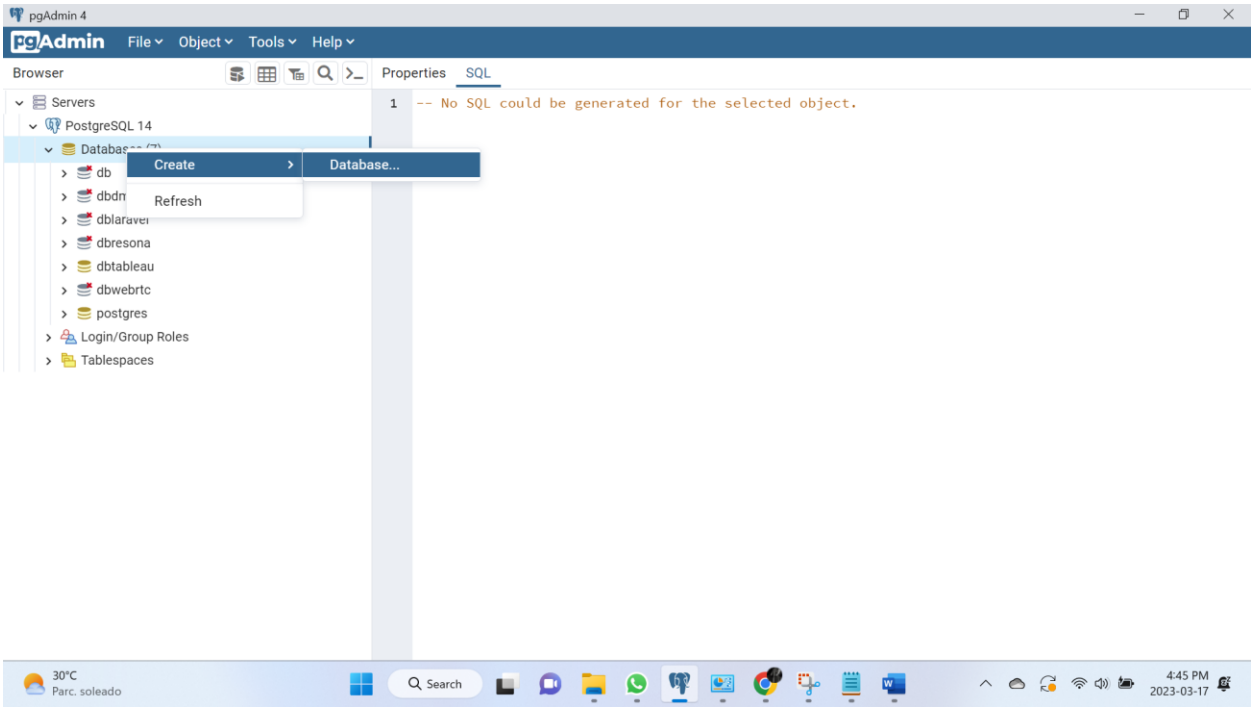
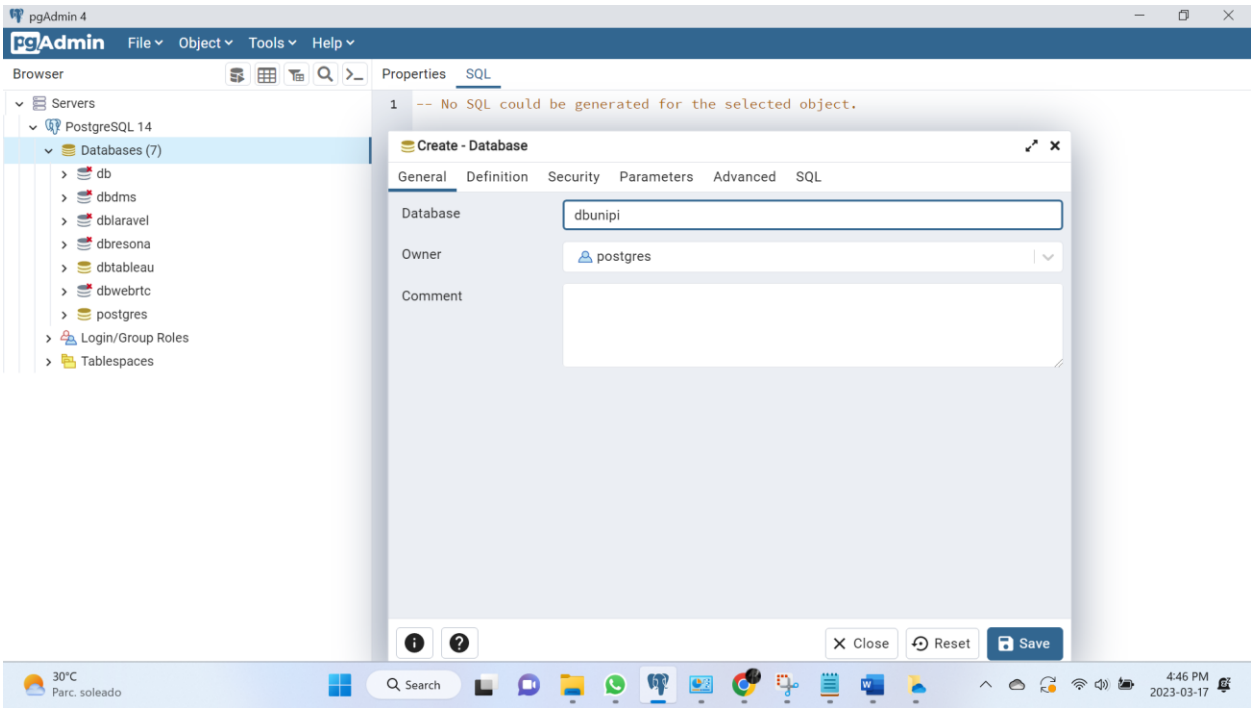
Persiapan Data

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”

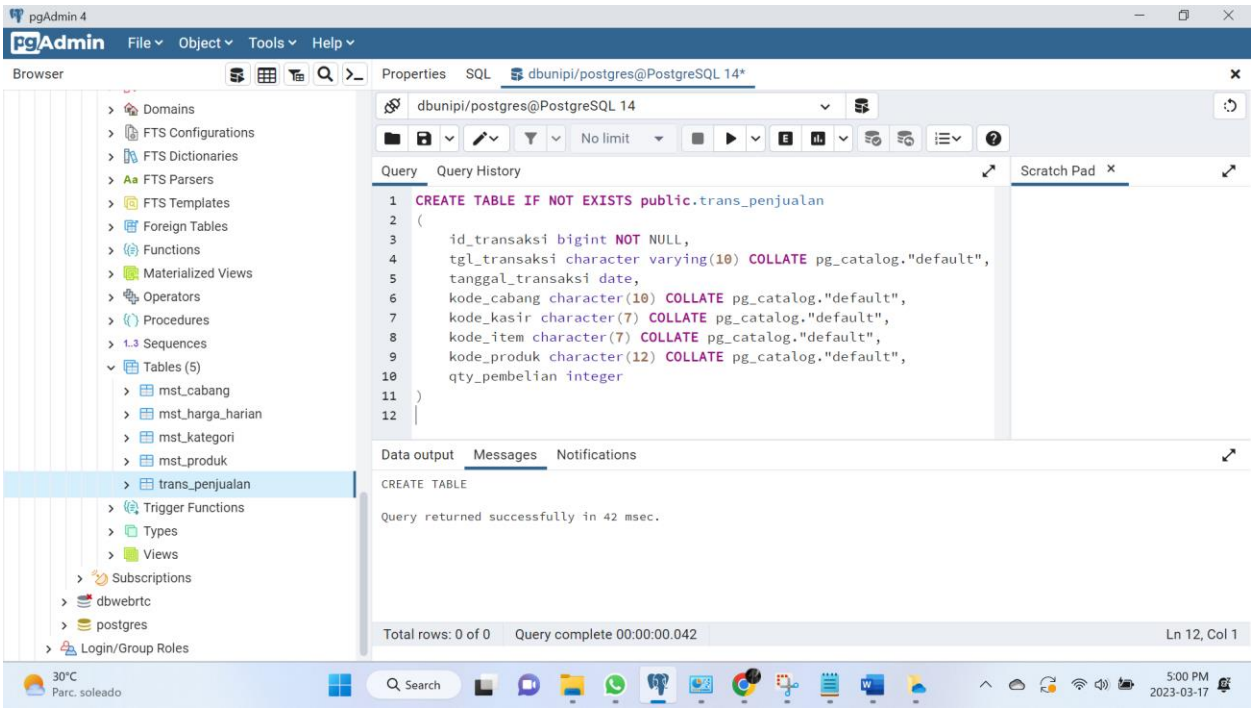
```
CREATE TABLE IF NOT EXISTS public.mst_kategori
(
    kode_kategori character(7) COLLATE pg_catalog."default",
    nama_kategori character varying(50) COLLATE pg_catalog."default"
)
```

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))
```

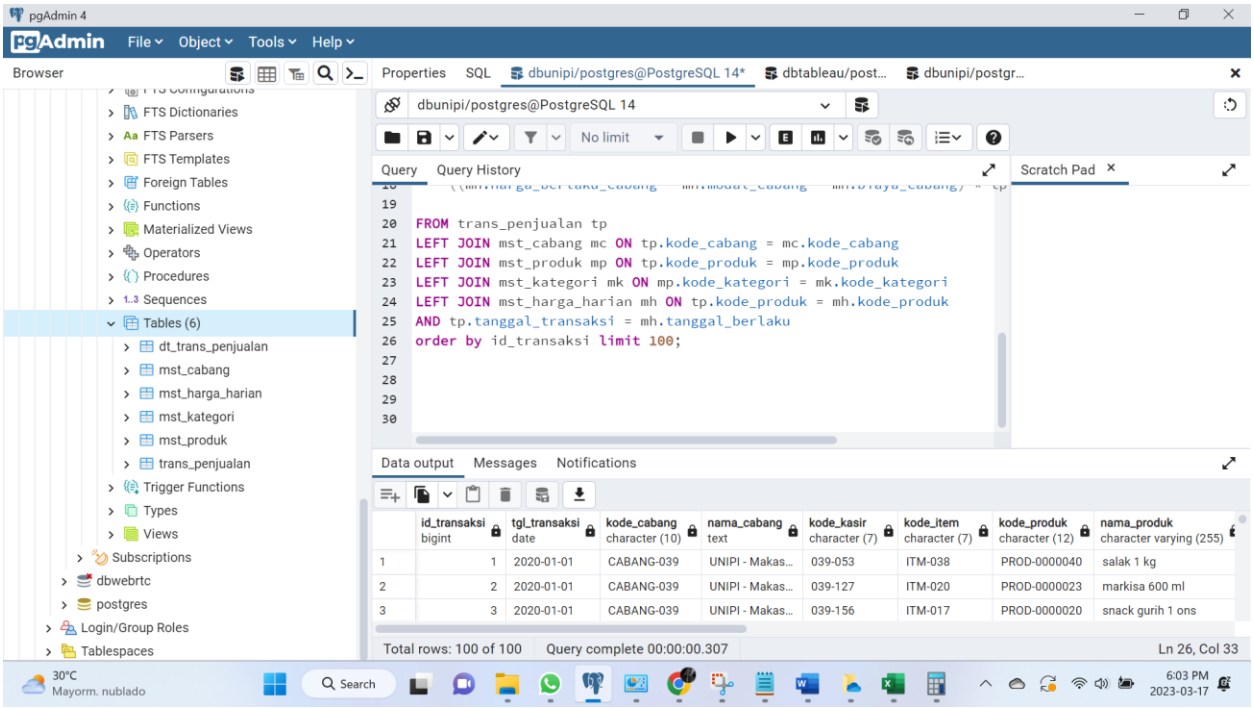
Pengecekan Data

```
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;
```



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;
```