




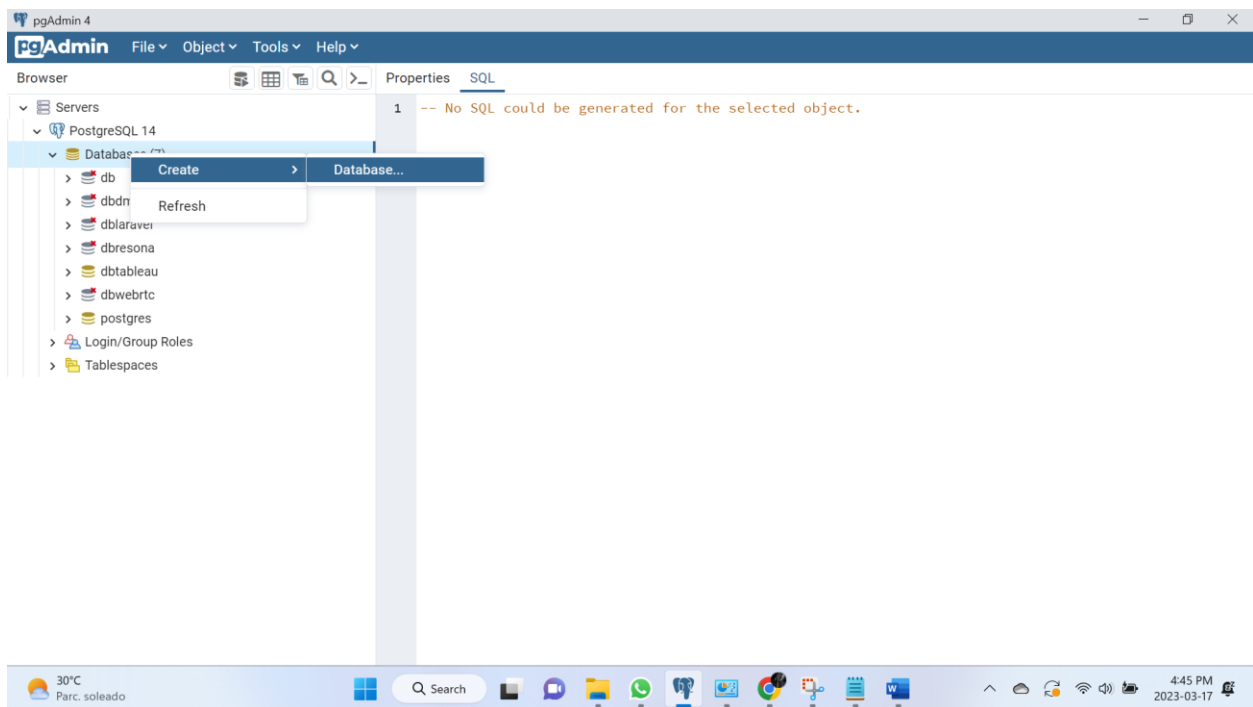
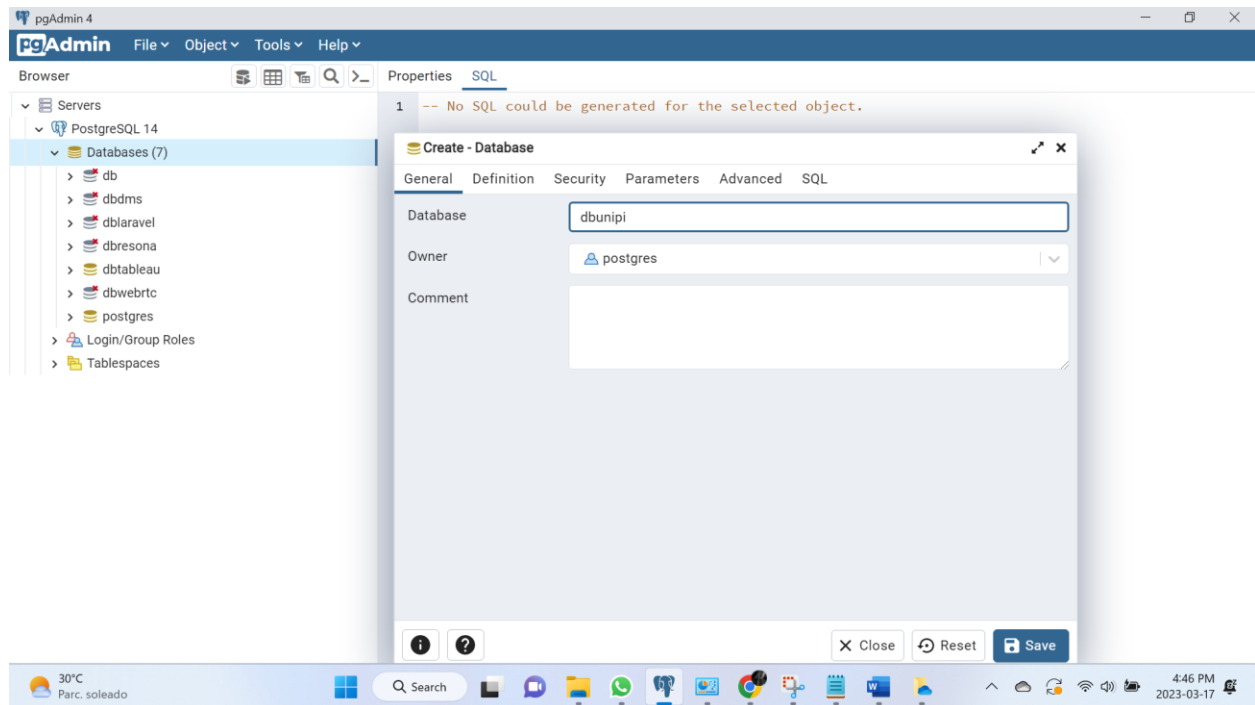


Persiapan Data

Name	Date modified	Type	Size
 mst_cabang.csv	2023-03-17 4:37 PM	Microsoft Excel Com...	21 KB
 mst_harga_harian.csv	2023-03-17 4:41 PM	Microsoft Excel Com...	825 KB
 mst_kategori.csv	2023-03-17 4:39 PM	Microsoft Excel Com...	1 KB
 mst_produk.csv	2023-03-17 4:38 PM	Microsoft Excel Com...	2 KB
 trans_penjualan.csv	2023-03-17 4:40 PM	Microsoft Excel Com...	26,203 KB

Buat Database baru dengan nama “dbunipi”





Buat Tabel baru “mst_cabang”

```
CREATE TABLE IF NOT EXISTS public.mst_cabang
```

```
(
    kode_cabang character(10) COLLATE pg_catalog."default",
    nama_cabang text COLLATE pg_catalog."default",
    kode_kota character(8) COLLATE pg_catalog."default"
)
```

Buat Tabel baru “mst_harga_harian”

```
CREATE TABLE IF NOT EXISTS public.mst_harga_harian
```

```
(
    kode_produk character(12) COLLATE pg_catalog."default" NOT NULL,
    tgl_berlaku character varying(20) COLLATE pg_catalog."default",
    tanggal_berlaku date,
    harga_berlaku_cabang integer,
    modal_cabang integer,
    biaya_cabang integer
)
```

Buat Tabel baru “mst_kategori”

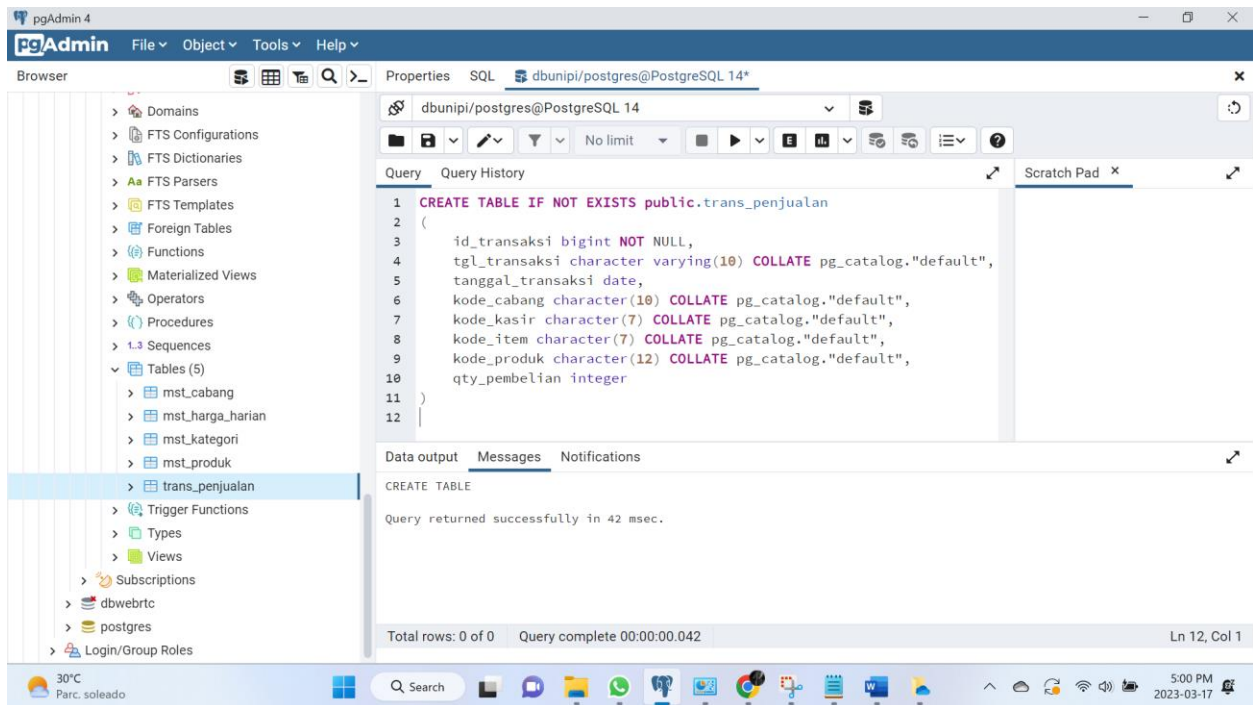
```
CREATE TABLE IF NOT EXISTS public.mst_kategori  
(  
    kode_kategori character(7) COLLATE pg_catalog."default",  
    nama_kategori character varying(50) COLLATE pg_catalog."default"  
)
```

Buat Tabel baru “mst_produk”

```
CREATE TABLE IF NOT EXISTS public.mst_produk  
(  
    kode_produk character(12) COLLATE pg_catalog."default",  
    kode_kategori character(7) COLLATE pg_catalog."default",  
    nama_produk character varying(255) COLLATE pg_catalog."default",  
    unit integer,  
    kode_satuan character varying(20) COLLATE pg_catalog."default"  
)
```

Buat Tabel baru “trans_penjualan”

```
CREATE TABLE IF NOT EXISTS public.trans_penjualan  
(  
    id_transaksi bigint NOT NULL,  
    tgl_transaksi character varying(10) COLLATE pg_catalog."default",  
    tanggal_transaksi date,  
    kode_cabang character(10) COLLATE pg_catalog."default",  
    kode_kasir character(7) COLLATE pg_catalog."default",  
    kode_item character(7) COLLATE pg_catalog."default",  
    kode_produk character(12) COLLATE pg_catalog."default",  
    qty_pembelian integer  
)
```



Import CSV File ke dalam database

COPY mst_cabang

FROM 'D:\Indra\Tableau\Unipi\Data\mst_cabang.csv'

DELIMITER ','

CSV HEADER;

COPY mst_kategori

FROM 'D:\Indra\Tableau\Unipi\Data\mst_kategori.csv'

DELIMITER ','

CSV HEADER;

COPY mst_produk

FROM 'D:\Indra\Tableau\Unipi\Data\mst_produk.csv'

DELIMITER ','

CSV HEADER;

```
COPY mst_harga_harian
FROM 'D:\Indra\Tableau\Unipi\Data\mst_harga_harian.csv'
DELIMITER ','
CSV HEADER;
```

```
COPY trans_penjualan
FROM 'D:\Indra\Tableau\Unipi\Data\trans_penjualan.csv'
DELIMITER ','
CSV HEADER;
```

```
=CONCAT(MID(B2;7;4);"-";MID(B2;4;2);"-";LEFT(B2;2))
```

Pengecekan Data

```
SELECT * FROM mst_cabang
SELECT * FROM mst_kategori
SELECT * FROM mst_produk
SELECT * FROM mst_harga_harian
SELECT * FROM trans_penjualan
```

Join tabel

```
SELECT tp.id_transaksi,
       tp.tanggal_transaksi as tgl_transaksi,
       tp.kode_cabang,
       mc.nama_cabang,
       tp.kode_kasir,
       tp.kode_item,
       tp.kode_produk,
       mp.nama_produk,
       mp.kode_kategori,
       mk.nama_kategori,
       mp.unit,
       mp.kode_satuan,
```

mh.harga_berlaku_cabang,

mh.modal_cabang,

mh.biaya_cabang,

tp.qty_pembelian

FROM trans_penjualan tp

LEFT JOIN mst_cabang mc ON tp.kode_cabang = mc.kode_cabang

LEFT JOIN mst_produk mp ON tp.kode_produk = mp.kode_produk

LEFT JOIN mst_kategori mk ON mp.kode_kategori = mk.kode_kategori

LEFT JOIN mst_harga_harian mh ON tp.kode_produk = mh.kode_produk

AND tp.tanggal_transaksi = mh.tanggal_berlaku

order by id_transaksi;

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with 'Tables (6)' expanded under the 'dbunipi/postgres@PostgreSQL 14' connection. The main pane shows a SQL query in the 'Query' tab. The query is a SELECT statement with several JOINs and an ORDER BY clause. The 'Data output' tab shows the results of the query, which are 100 rows. The first three rows are visible in the table below.

id_transaksi bigint	tgl_transaksi date	kode_cabang character (10)	nama_cabang text	kode_kasir character (7)	kode_item character (7)	kode_produk character (12)	nama_produk character varying (255)
1	2020-01-01	CABANG-039	UNUPI - Makas...	039-053	ITM-038	PROD-0000040	salak 1 kg
2	2020-01-01	CABANG-039	UNUPI - Makas...	039-127	ITM-020	PROD-0000023	markisa 600 ml

Buat tabel penampung dengan nama “dt_trans_penjualan” dengan query Insert INTO

Export tabel “dt_trans_penjualan” ke dalam file .csv

COPY dt_trans_penjualan

TO 'D:\Indra\Tableau\Unipi\Data\dt_trans_penjualan.csv'

DELIMITER ','

CSV HEADER;