('P0100','SP94','OB08','60 mg');
INSERT 0 100
alvaro.austin=> \d DOKTER
Table "siwanap.dokter"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_dokter | character varying(10) | | not null |
 nama | character varying(100) | | not null |
 no_telp | character varying(14) | | not null |
 email | character varying(50) | | not null |
 spesialisasi | text | | not null |
Indexes:
 "dokter_pkey" PRIMARY KEY, btree (id_dokter)
Referenced by:
 TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
alvaro.austin=> \d PASIEN
Table "siwanap.pasien"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_pasien | character varying(10) | | not null |
 nama | character varying(100) | | not null |
 alamat | text | | not null |
 no_telp | character varying(14) | | not null |
 email | character varying(50) | | not null |
 tgl_lahir | date | | not null |
 jenis_kelamin | character(1) | | not null |
Indexes:
 "pasien_pkey" PRIMARY KEY, btree (id_pasien)
Referenced by:
 TABLE "rawat_inap" CONSTRAINT "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
alvaro.austin=>
```

STRUKTUR DEFINISI PERAWAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ('P099','SP71','OB20','72 mg'),
alvaro.austin-> ('P0100','SP94','OB08','60 mg');
INSERT 0 100
alvaro.austin=> \d DOKTER
Table "siwanap.dokter"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_dokter | character varying(10) | | not null |
 nama | character varying(100) | | not null |
 no_telp | character varying(14) | | not null |
 email | character varying(50) | | not null |
 spesialisasi | text | | not null |
Indexes:
 "dokter_pkey" PRIMARY KEY, btree (id_dokter)
Referenced by:
 TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
alvaro.austin=> \d PASIEN
Table "siwanap.pasien"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_pasien | character varying(10) | | not null |
 nama | character varying(100) | | not null |
 alamat | text | | not null |
 no_telp | character varying(14) | | not null |
 email | character varying(50) | | not null |
 tgl_lahir | date | | not null |
 jenis_kelamin | character(1) | | not null |
Indexes:
 "pasien_pkey" PRIMARY KEY, btree (id_pasien)
Referenced by:
 TABLE "rawat_inap" CONSTRAINT "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
alvaro.austin=> \d PERAWAT
Table "siwanap.perawat"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_perawat | character varying(10) | | not null |
 nama | character varying(100) | | not null |
 no_telp | character varying(14) | | not null |
 email | character varying(50) | | not null |
 jenis_kelamin | character(1) | | not null |
Indexes:
 "perawat_pkey" PRIMARY KEY, btree (id_perawat)
Referenced by:
 TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

STRUKTUR DEFINISI KAMAR

```
kawung.cs.ui.ac.id - PuTTY
Referenced by:
    TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
alvaro.austin=> \d PASIEN
        Table "siwanap.pasien"
  Column |      Type       | Collation | Nullable | Default
-----+--------------+-----------+----------+-
id_pasien | character varying(10) |          | not null |
nama | character varying(100) |          | not null |
alamat | text |          | not null |
no_telp | character varying(14) |          | not null |
email | character varying(50) |          | not null |
tgl_lahir | date |          | not null |
jenis_kelamin | character(1) |          | not null |
Indexes:
    "pasien_pkey" PRIMARY KEY, btree (id_pasien)
Referenced by:
    TABLE "rawat_inap" CONSTRAINT "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
alvaro.austin=> \d PERAWAT
        Table "siwanap.perawat"
  Column |      Type       | Collation | Nullable | Default
-----+--------------+-----------+----------+-
id_perawat | character varying(10) |          | not null |
nama | character varying(100) |          | not null |
no_telp | character varying(14) |          | not null |
email | character varying(50) |          | not null |
jenis_kelamin | character(1) |          | not null |
Indexes:
    "perawat_pkey" PRIMARY KEY, btree (id_perawat)
Referenced by:
    TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
alvaro.austin=> \d KAMAR
        Table "siwanap.kamar"
  Column |      Type       | Collation | Nullable | Default
-----+--------------+-----------+----------+-
id_kamar | character varying(10) |          | not null |
nama | character varying(30) |          | not null |
jenis | character varying(10) |          | not null |
kapasitas | smallint |          | not null |
harga | integer |          | not null |
Indexes:
    "kamar_pkey" PRIMARY KEY, btree (id_kamar)
Referenced by:
    TABLE "rawat_inap" CONSTRAINT "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)
alvaro.austin=>
```

STRUKTUR DEFINISI OBAT

```
kawung.cs.ui.ac.id - PuTTY
Referenced by:
    TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
alvaro.austin=> \d PERAWAT
        Table "siwanap.perawat"
  Column |      Type       | Collation | Nullable | Default
-----+--------------+-----------+----------+-
id_perawat | character varying(10) |          | not null |
nama | character varying(100) |          | not null |
alamat | text |          | not null |
no_telp | character varying(14) |          | not null |
email | character varying(50) |          | not null |
jenis_kelamin | character(1) |          | not null |
Indexes:
    "perawat_pkey" PRIMARY KEY, btree (id_perawat)
Referenced by:
    TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
alvaro.austin=> \d KAMAR
        Table "siwanap.kamar"
  Column |      Type       | Collation | Nullable | Default
-----+--------------+-----------+----------+-
id_kamar | character varying(10) |          | not null |
nama | character varying(30) |          | not null |
jenis | character varying(10) |          | not null |
kapasitas | smallint |          | not null |
harga | integer |          | not null |
Indexes:
    "kamar_pkey" PRIMARY KEY, btree (id_kamar)
Referenced by:
    TABLE "rawat_inap" CONSTRAINT "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)
alvaro.austin=> \d OBAT
        Table "siwanap.obat"
  Column |      Type       | Collation | Nullable | Default
-----+--------------+-----------+----------+-
id_obat | character varying(10) |          | not null |
nama | text |          | not null |
Indexes:
    "obat_pkey" PRIMARY KEY, btree (id_obat)
Referenced by:
    TABLE "pemberian_obat" CONSTRAINT "pemberian_obat_id_obat_fkey" FOREIGN KEY (id_obat) REFERENCES obat(id_obat)
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

STRUKTUR DEFINISI RAWAT_INAP

```
kawung.cs.ui.ac.id - PuTTY
"perawat_pkey" PRIMARY KEY, btree (id_perawat)
Referenced by:
    TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)

alvaro.austin=> \d KAMAR
    Table "siwanap.kamar"
 Column |      Type       | Collation | Nullable | Default
-----+---------------+-----+-----+-----+
 id_kamar | character varying(10) |          | not null |
 nama | character varying(30) |          | not null |
 jenis | character varying(10) |          | not null |
 kapasitas | smallint |          | not null |
 harga | integer |          | not null |
Indexes:
    "kamar_pkey" PRIMARY KEY, btree (id_kamar)
Referenced by:
    TABLE "rawat_inap" CONSTRAINT "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)

alvaro.austin=> \d OBAT
    Table "siwanap.obat"
 Column |      Type       | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_obat | character varying(10) |          | not null |
 nama | text |          | not null |
Indexes:
    "obat_pkey" PRIMARY KEY, btree (id_obat)
Referenced by:
    TABLE "pemberian_obat" CONSTRAINT "pemberian_obat_id_obat_fkey" FOREIGN KEY (id_obat) REFERENCES obat(id_obat)

alvaro.austin=> \d RAWAT_INAP
    Table "siwanap.rawat_inap"
 Column |      Type       | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_rawat_inap | character varying(10) |          | not null |
 id_kamar | character varying(10) |          | not null |
 id_pasien | character varying(10) |          | not null |
 tgl_masuk | date |          | not null |
 tgl_keluar | date |          | not null |
Indexes:
    "rawat_inap_pkey" PRIMARY KEY, btree (id_rawat_inap)
Foreign-key constraints:
    "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)
    "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
Referenced by:
    TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
    TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
alvaro.austin=>
```

STRUKTUR DEFINISI SHIFT_PERAWAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> \d OBAT
    Table "siwanap.obat"
 Column |      Type       | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_obat | character varying(10) |          | not null |
 nama | text |          | not null |
Indexes:
    "obat_pkey" PRIMARY KEY, btree (id_obat)
Referenced by:
    TABLE "pemberian_obat" CONSTRAINT "pemberian_obat_id_obat_fkey" FOREIGN KEY (id_obat) REFERENCES obat(id_obat)

alvaro.austin=> \d RAWAT_INAP
    Table "siwanap.rawat_inap"
 Column |      Type       | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_rawat_inap | character varying(10) |          | not null |
 id_kamar | character varying(10) |          | not null |
 id_pasien | character varying(10) |          | not null |
 tgl_masuk | date |          | not null |
 tgl_keluar | date |          | not null |
Indexes:
    "rawat_inap_pkey" PRIMARY KEY, btree (id_rawat_inap)
Foreign-key constraints:
    "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)
    "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
Referenced by:
    TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
    TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
alvaro.austin=> \d SHIFT_PERAWAT
    Table "siwanap.shift_perawat"
 Column |      Type       | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_shift_perawat | character varying(10) |          | not null |
 id_perawat | character varying(10) |          | not null |
 id_rawat_inap | character varying(10) |          | not null |
 waktu_lai | timestamp without time zone |          | not null |
 tgl_keluar | timestamp without time zone |          | not null |
Indexes:
    "shift_perawat_pkey" PRIMARY KEY, btree (id_shift_perawat)
Foreign-key constraints:
    "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
    "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
Referenced by:
    TABLE "pemberian_obat" CONSTRAINT "pemberian_obat_id_shift_perawat_fkey" FOREIGN KEY (id_shift_perawat) REFERENCES shift_perawat(id_shift_perawat)
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

STRUKTUR DEFINISI DOKTER_RAWAT_INAP

```
kawung.cs.ul.ac.id - PuTTY
alvaro.austin=> \d RAWAT_INAP
      Table "siwanap.rawat_inap"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_rawat_inap | character varying(10) | not null |
 id_kamar | character varying(10) | not null |
 id_pasien | character varying(10) | not null |
 tgl_masuk | date | not null |
 tgl_keluar | date | not null |
Indexes:
 "rawat_inap_pkey" PRIMARY KEY, btree (id_rawat_inap)
Foreign-key constraints:
 "rawat_inap_id_kamar_fkey" FOREIGN KEY (id_kamar) REFERENCES kamar(id_kamar)
 "rawat_inap_id_pasien_fkey" FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien)
Referenced by:
 TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
 TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=> \d SHIFT_PERAWAT
      Table "siwanap.shift_perawat"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_shift_perawat | character varying(10) | not null |
 id_perawat | character varying(10) | not null |
 id_rawat_inap | character varying(10) | not null |
 waktu_mulai | timestamp without time zone | not null |
 tgl_keluar | timestamp without time zone | not null |
Indexes:
 "shift_perawat_pkey" PRIMARY KEY, btree (id_shift_perawat)
Foreign-key constraints:
 "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
 "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
Referenced by:
 TABLE "pemberian_obat" CONSTRAINT "pemberian_obat_id_shift_perawat_fkey" FOREIGN KEY (id_shift_perawat) REFERENCES shift_perawat(id_shift_perawat)

alvaro.austin=> \d DOKTER_RAWAT_INAP
      Table "siwanap.dokter_rawat_inap"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_dokter | character varying(10) | not null |
 id_rawat_inap | character varying(10) | not null |
Indexes:
 "dokter_rawat_inap_pkey" PRIMARY KEY, btree (id_dokter, id_rawat_inap)
Foreign-key constraints:
 "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
 "dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=>
```

STRUKTUR DEFINISI PEMBERIAN_OBAT

```
kawung.cs.ul.ac.id - PuTTY
Referenced by:
 TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
 TABLE "shift_perawat" CONSTRAINT "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=> \d SHIFT_PERAWAT
      Table "siwanap.shift_perawat"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_shift_perawat | character varying(10) | not null |
 id_perawat | character varying(10) | not null |
 id_rawat_inap | character varying(10) | not null |
 waktu_mulai | timestamp without time zone | not null |
 tgl_keluar | timestamp without time zone | not null |
Indexes:
 "shift_perawat_pkey" PRIMARY KEY, btree (id_shift_perawat)
Foreign-key constraints:
 "shift_perawat_id_perawat_fkey" FOREIGN KEY (id_perawat) REFERENCES perawat(id_perawat)
 "shift_perawat_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)
Referenced by:
 TABLE "pemberian_obat" CONSTRAINT "pemberian_obat_id_shift_perawat_fkey" FOREIGN KEY (id_shift_perawat) REFERENCES shift_perawat(id_shift_perawat)

alvaro.austin=> \d DOKTER_RAWAT_INAP
      Table "siwanap.dokter_rawat_inap"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_dokter | character varying(10) | not null |
 id_rawat_inap | character varying(10) | not null |
Indexes:
 "dokter_rawat_inap_pkey" PRIMARY KEY, btree (id_dokter, id_rawat_inap)
Foreign-key constraints:
 "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
 "dokter_rawat_inap_id_rawat_inap_fkey" FOREIGN KEY (id_rawat_inap) REFERENCES rawat_inap(id_rawat_inap)

alvaro.austin=> \d PEMBERIAN_OBAT
      Table "siwanap.pemberian_obat"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
 id_pemberian_obat | character varying(10) | not null |
 id_shift_perawat | character varying(10) | not null |
 id_obat | character varying(10) | not null |
 dosis | character varying(10) | not null |
Indexes:
 "pemberian_obat_pkey" PRIMARY KEY, btree (id_pemberian_obat)
Foreign-key constraints:
 "pemberian_obat_id_obat_fkey" FOREIGN KEY (id_obat) REFERENCES obat(id_obat)
 "pemberian_obat_id_shift_perawat_fkey" FOREIGN KEY (id_shift_perawat) REFERENCES shift_perawat(id_shift_perawat)

alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

2. [SQL] Tampilkan keseluruhan isi dari semua tabel yang ada pada skema SIWANAP.

ISI TABEL DOKTER

id_dokter	nama	no_telp	email	spesialisasi
D001	Lorry Jervois	89663186798	ljervois@pcworld.com	penyakit dalam
D002	Brantley Ludlem	84281989692	bludleml@ox.ac.uk	penyakit dalam
D003	Fanechka Maryman	81639594876	fmaryman2@bandcamp.com	penyakit dalam
D004	Ronda Hargitt	88272764040	rhardt3@hexun.com	penyakit dalam
D005	Frederique Fruce	83447355119	tpruce4@nps.gov	penyakit dalam
D006	Barty Leebeeter	87601762819	bleebeter5@wj.com	penyakit dalam
D007	Ly Spellissy	87114027540	lspellissy6@blogspot.com	penyakit dalam
D008	Den Stollsteimer	85054750630	dstollsteimer7@myspace.com	anak
D009	Jenda Chaudret	87860070111	jchaudret8@example.com	anak
D010	Morean Hebbethwhite	83109586118	mhebbethwhite9@buzzfeed.com	anak
D011	Idalia Caughte	88041581978	icaughtea@samsung.com	anak
D012	Darbie Howle	84548778195	dhowleb@imbio.com	anak
D013	Meade Munn	85430172820	mmunnco@si.edu	anak
D014	Josephine Schnieder	84551802662	jschnieder@umn.edu	anak
D015	Rachael Redmire	81414872968	rredmire@imeo.com	saraf
D016	Sherry Fiveash	81836762704	sfiveash@domainmarket.com	saraf
D017	Stewart Filkov	81438198883	sfilkovg@fastcompany.com	saraf
D018	Nero Vanyard	81684545781	nvanyardh@technorati.com	saraf
D019	Shepperd Lichfield	84437697707	slichfield1@tiny.cc	saraf
D020	Candy Arninger	84319934032	carmingr1@abc.net.au	saraf
D021	Lazaro Morston	84529491412	lmorstonk@ymag.com	saraf
D022	Klemens Braybrooks	83117438823	kbraybrooks1@abc.net.au	kandungan dan ginekologi
D023	Shandy Stell	81234079194	stellerme@quantcast.com	kandungan dan ginekologi
D024	Berty Normandale	83088032291	bnormandale@list-manage.com	kandungan dan ginekologi
D025	Jacinta Micco	82769828991	jmiccoo@illinois.edu	kandungan dan ginekologi
D026	Malissa Richens	82943697788	mrichensp@weather.com	kandungan dan ginekologi
D027	Emery Brakespear	83756297748	ebrakespearq@utexas.edu	kandungan dan ginekologi
D028	Halsey Ivashchenko	84351641169	hivashchenkor@home.pl	kandungan dan ginekologi
D029	Devlin Earney	81003195082	dearney8@sbwire.com	bedah
D030	Carl Adelsberg	87917206719	cadelsberg@networksolutions.com	bedah
D031	Gearard Stapeils	85738280407	gstapells@fch360.com	bedah
D032	Cassandra Noddles	81220215324	cnoddlesv@jell.com	bedah
D033	Genivieve Guillotin	81315397179	gguillotin@theatlantic.com	bedah
D034	Tiana Klimmek	89104117514	tklimmek8@cn.ne.jp	bedah
D035	Garry Aspinell	89869528031	gaspinelly@cargo collective.com	bedah
D036	Gerrianna Mardall	8174348027	gmardallz@inatra.com	kulit dan kelamin
D037	Lawry Galiford	89124483409	lgaliford10@sgfgate.com	kulit dan kelamin
D038	Bev Pieracci	83814558651	bpieraccil1@dedecms.com	kulit dan kelamin
D039	Zebulon Blacklawe	86705193433	zblacklawe12@ioboo.com	kulit dan kelamin
D040	Tobias Trusse	81023710802	ttrusse13@sun.com	kulit dan kelamin
D041	Geoff Winthrop	87843866302	gwinthrop14@yelp.com	kulit dan kelamin
D042	Adams Savage	89135334290	asavage15@tiny.cc	kulit dan kelamin
D043	Sigismund Stockbridge	84252661633	sstockbridge16@psu.edu	kulit dan kelamin
D044	Karna Fehners	86464242539	kfehners17@joomla.org	mata

ISI TABEL PASIEN

id_pasien	nama	alamat	no_telp	email
PA01	Rey Ferrieri	Jl Raya PKP, Dki Jakarta	87667076022	rferrieri0@latimes.co
m 1960-07-29 L	Englebert Glassard	Jl. Pluit Raya No. 19, Jakarta Raya	83613307057	eglassard1@imdb.com
1972-08-09 L	Lacee Jimson	Jl Warung Buncit Raya Kav 35, Dki Jakarta	83374273645	ljohnson2@fc2.com
1966-06-11 L	Fredera Addey	Jl Akalipa Mas III RT 004/08 Kompl Villa Famulang Mas Bl N-8/10, Dki Jakarta	82950865550	faddey3@tmall.com
1997-12-03 L	Cesar Witard	Plaza City View, Building	83060150583	cwitard4@cra.gov
1969-03-12 L	Jayne Clew	Jl Bisma Raya Bl D-1/22, Dki Jakarta	82731096705	jclew5@exblog.jp
1982-08-18 L	Rodney Di Biasio	Jl Jatinegara Brt 122, Dki Jakarta	86987105340	rdi6@amazon.de
1966-06-27 L	Henriette Renon	Jl Banda 7 A, Dki Jakarta	83866934327	hrenon7@printfriendly
.com 1962-01-18 L	Gilemette Gresswell	Jl Adam 103 Sukabumi Utara, Dki Jakarta	86224127948	ggresswell8@amazon.co
uk 1981-05-27 P	Fielding Crone	Jl Pondok Randu 103, Dki Jakarta	85111343784	fcrone9@bigcartel.com
1961-02-18 L	Padraice De Francisci	Jl H Agus Salim 69, Jakarta	87388709917	pdea@slideshare.net
1994-06-03 P	Lenci Scoffham	Jl Perindustrian 2, Dki Jakarta	83050013265	lscoffham@thetimes.c
o.uk 1972-07-24 P	Lynette Conwell	Jl Kenari II 4, Dki Jakarta	89434813042	lconwellc@yolasite.co
m 1979-03-02 P	Clarisse Pennuzzi	Jl Rawagedlam IV 7, Dki Jakarta	86444824850	cpennuzzid@pbs.org
1963-04-24 P	Zaccaria Dewsnap	Jl Palapa Raya 2, Dki Jakarta	84860192729	zdewsnape@bloglines.c
om 1982-11-13 P	Friedrick Pina	Jl Daan Mogot Km 19/397, Dki Jakarta	82880371279	fpinaf@jigsys.com
1990-08-16 L	Sibella Raddin	Jl Lestari 45 RT 009/03, Dki Jakarta	81800084683	sradding@cmu.edu
1999-03-17 P	Ashlie Elloy	Jl Villa Dago Boulevard Kompl Villa Dago Bl G/10, Dki Jakarta	81039808440	aelloyh@t.co
1983-05-20 P	Virgil Clutterbuck	Jl Margonda Raya 488, Dki Jakarta	86006732874	vclutterbucki@ft.com
1998-03-22 L	Chariot Huffadine	Jl Mangga Dua Raya Psr Pagi Mangga Dua Bl A/188, Dki Jakarta	81254024034	chuffadinej@ebay.com
1972-11-22 L	Lyndell Barti	Jln Pendidikan 3, Dki Jakarta	82792276487	lbartik@trellian.com
2004-06-17 P	Lee Dot	Jl Pembangunan II 15 A/l, Dki Jakarta	89774964683	ldotl@etsy.com

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

ISI TABEL PERAWAT

id_perawat	nama	no_telp	email	jenis_kelamin
PE01	Asa Huddlestone	84578304515	ahuddlestone@businessinsider.com	L
PE02	Erina Georgiou	85227801894	egeorgiou@yelp.com	P
PE03	Jeanne Basilone	89838398853	jbasilone2@furl.net	L
PE04	Gannie Stewart	82141133165	gstewart3@mlb.com	L
PE05	Efrem Wilkey	86587160468	ewilkey4@igsy.com	P
PE06	Talbot Dust	84354834510	tdust5@csmonitor.com	P
PE07	Sydel Fiveash	84079342810	sfiveash6@yellowbook.com	P
PE08	Constantine Hukin	81254798730	chukin7@google.com.au	L
PE09	Giacinta Graine	81338605844	ggraine@sesaaa.net	P
PE10	Sayers Windmill	82265157929	swindmill98csmonitor.com	L
PE11	Mairi Riddich	89376194780	mriddicha@google.co.uk	L
PE12	Stanwood Redhole	81661848974	sredholeb@cafepress.com	P
PE13	Noreen Agostini	81599259095	nagostinic@about.com	P
PE14	Harli Lisciandro	89888092944	hlisciandro8dairs.gov	L
PE15	Brannon Sebring	85469789160	bsebringe@usatoday.com	L
PE16	Charyl Doorbar	86351061660	cdoorbarf@economist.com	L
PE17	Sanderston Worg	83770914651	sworgg@oakley.com	P
PE18	Russell Prestedge	87575175601	rprestedge@shutterfly.com	P
PE19	Matthew Flockhart	82866873219	mflockharti@technorati.com	L
PE20	Clarabelle Gong	81173374328	cgongj@lobo.com	L
PE21	Karen Cotillard	81302516078	kcotillardk@ommiture.com	P
PE22	Clea Ebdin	83017433463	cebdin1@ftc.gov	L
PE23	Dalis Rumming	81391398278	drumming8@google.ru	L
PE24	Jandy Bassingham	88953069688	jbassingham@pen.io	L
PE25	Colle Veel	87625832996	cveelo@ehow.com	P
PE26	Willow De Cruce	85175931741	wdep@buzzfeed.com	L
PE27	Jeth Barlow	85529041701	jbarlowqe@tinypic.com	P
PE28	Mitchell Greger	86521338439	mgreger@chronoengine.com	L
PE29	Vonny Northway	84801332978	vnorthways@bigcartel.com	P
PE30	Jarrett Bompass	87495579595	jbompast@shareasale.com	L
PE31	Kelcy Fraschini	84659987329	kfraschiniu@google.it	L
PE32	Rafa Demare	81681256401	rdemarev@sakura.ne.jp	L
PE33	Lizette Rodolico	85849741984	lrodolico@uiuc.edu	P
PE34	Shaughn Bernardotte	84852720894	sbernardottex@huffingtonpost.com	P
PE35	Ella Arndell	87453241219	earndelly@about.me	P
PE36	Teodor Schlag	81495678007	tschlagz@nbncnews.com	P
PE37	Nobe Claye	81253032172	nclaye10@artisteer.com	P
PE38	Ennis Mayston	89701638247	emayston11@msn.com	L
PE39	Mellificent Crawley	89047721632	mccrawley12@google.co.jp	L
PE40	Paige Dowell	89288766146	pdowell13@gov.uk	P
PE41	Dasi Mirams	81891579842	dmirams14@wired.com	P
PE42	Ossie Merriday	84572431361	omerriday15@gmpg.org	P
PE43	Federica Blanden	84478755556	fblanden16@economist.com	L
PE44	Thorndike Quiddinton	83020969573	tquiddinton17@flavors.me	L
PE45	Corine Bouzan	82024803547	cbouzan18@google.com.br	L

ISI TABEL KAMAR

id_kamar	nama	jenis	kapasitas	harga
KA01	Merpatti 1	Kelas 3	6	170000
KA02	Merpatti 2	Kelas 3	6	170000
KA03	Merpatti 3	Kelas 3	6	170000
KA04	Merpatti 4	Kelas 3	6	170000
KA05	Merpatti 5	Kelas 3	6	170000
KA06	Jalak 1	Kelas 2	4	300000
KA07	Jalak 2	Kelas 2	4	300000
KA08	Jalak 3	Kelas 2	4	300000
KA09	Jalak 4	Kelas 2	4	300000
KA10	Jalak 5	Kelas 2	4	300000
KA11	Murai 1	Kelas 1	2	70000
KA12	Murai 2	Kelas 1	2	70000
KA13	Murai 3	Kelas 1	2	70000
KA14	Murai 4	Kelas 1	2	70000
KA15	Murai 5	Kelas 1	2	70000
KA16	Merak 1	VIP B	1	1100000
KA17	Merak 2	VIP B	1	1100000
KA18	Merak 3	VIP B	1	1100000
KA19	Merak 4	VIP B	1	1100000
KA20	Merak 5	VIP B	1	1100000
KA21	Merak 6	VIP B	1	1100000
KA22	Merak 7	VIP B	1	1100000
KA23	Merak 8	VIP B	1	1100000
KA24	Merak 9	VIP B	1	1100000
KA25	Merak 10	VIP B	1	1100000
KA26	Merak 11	VIP B	1	1100000
KA27	Merak 12	VIP B	1	1100000
KA28	Merak 13	VIP B	1	1100000
KA29	Merak 14	VIP B	1	1100000
KA30	Merak 15	VIP B	1	1100000
KA31	Elang 1	VIP A	1	1600000
KA32	Elang 2	VIP A	1	1600000
KA33	Elang 3	VIP A	1	1600000
KA34	Elang 4	VIP A	1	1600000
KA35	Elang 5	VIP A	1	1600000
KA36	Elang 6	VIP A	1	1600000
KA37	Elang 7	VIP A	1	1600000
KA38	Elang 8	VIP A	1	1600000
KA39	Elang 9	VIP A	1	1600000
KA40	Elang 10	VIP A	1	1600000
KA41	Garuda 1	VVIP	1	3100000
KA42	Garuda 2	VVIP	1	3100000
KA43	Garuda 3	VVIP	1	3100000
KA44	Garuda 4	VVIP	1	3100000
KA45	Garuda 5	VVIP	1	3100000

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

ISI TABEL OBAT

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> SELECT * FROM OBAT;
+-----+-----+
| id_obat | nama |
+-----+-----+
| OB01    | calcitonin salmon |
| OB02    | Estazolam |
| OB03    | ARNICA MONTANA - RHUS TOXICODENDRON - RUTA GRAVEOLENS |
| OB04    | ANTIPIRINE AND BENZOCAINE |
| OB05    | Phenobarbital |
| OB06    | levofloxacin |
| OB07    | Albuterol Sulfate |
| OB08    | RISPERIDONE |
| OB09    | Levothyroxine Sodium |
| OB10    | calcipotriene 0.005% and betamethasone dipropionate 0.064% |
| OB11    | sus scrofa small intestine mucosa lymph follicle |
| OB12    | Benzalkonium Chloride |
| OB13    | HYDROCODONE BITARTRATE AND ACETAMINOPHEN |
| OB14    | Natural Medicine |
| OB15    | desvenlafaxine succinate |
| OB16    | Nitrogen |
| OB17    | Treatment Set TS350256 |
| OB18    | Acetaminophen |
| OB19    | Titanium Dioxide |
| OB20    | Glipizide |
| OB21    | Salsalate |
| OB22    | Triclosan |
| OB23    | Cefprozil |
| OB24    | Octinoxate and Octocrylene and Oxybenzone and Octisalate and Meradimate and Titanium Dioxide |
| OB25    | azithromycin |
| OB26    | isotretinoin |
| OB27    | Monobasic Sodium Phosphate and Dibasic Sodium Phosphate |
| OB28    | Aspirin, DEXTROMETHORPHAN HYDROBROMIDE, DOXYLAMINE SUCCINATE, and PHENYLEPHRINE BITARTRATE |
| OB29    | TRICLOPS |
| OB30    | BENZOYL PEROXIDE |
| OB31    | Nabumetone |
| OB32    | OCTINOXATE, OCTISALATE |
| OB33    | LOVASTATIN |
| OB34    | Codeine Phosphate, Phenylephrine Hydrochloride, Pyrilamine Maleate |
| OB35    | benzoyl peroxide |
| OB36    | calcium carbonate |
| OB37    | Methylprednisolone |
| OB38    | Metformin Hydrochloride |
| OB39    | Rivastigmine Tartrate |
| OB40    | Penicillium notatum |
| OB41    | TITANIUM DIOXIDE |
| OB42    | pralatrexate |
| OB43    | Salicylic Acid |
| OB44    | Benzethonium chloride |
| OB45    | Progesterone |
+-----+-----+
```

ISI TABEL RAWAT_INAP

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> SELECT * FROM RAWAT_INAP;
+-----+-----+-----+-----+-----+
| id_rawat_inap | id_kamar | id_pasien | tgl_masuk | tgl_keluar |
+-----+-----+-----+-----+-----+
| RI01    | KA17   | PA11   | 2022-08-12 | 2022-08-23 |
| RI02    | KA30   | PA29   | 2020-11-29 | 2020-12-16 |
| RI03    | KA30   | PA02   | 2021-03-15 | 2021-03-16 |
| RI04    | KA26   | PA47   | 2020-11-12 | 2020-11-16 |
| RI05    | KA24   | PA44   | 2021-04-29 | 2021-04-30 |
| RI06    | KA19   | PA33   | 2021-05-01 | 2021-05-30 |
| RI07    | KA33   | PA07   | 2021-07-31 | 2021-08-12 |
| RI08    | KA38   | PA34   | 2020-04-15 | 2020-05-13 |
| RI09    | KA07   | PA43   | 2021-12-03 | 2021-12-03 |
| RI10    | KA13   | PA12   | 2020-12-02 | 2020-12-15 |
| RI11    | KA21   | PA48   | 2021-07-02 | 2021-07-06 |
| RI12    | KA11   | PA34   | 2020-10-16 | 2020-10-28 |
| RI13    | KA02   | PA22   | 2022-01-19 | 2022-01-25 |
| RI14    | KA36   | PA14   | 2022-01-01 | 2022-01-04 |
| RI15    | KA24   | PA44   | 2020-04-26 | 2020-05-18 |
| RI16    | KA09   | PA08   | 2022-03-27 | 2022-04-21 |
| RI17    | KA19   | PA09   | 2020-10-19 | 2020-11-17 |
| RI18    | KA10   | PA43   | 2021-08-10 | 2021-08-18 |
| RI19    | KA38   | PA20   | 2022-07-24 | 2022-08-22 |
| RI20    | KA31   | PA49   | 2020-11-29 | 2020-12-11 |
| RI21    | KA40   | PA29   | 2020-12-25 | 2021-01-23 |
| RI22    | KA01   | PA12   | 2020-10-17 | 2020-11-14 |
| RI23    | KA30   | PA06   | 2021-12-06 | 2021-12-16 |
| RI24    | KA40   | PA27   | 2022-05-27 | 2022-05-31 |
| RI25    | KA23   | PA28   | 2022-01-02 | 2022-01-20 |
| RI26    | KA22   | PA36   | 2020-03-21 | 2020-03-23 |
| RI27    | KA42   | PA42   | 2021-01-15 | 2021-02-12 |
| RI28    | KA08   | PA22   | 2020-06-04 | 2020-06-12 |
| RI29    | KA30   | PA22   | 2021-12-27 | 2021-12-27 |
| RI30    | KA10   | PA27   | 2020-03-01 | 2020-03-22 |
| RI31    | KA32   | PA22   | 2021-08-12 | 2021-08-13 |
| RI32    | KA09   | PA19   | 2021-12-15 | 2021-12-15 |
| RI33    | KA05   | PA02   | 2020-01-06 | 2020-01-08 |
| RI34    | KA25   | PA46   | 2020-08-03 | 2020-08-29 |
| RI35    | KA12   | PA03   | 2020-06-24 | 2020-07-13 |
| RI36    | KA29   | PA05   | 2022-09-05 | 2022-09-13 |
| RI37    | KA15   | PA01   | 2022-05-17 | 2022-06-09 |
| RI38    | KA04   | PA21   | 2020-07-07 | 2020-07-19 |
| RI39    | KA38   | PA01   | 2020-12-23 | 2021-01-21 |
| RI40    | KA17   | PA49   | 2021-08-11 | 2021-08-13 |
| RI41    | KA40   | PA40   | 2022-06-07 | 2022-06-27 |
| RI42    | KA15   | PA28   | 2022-06-28 | 2022-07-19 |
| RI43    | KA25   | PA25   | 2021-12-03 | 2021-12-03 |
| RI44    | KA36   | PA29   | 2020-06-01 | 2020-06-14 |
| RI45    | KA08   | PA24   | 2022-03-29 | 2022-04-04 |
+-----+-----+-----+-----+-----+
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

ISI TABEL SHIFT_PERAWAT

kawung.cs.ul.ac.id - PuTTY				
alvaro.austin=> SELECT * FROM SHIFT_PERAWAT;				
			waktu_mulai	tgl_keluar
SP01	PE02	RI23	2021-12-07 00:00:00	2021-12-07 12:00:00
SP02	PE05	RI14	2022-02-02 00:00:00	2022-02-02 12:00:00
SP03	PE39	RI49	2020-09-19 00:00:00	2020-09-11 12:00:00
SP04	PE27	RI42	2022-06-29 00:00:00	2022-06-29 12:00:00
SP05	PE39	RI10	2020-12-03 00:00:00	2020-12-03 12:00:00
SP06	PE04	RI36	2022-09-06 00:00:00	2022-09-06 12:00:00
SP07	PE31	RI05	2021-04-29 00:00:00	2021-04-29 12:00:00
SP08	PE34	RI01	2022-08-13 00:00:00	2022-08-13 12:00:00
SP09	PE47	RI05	2021-04-29 12:00:00	2021-04-30 00:00:00
SP10	PE34	RI28	2020-06-05 00:00:00	2020-06-05 12:00:00
SP11	PE41	RI15	2020-04-27 00:00:00	2020-04-27 12:00:00
SP12	PE15	RI04	2020-11-13 00:00:00	2020-11-13 12:00:00
SP13	PE35	RI01	2022-08-13 12:00:00	2022-08-14 00:00:00
SP14	PE28	RI26	2020-03-22 00:00:00	2020-03-22 12:00:00
SP15	PE46	RI16	2022-03-28 00:00:00	2022-03-28 12:00:00
SP16	PE20	RI22	2020-10-18 00:00:00	2020-10-18 12:00:00
SP17	PE27	RI13	2022-01-20 00:00:00	2022-01-20 12:00:00
SP18	PE47	RI24	2022-05-26 00:00:00	2022-05-26 12:00:00
SP19	PE35	RI45	2022-03-30 00:00:00	2022-03-30 12:00:00
SP20	PE26	RI27	2021-01-16 00:00:00	2021-01-16 12:00:00
SP21	PE33	RI30	2020-03-02 00:00:00	2020-03-02 12:00:00
SP22	PE24	RI24	2022-05-26 12:00:00	2022-05-27 00:00:00
SP23	PE05	RI10	2020-12-03 12:00:00	2020-12-04 00:00:00
SP24	PE34	RI36	2022-09-06 12:00:00	2022-09-07 00:00:00
SP25	PE13	RI31	2021-08-13 00:00:00	2021-08-13 12:00:00
SP26	PE30	RI36	2022-09-07 00:00:00	2022-09-07 12:00:00
SP27	PE42	RI29	2021-12-28 00:00:00	2021-12-28 12:00:00
SP28	PE03	RI27	2021-01-16 12:00:00	2021-01-17 00:00:00
SP29	PE36	RI20	2020-11-30 00:00:00	2020-11-30 12:00:00
SP30	PE13	RI14	2022-02-02 12:00:00	2022-02-03 00:00:00
SP31	PE11	RI25	2022-01-03 00:00:00	2022-01-03 12:00:00
SP32	PE17	RI37	2022-05-18 00:00:00	2022-05-18 12:00:00
SP33	PE02	RI07	2021-08-01 00:00:00	2021-08-01 12:00:00
SP34	PE22	RI43	2021-12-04 00:00:00	2021-12-04 12:00:00
SP35	PE13	RI37	2022-05-18 12:00:00	2022-05-19 00:00:00
SP36	PE19	RI02	2020-11-30 00:00:00	2020-11-30 12:00:00
SP37	PE45	RI40	2021-08-12 00:00:00	2021-08-12 12:00:00
SP38	PE26	RI07	2021-08-01 12:00:00	2021-08-02 00:00:00
SP39	PE19	RI14	2022-02-03 00:00:00	2022-02-03 12:00:00
SP40	PE49	RI42	2022-06-29 12:00:00	2022-06-30 00:00:00
SP41	PE10	RI09	2021-12-04 00:00:00	2021-12-04 12:00:00
SP42	PE43	RI43	2021-12-04 12:00:00	2021-12-05 00:00:00
SP43	PE17	RI07	2021-08-02 00:00:00	2021-08-02 12:00:00
SP44	PE28	RI32	2021-12-16 00:00:00	2021-12-16 12:00:00
SP45	PE38	RI31	2021-08-13 12:00:00	2021-08-14 00:00:00

ISI TABEL DOKTER_RAWAT_INAP

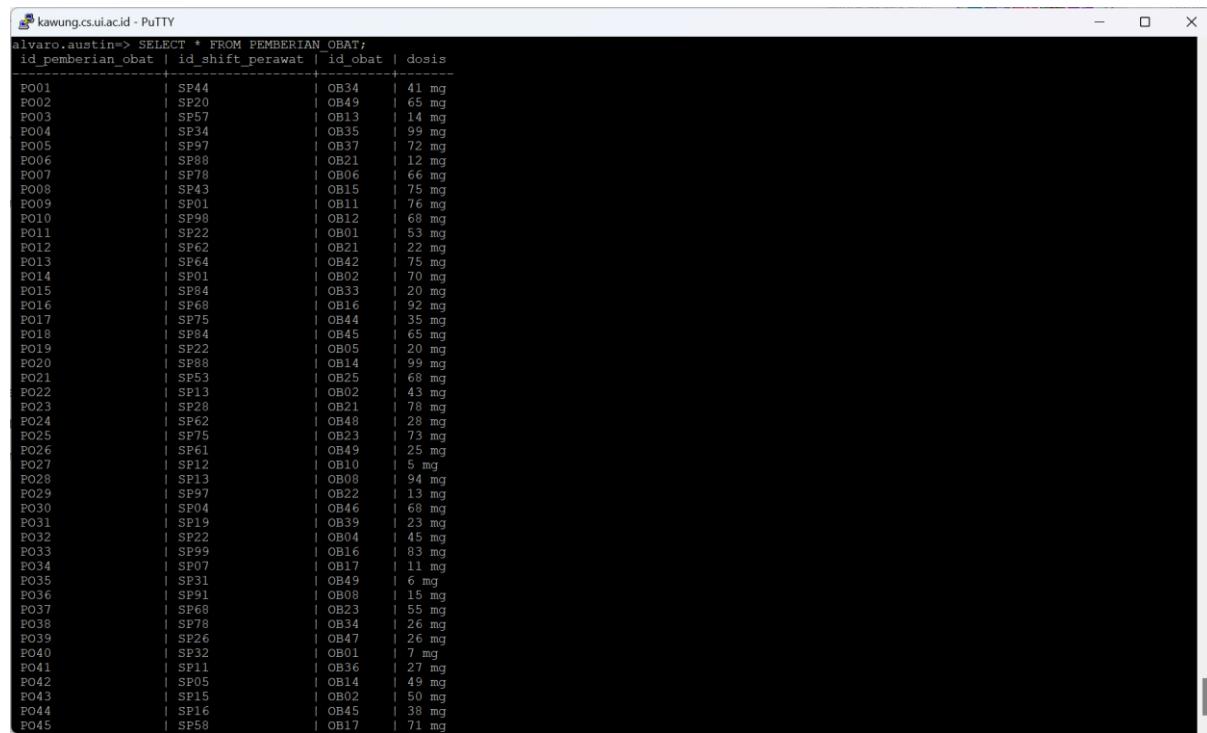
kawung.cs.ul.ac.id - PuTTY				
alvaro.austin=> SELECT * FROM DOKTER_RAWAT_INAP;				
D044	RI15			
D003	RI21			
D030	RI44			
D030	RI41			
D012	RI09			
D036	RI12			
D026	RI13			
D033	RI29			
D009	RI13			
D003	RI23			
D011	RI39			
D047	RI13			
D033	RI44			
D036	RI10			
D023	RI04			
D004	RI33			
D020	RI41			
D022	RI04			
D026	RI24			
D035	RI44			
D049	RI49			
D025	RI07			
D002	RI06			
D002	RI29			
D006	RI36			
D025	RI01			
D009	RI49			
D036	RI11			
D029	RI11			
D009	RI20			
D047	RI19			
D003	RI20			
D001	RI35			
D006	RI16			
D028	RI25			
D014	RI12			
D009	RI08			
D049	RI16			
D016	RI35			
D046	RI04			
D034	RI41			
D038	RI39			
D009	RI04			
D003	RI47			
D001	RI10			

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

ISI TABEL PEMBERIAN_OBAT

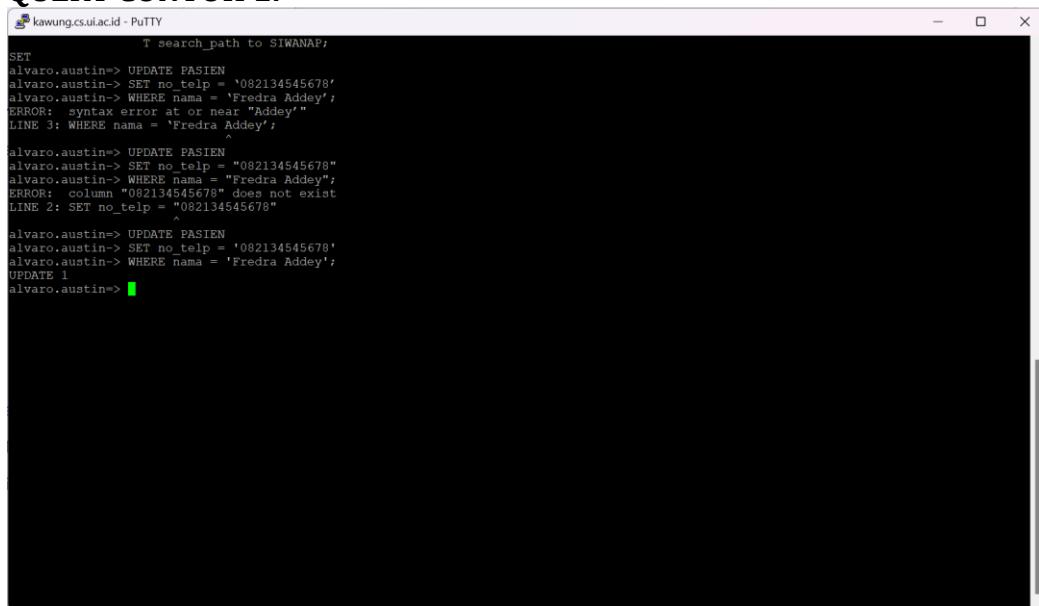


P001	SP44	OB34	41 mg
P002	SP20	OB49	65 mg
P003	SP57	OB13	14 mg
P004	SP34	OB35	99 mg
P005	SP97	OB37	72 mg
P006	SP88	OB21	12 mg
P007	SP78	OB06	66 mg
P008	SP43	OB15	75 mg
P009	SP01	OB11	76 mg
P010	SP98	OB12	68 mg
P011	SP22	OB01	53 mg
P012	SP62	OB21	22 mg
P013	SP64	OB42	75 mg
P014	SP01	OB02	70 mg
P015	SP84	OB33	20 mg
P016	SP68	OB16	92 mg
P017	SP75	OB44	35 mg
P018	SP84	OB45	65 mg
P019	SP22	OB05	20 mg
P020	SP88	OB14	99 mg
P021	SP53	OB25	68 mg
P022	SP13	OB02	43 mg
P023	SP28	OB21	78 mg
P024	SP62	OB48	28 mg
P025	SP75	OB23	73 mg
P026	SP61	OB49	25 mg
P027	SP12	OB10	5 mg
P028	SP13	OB08	94 mg
P029	SP97	OB22	13 mg
P030	SP04	OB46	68 mg
P031	SP19	OB39	23 mg
P032	SP22	OB04	45 mg
P033	SP99	OB16	83 mg
P034	SP07	OB17	11 mg
P035	SP31	OB49	6 mg
P036	SP91	OB08	15 mg
P037	SP68	OB23	55 mg
P038	SP78	OB34	26 mg
P039	SP26	OB47	26 mg
P040	SP32	OB01	7 mg
P041	SP11	OB36	27 mg
P042	SP05	OB14	49 mg
P043	SP15	OB02	50 mg
P044	SP16	OB45	38 mg
P045	SP58	OB17	71 mg

Latihan 4

1. [SQL] Jalankan SQL query pada Contoh 1 hingga 4 diatas.

QUERY CONTOH 1:



```
SET search_path to SIWANAP;
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
ERROR:  syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey';
          ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = "082134545678"
alvaro.austin-> WHERE nama = "Fredra Addey";
ERROR:  column "082134545678" does not exist
LINE 2: SET no_telp = "082134545678"
          ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
UPDATE 1
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

PERUBAHAN pada DATABASE SETELAH QUERY 1

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> SELECT * FROM PASIEN WHERE nama = 'Fredra Addey';

+-----+
| id_pasien |      nama      |          alamat          |   no_telp   |      email      | tgl_lahir |
|-----+-----+-----+-----+-----+-----+
| PA04     | Fredra Addey | Jl Akalipa Mas III RT 004/08 Kompl Villa Pamulang Mas Bl N-8/10, Dki Jakarta | 082134545678 | faddey3@tmall.com | 1997-12-03 |
| L       |             | (1 row)                |             |             |             |

```

QUERY CONTOH 2

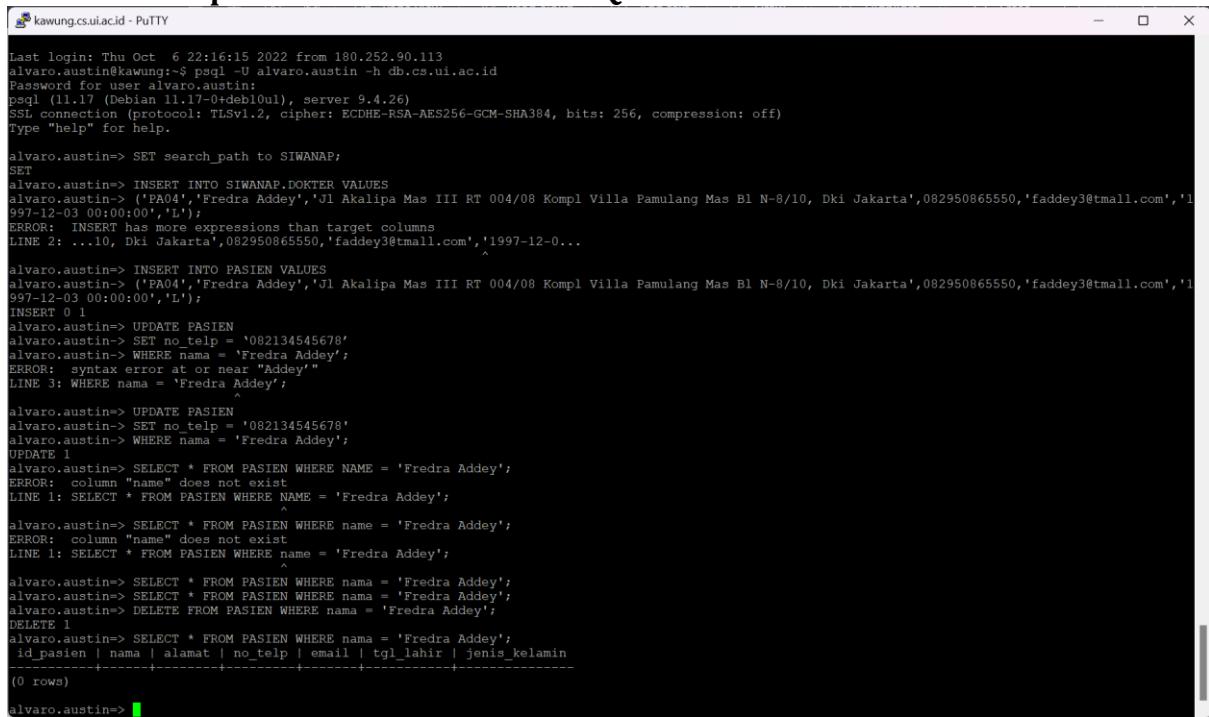
```
kawung.cs.ui.ac.id - PuTTY
T search_path to SIWANAP;
SET
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
ERROR: syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey';
^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = "082134545678"
alvaro.austin-> WHERE nama = "Fredra Addey";
ERROR: column "082134545678" does not exist
LINE 2: SET no_telp = "082134545678"
^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
UPDATE 1
alvaro.austin=> SELECT * FROM PASIEN;
alvaro.austin=> DELETE FROM PASIEN WHERE nama = "Fredra Addey";
ERROR: column "Fredra Addey" does not exist
LINE 1: DELETE FROM PASIEN WHERE nama = "Fredra Addey";
^
alvaro.austin=> DELETE FROM PASIEN WHERE nama = 'Fredra Addey';
DELETE 1
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

PERUBAHAN pada DATABASE SETELAH QUERY 2

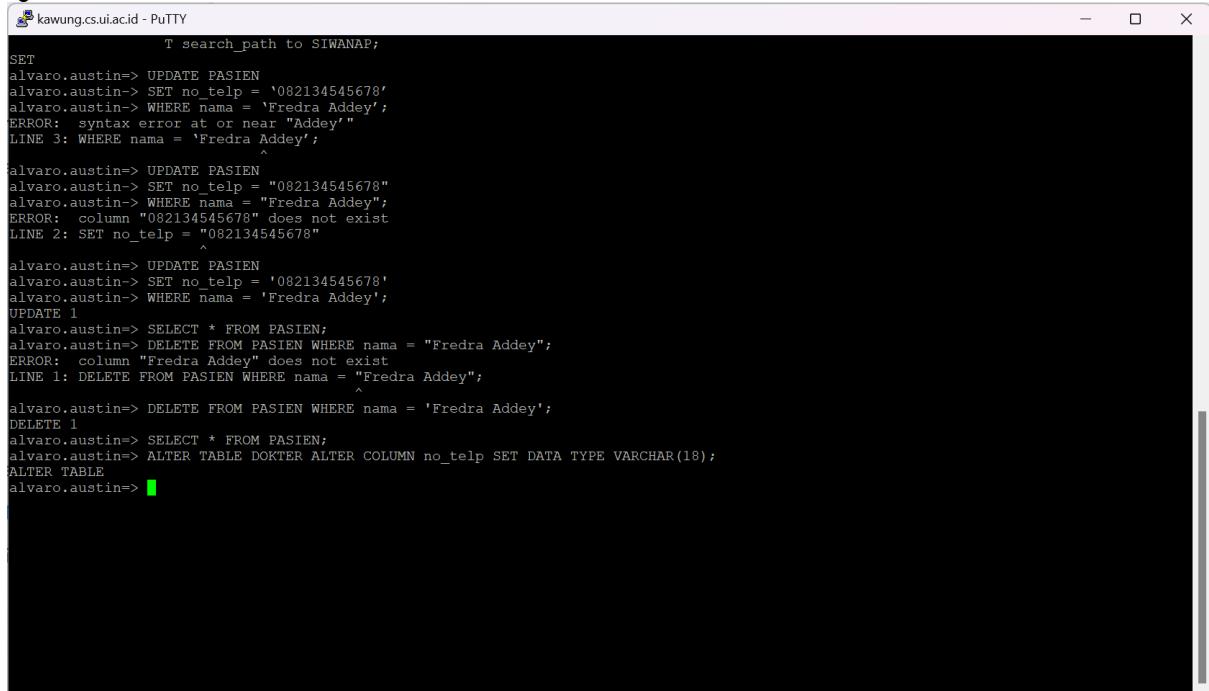


```
Last login: Thu Oct 6 22:16:15 2022 from 180.252.90.113
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server: 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> INSERT INTO SIWANAP.DOKTER VALUES
alvaro.austin-> ('PA04','Fredra Addey','Jl Akalipa Mas III RT 004/08 Kompl Villa Pamulang Mas Bl N-8/10, Dki Jakarta',082950865550,'faddey3@tmall.com','1997-12-03 00:00:00','L');
ERROR:  INSERT has more expressions than target columns
LINE 2: ...10, Dki Jakarta',082950865550,'faddey3@tmall.com','1997-12-0...
                                         ^
alvaro.austin=> INSERT INTO PASIEN VALUES
alvaro.austin-> ('PA04','Fredra Addey','Jl Akalipa Mas III RT 004/08 Kompl Villa Pamulang Mas Bl N-8/10, Dki Jakarta',082950865550,'faddey3@tmall.com','1997-12-03 00:00:00','L');
ERROR:  syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey'
                                         ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
ERROR:  syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey'
                                         ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
UPDATE 1
alvaro.austin=> SELECT * FROM PASIEN WHERE NAME = 'Fredra Addey';
ERROR:  column "name" does not exist
LINE 1: SELECT * FROM PASIEN WHERE NAME = 'Fredra Addey';
                                         ^
alvaro.austin=> SELECT * FROM PASIEN WHERE name = 'Fredra Addey';
ERROR:  column "name" does not exist
LINE 1: SELECT * FROM PASIEN WHERE name = 'Fredra Addey';
                                         ^
alvaro.austin=> SELECT * FROM PASIEN WHERE nama = 'Fredra Addey';
alvaro.austin=> SELECT * FROM PASIEN WHERE nama = 'Fredra Addey';
alvaro.austin=> DELETE FROM PASIEN WHERE nama = 'Fredra Addey';
DELETE 1
alvaro.austin=> SELECT * FROM PASIEN WHERE nama = 'Fredra Addey';
id_pasien | nama | alamat | no_telp | email | tgl_lahir | jenis_kelamin
-----+-----+-----+-----+-----+-----+
(0 rows)

alvaro.austin=>
```

QUERY CONTOH 3



```
alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
ERROR:  syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey'
                                         ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = "082134545678"
alvaro.austin-> WHERE nama = "Fredra Addey";
ERROR:  column "082134545678" does not exist
LINE 2: SET no_telp = "082134545678"
                                         ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = "082134545678"
alvaro.austin-> WHERE nama = "Fredra Addey";
UPDATE 1
alvaro.austin=> SELECT * FROM PASIEN;
alvaro.austin=> DELETE FROM PASIEN WHERE nama = "Fredra Addey";
ERROR:  column "Fredra Addey" does not exist
LINE 1: DELETE FROM PASIEN WHERE nama = "Fredra Addey"
                                         ^
alvaro.austin=> DELETE FROM PASIEN WHERE nama = 'Fredra Addey';
DELETE 1
alvaro.austin=> SELECT * FROM PASIEN;
alvaro.austin=> ALTER TABLE DOKTER ALTER COLUMN no_telp SET DATA TYPE VARCHAR(18);
ALTER TABLE
alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

PERUBAHAN pada DATABASE SETELAH QUERY 3

```

kawung.cs.ui.ac.id - PuTTY
LINE 2: ...10, Dki Jakarta',082950865550,'faddey3@tmall.com','1997-12-0...
alvaro.austin=> INSERT INTO PASIEN VALUES
alvaro.austin=> ('PA04','Fredra Addey','Jl Akalipa Mas III RT 004/08 Kompl Villa Pamulang Mas Bl N-8/10, Dki Jakarta',082950865550,'faddey3@tmall.com','1997-12-03 00:00:00','L');
INSERT 0 1
alvaro.austin=> UPDATE PASIEN
alvaro.austin=> SET no_telp = '082134545678'
alvaro.austin=> WHERE nama = 'Fredra Addey';
ERROR: syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey';
^
alvaro.austin=> UPDATE PASIEN
alvaro.austin=> SET no_telp = '082134545678'
alvaro.austin=> WHERE nama = 'Fredra Addey';
UPDATE 1
alvaro.austin=> SELECT * FROM PASIEN WHERE NAME = 'Fredra Addey';
ERROR: column "name" does not exist
LINE 1: SELECT * FROM PASIEN WHERE NAME = 'Fredra Addey';
^
alvaro.austin=> SELECT * FROM PASIEN WHERE name = 'Fredra Addey';
ERROR: column "name" does not exist
LINE 1: SELECT * FROM PASIEN WHERE name = 'Fredra Addey';
^
alvaro.austin=> SELECT * FROM PASIEN WHERE nama = 'Fredra Addey';
alvaro.austin=> SELECT * FROM PASIEN WHERE name = 'Fredra Addey';
alvaro.austin=> DELETE FROM PASIEN WHERE name = 'Fredra Addey';
DELETE 1
alvaro.austin=> SELECT * FROM PASIEN WHERE nama = 'Fredra Addey';
id_pasien | nama | alamat | no_telp | email | tgl_lahir | jenis_kelamin
-----+-----+-----+-----+-----+-----+
(0 rows)

alvaro.austin=> \d DOKTER
Table "siwanap.dokter"
 Column | Type | Collation | Nullable | Default
-----+-----+-----+-----+-----+
id_dokter | character varying(10) | | not null |
nama | character varying(100) | | not null |
no_telp | character varying(18) | | not null |
email | character varying(50) | | not null |
spesialisasi | text | | not null |
Indexes:
"dokter_pkey" PRIMARY KEY, btree (id_dokter)
Referenced by:
 TABLE "dokter_rawat_inap" CONSTRAINT "dokter_rawat_inap_id_dokter_fkey" FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter)
alvaro.austin=>

```

QUERY 1 CONTOH 4

id_dokter	nama	no_telp	email	spesialisasi
DO01	Lorry Jervois	89663186798	ljervois@pcworld.com	penyakit dalam
DO02	Brantley Ludlem	84281989692	bludleml@ox.ac.uk	penyakit dalam
DO03	Fanechka Maryman	81639594876	fmaryman2@bandcamp.com	penyakit dalam
DO04	Ronda Hargitt	88272764040	rhangitt3@hexun.com	penyakit dalam
DO05	Frederique Pruce	83447355115	fpruce4@nps.gov	penyakit dalam
DO06	Barty Leebetter	87601762815	bleebetter5@wsj.com	penyakit dalam
DO07	Ly Spellissy	87114027540	lspellissy6@blogspot.com	penyakit dalam
DO08	Den Stollsteimer	85054750630	dstollsteimer7@myspace.com	anak
DO09	Jenda Chaudret	87860070111	jchaudret8@example.com	anak
DO10	Moreen Hebbelwhite	83109586118	mhebbelwhite9@buzzfeed.com	anak
DO11	Idalia Caughtte	88041581978	icaughtte@samsung.com	anak
DO12	Darbie Howle	84548778195	dhowleb@zimbio.com	anak
DO13	Meade Munn	85430172820	mmunnce@s1.edu	anak
DO14	Josephine Schnieder	84551802662	jschnieder@umn.edu	anak
DO15	Rachael Redmire	81414872968	rredmire@vimeo.com	saraf
DO16	Sherry Fiveash	81836762704	sfiveashf@domainmarket.com	saraf
DO17	Stewart Filkov	81438198893	sfilkovg@fastcompany.com	saraf
DO18	Nero Vanyard	81684545781	nvanyard@technorati.com	saraf
DO19	Shepperd Lichfield	84437697707	slritchfield@tiny.cc	saraf
DO20	Candy Arminger	84319934032	carmingernj@abc.net.au	saraf
DO21	Lazaro Morston	84529491412	lmorston@nymag.com	saraf
DO22	Klemens Braybrooks	83117438823	kbraybrooks1@abc.net.au	kandungan dan ginekologi
DO23	Shandy Stell	81234079194	sstell@quantcast.com	kandungan dan ginekologi
DO24	Berty Normandale	83088032291	bnormandalen@list-manage.com	kandungan dan ginekologi
DO25	Jacinta Micco	82769828991	jmicco@illinois.edu	kandungan dan ginekologi
DO26	Malissa Richens	82943697788	mrichen@weather.com	kandungan dan ginekologi
DO27	Emery Brakespear	83756297748	ebrakespear@utexas.edu	kandungan dan ginekologi
DO28	Halsey Ivashchenko	84351641169	hivashchenkor@home.pl	kandungan dan ginekologi
DO29	Devlin Earney	81003195082	dearneys@sbwire.com	bedah
DO30	Carl Adelsberg	87917206718	cadelsbergt@networksolutions.com	bedah
DO31	Gearard Stapells	85738280407	gstapellsu@hc360.com	bedah
DO32	Cassandra Noddles	81220215324	cnoddlesy@dell.com	bedah
DO33	Genieve Guillotin	81315397179	gguillotin@theatlantic.com	bedah
DO34	Tiana Klimmek	89104117514	tklimmek@ocn.ne.jp	bedah
DO35	Garry Aspinell	89869528031	gaspinelly@cargocollective.com	bedah
DO36	Gerrianna Mardall	81743438027	gmardall2@vinaora.com	kulit dan kelamin
DO37	Lawry Galiford	89124483409	lgaliford10@sfgate.com	kulit dan kelamin
DO38	Bev Pieracci	83814358651	bpieracci11@dedecms.com	kulit dan kelamin
DO39	Zebulon Blacklawe	86705193433	zblacklawel2@globo.com	kulit dan kelamin

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023



UNIVERSITAS
INDONESIA

Veritas, Praeludes, Inedita

FACULTY OF
COMPUTER
SCIENCE

```
kawung.cs.ui.ac.id - PuTTY
+----+----+----+----+----+
| D006 | Bart Leebeter | 87601762815 | bleebeter5@wj.com | penyakit dalam
| D007 | Ly Speleessy | 87114027540 | lspeleessy66@blogspot.com | penyakit dalam
| D008 | Den Stollsteimer | 85054750630 | dstollsteimer7@myspace.com | anak
| D009 | Jenda Chaudret | 87860070111 | jchaudret8@example.com | anak
| D010 | Moreen Hebblethwaite | 83109586118 | mhebblethwaite9@buzzfeed.com | anak
| D011 | Idalia Caughte | 88041581978 | icaughte@samsung.com | anak
| D012 | Darbie Howle | 84548778195 | dhowleb@zimbiol.com | anak
| D013 | Meade Munn | 85430172820 | mmunnnc8@1.edu | anak
| D014 | Josephine Schnieder | 84551802662 | jschniederde@um.edu | anak
| D015 | Rachael Redmire | 81414872968 | rredmire@vimeo.com | saraf
| D016 | Sherry Fiveash | 81836762704 | sfiveash@domainmarket.com | saraf
| D017 | Stewart Filkov | 81438198883 | sfilkovg@fastcompany.com | saraf
| D018 | Nero Vanyard | 81684545781 | nvanyard@technorati.com | saraf
| D019 | Shepperd Lichfield | 84437697707 | slichfield@tiny.cc | saraf
| D020 | Candy Arninger | 84319934032 | carmingerj@abc.net.au | saraf
| D021 | Lazaro Morston | 84529491412 | lmorstonk@nymag.com | saraf
| D022 | Klemens Braybrooks | 83117438823 | kbraybrooks1@abc.net.au | kandungan dan ginekologi
| D023 | Shandy Stell | 81234079194 | sstell@mquantcast.com | kandungan dan ginekologi
| D024 | Betty Normandale | 8308032291 | bnormandale1@list-manage.com | kandungan dan ginekologi
| D025 | Jacinta Micco | 82769828991 | jmccoo@illinois.edu | kandungan dan ginekologi
| D026 | Malissa Richens | 82943697788 | mrichensp@weather.com | kandungan dan ginekologi
| D027 | Emery Brakespear | 83756297748 | ebrakespear@utexas.edu | kandungan dan ginekologi
| D028 | Halsey Iwashchenko | 84351641169 | hivashchenko@home.pl | kandungan dan ginekologi
| D029 | Devlin Earney | 81003195082 | dearneys@bwire.com | bedah
| D030 | Carl Adelsberg | 87917206718 | cadsbergt@networksolutions.com | bedah
| D031 | Gearard Stapells | 85738280407 | gstaپelis@uic360.com | bedah
| D032 | Cassandra Noddles | 81220215324 | cnoddlesv@ dell.com | bedah
| D033 | Genieve Guillotin | 81315397179 | gguillotin@theatlantic.com | bedah
| D034 | Tiana Klimmek | 89104117514 | tklimmekx@oocn.ne.jp | bedah
| D035 | Garry Aspinell | 89869528031 | gaspinelly@cargocollective.com | bedah
| D036 | Gerianna Mardall | 81743438027 | gmardallz@vinaora.com | kulit dan kelamin
| D037 | Lawry Galiford | 89124483409 | lgaliford1@sfgate.com | kulit dan kelamin
| D038 | Bev Pieracci | 83814358651 | bpieraccil@dedecms.com | kulit dan kelamin
| D039 | Zebulon Blacklawe | 86705193433 | zblacklawe1@globalo.com | kulit dan kelamin
| D040 | Tobias Trusse | 81023710802 | ttrusse13@sun.com | kulit dan kelamin
| D041 | Geoff Winthrop | 87843866302 | gwinthrop14@elp.com | kulit dan kelamin
| D042 | Adams Savage | 89135334290 | asavage15@tiny.cc | kulit dan kelamin
| D043 | Sigismond Stockbridge | 84252661633 | sstockbridge1@psu.edu | kulit dan kelamin
| D044 | Karna Fehners | 86464242539 | kfehners17@oomla.org | mata
| D045 | Lambert Wixey | 82923923502 | lwikey18@hsa.gov | mata
| D046 | Vanny Brouwer | 88896473691 | vbrouwer19@apache.org | mata
| D047 | Sephira Copsey | 87807546433 | scopsey1@q.co | mata
| D048 | Lari Jobbings | 81309045282 | ljobbings1@furl.net | mata
| D049 | Deana Gilhespy | 81079635491 | dgilhespy1@nature.com | mata
| D050 | Ulrich Denisevich | 85685636571 | udenisevich1@symantec.com | mata
(50 rows)
(END)
```

QUERY 2 CONTOH 4

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> ORDER BY nama ASC;
+----+
| nama |
+----+
| Adams Savage
| Bart Leebeter
| Betty Normandale
| Bev Pieracci
| Brantley Ludlem
| Candy Arninger
| Carl Adelsberg
| Cassandra Noddles
| Darbie Howle
| Deana Gilhespy
| Den Stollsteimer
| Devlin Earney
| Emery Brakespear
| Fanechka Maryman
| Frederique Pruce
| Garry Aspinell
| Gearard Stapells
| Genieve Guillotin
| Geoff Winthrop
| Gerianna Mardall
| Halsey Iwashchenko
| Idalia Caughte
| Jacinta Micco
| Jenda Chaudret
| Josephine Schnieder
| Karna Fehners
| Klemens Braybrooks
| Lambert Wixey
| Lari Jobbings
| Lawry Galiford
| Lazaro Morston
| Lorry Jervois
| Ly Speleessy
| Malissa Richens
| Meade Munn
| Moreen Hebblethwaite
| Nero Vanyard
| Rachael Redmire
| Ronda Hargitt
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023



```
kawung.cs.ui.ac.id - PuTTY
Candy Arminger
Carl Adelsberg
Cassandra Noddles
Darbie Howle
Deana Gilhespy
Den Stollsteimer
Devlin Earney
Emery Brakespear
Fanechka Maryman
Frederique Fruce
Garry Aspinell
Gearard Stapells
Genieve Guillotin
Geoff Winthrop
Gerianna Mardall
Halsey Ivashchenko
Idalia Caugthe
Jacinta Micco
Jenda Chaudret
Josephine Schnieder
Karna Fehners
Klemens Braybrooks
Lambert Wixey
Lari Jobbings
Lawry Galiford
Lazaro Morston
Lorry Jervois
Ly Spelllessy
Malissa Richens
Meade Munn
Moreen Hebblethwaite
Nero Vanyard
Rachael Redmire
Ronda Hargitt
Sephira Copsey
Shandy Stell
Shepperd Lichfield
Sherry Fiveash
Sigismund Stockbridge
Stewart Filkov
Tiena Klimmek
Tobias Trusse
Ulrich Denisevich
Vanny Brower
Zebulon Blacklawa
(50 rows)
(END)
```

QUERY 3 CONTOH 4

```
kawung.cs.ui.ac.id - PuTTY
ERROR: syntax error at or near "Addey"
LINE 3: WHERE nama = 'Fredra Addey';
          ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = "082134545678"
alvaro.austin-> WHERE nama = "Fredra Addey";
ERROR: column "082134545678" does not exist
LINE 2: SET no_telp = "082134545678"
          ^
alvaro.austin=> UPDATE PASIEN
alvaro.austin-> SET no_telp = '082134545678'
alvaro.austin-> WHERE nama = 'Fredra Addey';
UPDATE 1
alvaro.austin=> SELECT * FROM PASIEN;
alvaro.austin=> DELETE FROM PASIEN WHERE nama = "Fredra Addey";
ERROR: column "Fredra Addey" does not exist
LINE 1: DELETE FROM PASIEN WHERE nama = "Fredra Addey";
          ^
alvaro.austin=> DELETE FROM PASIEN WHERE nama = 'Fredra Addey';
DELETE 1
alvaro.austin=> SELECT * FROM PASIEN;
alvaro.austin=> ALTER TABLE DOKTER ALTER COLUMN no_telp SET DATA TYPE VARCHAR(18);
ALTER TABLE
alvaro.austin=> SELECT * FROM DOKTER;
alvaro.austin=> SELECT nama
alvaro.austin-> FROM DOKTER
alvaro.austin-> ORDER BY nama ASC;
alvaro.austin=> SELECT nama, spesialisasi
alvaro.austin-> FROM DOKTER
alvaro.austin-> WHERE spesialisasi LIKE '%anak%';
          nama      | spesialisasi
-----+
Den Stollsteimer | anak
Jenda Chaudret  | anak
Moreen Hebblethwaite | anak
Idalia Caugthe  | anak
Darbie Howle    | anak
Meade Munn     | anak
Josephine Schnieder | anak
(7 rows)

alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

QUERY 4 CONTOH 4

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin-> WHERE D.id_dokter = DRI.id_dokter;
    spesialisasi
-----
mata
penyakit dalam
bedah
bedah
anak
kulit dan kelamin
kandungan dan ginekologi
bedah
anak
penyakit dalam
anak
mata
bedah
kulit dan kelamin
kandungan dan ginekologi
penyakit dalam
saraf
kandungan dan ginekologi
kandungan dan ginekologi
bedah
mata
kandungan dan ginekologi
penyakit dalam
penyakit dalam
penyakit dalam
kandungan dan ginekologi
anak
kulit dan kelamin
bedah
anak
mata
penyakit dalam
penyakit dalam
penyakit dalam
kandungan dan ginekologi
anak
anak
mata
saraf
mata
bedah
kulit dan kelamin
kandungan dan ginekologi
penyakit dalam
penyakit dalam
penyakit dalam
kandungan dan ginekologi
anak
anak
mata
saraf
mata
bedah
kulit dan kelamin
anak
penyakit dalam
penyakit dalam
kandungan dan ginekologi
mata
kulit dan kelamin
mata
kulit dan kelamin
(50 rows)
(END)
```

```
kawung.cs.ui.ac.id - PuTTY
kulit dan kelamin
kandungan dan ginekologi
bedah
anak
penyakit dalam
anak
mata
bedah
kulit dan kelamin
kandungan dan ginekologi
penyakit dalam
saraf
kandungan dan ginekologi
kandungan dan ginekologi
bedah
mata
kandungan dan ginekologi
penyakit dalam
penyakit dalam
penyakit dalam
kandungan dan ginekologi
anak
kulit dan kelamin
bedah
anak
mata
penyakit dalam
penyakit dalam
penyakit dalam
kandungan dan ginekologi
anak
anak
mata
saraf
mata
bedah
kulit dan kelamin
anak
penyakit dalam
penyakit dalam
kandungan dan ginekologi
mata
kulit dan kelamin
mata
kulit dan kelamin
(50 rows)
(END)
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

QUERY 5 CONTOH 4

```
kawung.cs.ui.ac.id - PuTTY

alvaro.austin=> DELETE FROM PASIEN WHERE nama = 'Fredra Addey';
DELETE 1
alvaro.austin=> SELECT * FROM PASIEN;
alvaro.austin=> ALTER TABLE DOKTER ALTER COLUMN no_telp SET DATA TYPE VARCHAR(18);
ALTER TABLE
alvaro.austin=> SELECT * FROM DOKTER;
alvaro.austin=> SELECT nama
alvaro.austin=> FROM DOKTER
alvaro.austin=> ORDER BY nama ASC;
alvaro.austin=> SELECT nama, spesialisasi
alvaro.austin=> FROM DOKTER
alvaro.austin=> WHERE spesialisasi LIKE '%anak%';
      nama           | spesialisasi
-----+-----
Den Stollsteiner    | anak
Jenda Chaudret     | anak
Moreen Hebbelthwaite | anak
Idalia Caugthe     | anak
Darbie Howle       | anak
Meade Munn         | anak
Josephine Schnieder | anak
(7 rows)

alvaro.austin=> SELECT D.spesialisasi
alvaro.austin=> FROM DOKTER as D, DOKTER_RAWAT_INAP as DRI
alvaro.austin=> WHERE D.id_dokter = DRI.id_dokter;
alvaro.austin=> SELECT DISTINCT D.spesialisasi
alvaro.austin=> FROM DOKTER as D, DOKTER_RAWAT_INAP as DRI
alvaro.austin=> WHERE D.id_dokter = DRI.id_dokter;
      spesialisasi
-----+
penyakit dalam
anak
bedah
mata
kulit dan kelamin
saraf
kandungan dan ginekologi
(7 rows)

alvaro.austin=>
```

2. [SQL] Tampilkan nomor rawat_inap yang jenis kamarnya adalah "VIP B".

```
kawung.cs.ui.ac.id - PuTTY

alvaro.austin=> SELECT * FROM RAWAT_INAP
alvaro.austin=> ;
alvaro.austin=> SELECT * FROM KAMAR
alvaro.austin=> ;
alvaro.austin=> SELECT * FROM RAWAT_INAP
;
alvaro.austin=> SELECT * FROM RAWAT_INAP
;
alvaro.austin=> SELECT * FROM RAWAT_INAP
;
alvaro.austin=> SELECT id_rawat_inap
alvaro.austin=> FROM RAWAT_INAP, KAMAR
alvaro.austin=> WHERE RAWAT_INAP.id_kamar = KAMAR.id_kamar and KAMAR.jenis = "VIP B";
ERROR: column "VIP B" does not exist
LINE 3: ...AT_INAP.id_kamar = KAMAR.id_kamar and KAMAR.jenis = "VIP B";
      ^
alvaro.austin=> SELECT id_rawat_inap
FROM RAWAT_INAP, KAMAR
WHERE RAWAT_INAP.id_kamar = KAMAR.id_kamar and KAMAR.jenis = 'VIP B';
      id_rawat_inap
-----+
RIO1
RIO2
RIO3
RIO4
RIO5
RIO6
RIO7
RIO8
RIO9
RIO10
RIO11
RIO12
RIO13
RIO14
RIO15
RIO16
RIO17
RIO18
RIO19
RIO20
RIO21
RIO22
RIO23
RIO24
RIO25
RIO26
RIO27
RIO28
RIO29
RIO30
RIO31
RIO32
RIO33
RIO34
RIO35
RIO36
RIO37
RIO38
RIO39
RIO40
RIO41
RIO42
RIO43
RIO44
RIO45
RIO46
RIO47
(18 rows)

alvaro.austin=>
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

3. [SQL] Tampilkan nama pasien, nama kamar, dan jenis kamar yang diinapi oleh pasien, serta nama dokter yang mengurus rawat inap dari pasien tersebut.

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> SELECT PASIEN.nama, KAMAR.nama, KAMAR.jenis, DOKTER.nama
alvaro.austin-> FROM PASIEN, KAMAR, DOKTER, RAWAT_INAP, DOKTER_RAWAT_INAP
alvaro.austin-> WHERE PASIEN.id_pasien = RAWAT_INAP.id_pasien and KAMAR.id_kamar = RAWAT_INAP.id_kamar and DOKTER.id_dokter = DOKTER.id_dokter and DOKTER_RAWAT_INAP.id_dokter = DOKTER.id_dokter and DOKTER_RAWAT_INAP.id_rawat_inap = RAWAT_INAP.id_rawat_inap;
+-----+-----+-----+
| nama | nama | jenis |
+-----+-----+-----+
| Elena Badgers | Merak 9 | VIP B | Karna Fehners
| Bevin Carlino | Elang 10 | VIP A | Fanechka Maryman
| Bevin Carlino | Elang 6 | VIP A | Carl Adelsberg
| Yard Fiddler | Elang 10 | VIP A | Carl Adelsberg
| Donni O'haire | Jalak 2 | Kelas 2 | Darbie Howle
| Maitilde Cundey | Mural 1 | Kelas 1 | Gerrianna Mardall
| Lee Dot | Merpati 2 | Kelas 3 | Malissa Richens
| Lee Dot | Merak 15 | VIP B | Genieve Guillotin
| Lee Dot | Merpati 2 | Kelas 3 | Jenda Chaudret
| Jayme Clew | Merak 15 | VIP B | Fanechka Maryman
| Rey Ferrieri | Elang 8 | VIP A | Idalia Caughe
| Lee Dot | Merpati 2 | Kelas 3 | Sephira Copsey
| Bevin Carlino | Elang 6 | VIP A | Genieve Guillotin
| Lenci Scoffham | Mural 3 | Kelas 1 | Gerrianna Mardall
| Raddy Klazenga | Merak 11 | VIP B | Shandy Stell
| Englebert Glassard | Merpati 5 | Kelas 3 | Ronda Hargitt
| Yard Fiddler | Elang 10 | VIP A | Candy Arminger
| Raddy Klazenga | Merak 11 | VIP B | Klemens Braybrooks
| Archibaldo Wanklyn | Elang 10 | VIP A | Malissa Richens
| Bevin Carlino | Elang 6 | VIP A | Garry Aspinell
| Saloma Jacob | Jalak 5 | Kelas 2 | Deana Gilhespy
| Rodney Di Blasio | Elang 3 | VIP A | Jacinta Micco
| Meade Redington | Merak 4 | VIP B | Brantley Ludlem
| Lee Dot | Merak 15 | VIP B | Brantley Ludlem
| Cesar Witard | Merak 14 | VIP B | Barty Leebeter
| Padraic De Francisci | Merak 2 | VIP B | Jacinta Micco
| Saloma Jacob | Jalak 5 | Kelas 2 | Jenda Chaudret
| Tracey Varey | Merak 6 | VIP B | Gerrianna Mardall
| Tracey Varey | Merak 6 | VIP B | Devlin Earney
| Morie Davisson | Elang 1 | VIP A | Jenda Chaudret
| Charlot Huffadine | Elang 8 | VIP A | Sephira Copsey
| Morie Davisson | Elang 1 | VIP A | Fanechka Maryman
| Lacea Jimson | Mural 2 | Kelas 1 | Lorrey Jervois
| Henriette Renon | Jalak 4 | Kelas 2 | Barty Leebeter
| Stewart Mustard | Merak 8 | VIP B | Halsey Ivashchenko
| Maitilde Cundey | Mural 1 | Kelas 1 | Josephine Schnieder
| Maitilde Cundey | Elang 8 | VIP A | Jenda Chaudret
| Henriette Renon | Jalak 4 | Kelas 2 | Deana Gilhespy
| Lacea Jimson | Mural 2 | Kelas 1 | Sherry Fiveash
| Raddy Klazenga | Merak 11 | VIP B | Vanny Brower
| Yard Fiddler | Elang 10 | VIP A | Tiana Klimmek
| Rey Ferrieri | Elang 8 | VIP A | Bev Pieracci
| Raddy Klazenga | Merak 11 | VIP B | Jenda Chaudret
| Welsh Landeaux | Merak 2 | VIP B | Fanechka Maryman
| Lenci Scoffham | Mural 3 | Kelas 1 | Lorrey Jervois
| Archibaldo Wanklyn | Elang 10 | VIP A | Emery Brakespear
| Hamlen Ryles | Merak 10 | VIP B | Lambert Wixey
| Barry Weeljes | Elang 5 | VIP A | Zebulon Blacklawe
| Raddy Klazenga | Merak 11 | VIP B | Lambert Wixey
| Englebert Glassard | Merpati 5 | Kelas 3 | Adams Savage
(50 rows)

(END)
```

Laporan Tutorial Lab 1

Basis Data

Semester Ganjil 2022/2023

4. [SQL] Tampilkan informasi lengkap perawat yang mengandung nama “Greger”.

```
kawung.cs.ui.ac.id - PuTTY
alvaro.austin=> FROM KAMAR
alvaro.austin=> WHERE harga < 170000;
|nama
-----
|(0 rows)

alvaro.austin=> SELECT nama
FROM KAMAR
WHERE harga < '170000';
|nama
-----
|(0 rows)

alvaro.austin=> SELECT nama
FROM PERAWAT
WHERE nama LIKE '%Greger%'^Z
[1]+ Stopped                 psql -U alvaro.austin -h db.cs.ui.ac.id
alvaro.austin@kawung:~$ ^C
alvaro.austin@kawung:~$ psql -U alvaro.austin -h db.cs.ui.ac.id
Password for user alvaro.austin:
psql (11.17 (Debian 11.17-0+deb10u1), server 9.4.26)
SSL connection (protocol: TLSv1.2, cipher: ECDHE-RSA-AES256-GCM-SHA384, bits: 256, compression: off)
Type "help" for help.

alvaro.austin=> SELECT *
alvaro.austin=> FROM PERAWAT
alvaro.austin=> WHERE nama LIKE '%Greger%';
ERROR: relation "perawat" does not exist
LINE 2: FROM PERAWAT
          ^
alvaro.austin=> SET search_path to SIWANAP;
SET
alvaro.austin=> SELECT *
FROM PERAWAT
WHERE nama LIKE '%Greger%';
 id_perawat |  nama      | no_telp |       email        | jenis_kelamin
-----+-----+-----+-----+-----+
 PE28 | Mitchell Greger | 86521338439 | mgregerr@chronoengine.com | L
(1 row)

alvaro.austin=>
```

5. [SQL] Tampilkan nama kamar yang harga kamarnya kurang dari Rp170.000

```
kawung.cs.ui.ac.id - PuTTY
KA29 | Merak 14 | VIP B | 1 | 1100000
KA30 | Merak 15 | VIP B | 1 | 1100000
KA31 | Elang 1  | VIP A | 1 | 1600000
KA32 | Elang 2  | VIP A | 1 | 1600000
KA33 | Elang 3  | VIP A | 1 | 1600000
KA34 | Elang 4  | VIP A | 1 | 1600000
KA35 | Elang 5  | VIP A | 1 | 1600000
KA36 | Elang 6  | VIP A | 1 | 1600000
KA37 | Elang 7  | VIP A | 1 | 1600000
KA38 | Elang 8  | VIP A | 1 | 1600000
KA39 | Elang 9  | VIP A | 1 | 1600000
KA40 | Elang 10 | VIP A | 1 | 1600000
KA41 | Garuda 1 | VVIP | 1 | 3100000
KA42 | Garuda 2 | VVIP | 1 | 3100000
KA43 | Garuda 3 | VVIP | 1 | 3100000
KA44 | Garuda 4 | VVIP | 1 | 3100000
KA45 | Garuda 5 | VVIP | 1 | 3100000
(45 rows)

alvaro.austin=> SELECT nama
alvaro.austin=> FROM KAMAR
alvaro.austin=> WHERE harga < 170.000;
|nama
-----
|(0 rows)

alvaro.austin=> SELECT nama
alvaro.austin=> FROM KAMAR
alvaro.austin=> WHERE harga < 170000;
|nama
-----
|(0 rows)

alvaro.austin=> SELECT nama
FROM KAMAR
WHERE harga < '170000';
|nama
-----
|(0 rows)

alvaro.austin=>
```