

Tutorial PostgreSQL

1. Buka terminal

```
mazharrasyad@mazharrasyad: ~  
mazharrasyad@mazharrasyad:~$
```

2. Install postgresql

```
mazharrasyad@mazharrasyad: ~  
mazharrasyad@mazharrasyad:~$ sudo apt-get install postgresql postgresql-contrib  
[sudo] password for mazharrasyad:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
postgresql is already the newest version (9.5+173ubuntu0.2).  
postgresql-contrib is already the newest version (9.5+173ubuntu0.2).  
The following packages were automatically installed and are no longer required:  
  aria2 libc-ares2 linux-headers-4.15.0-33 linux-headers-4.15.0-33-generic  
  linux-image-4.15.0-33-generic linux-modules-4.15.0-33-generic  
  linux-modules-extra-4.15.0-33-generic  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
mazharrasyad@mazharrasyad:~$
```

3. Mengedit pg_hba.conf

```
mazharrasyad@mazharrasyad: ~  
mazharrasyad@mazharrasyad:~$ sudo nano /etc/postgresql/9.5/main/pg_hba.conf
```

- Tampilan isi pg_hba.conf

```
mazharrasyad@mazharrasyad: ~  
GNU nano 2.5.3 File: /etc/postgresql/9.5/main/pg_hba.conf  
## PostgreSQL Client Authentication Configuration File  
# =====  
#  
# Refer to the "Client Authentication" section in the PostgreSQL  
# documentation for a complete description of this file. A short  
# synopsis follows.  
#  
# This file controls: which hosts are allowed to connect, how clients  
# are authenticated, which PostgreSQL user names they can use, which  
# databases they can access. Records take one of these forms:  
#  
# local      DATABASE  USER  METHOD  [OPTIONS]  
# host       DATABASE  USER  ADDRESS METHOD  [OPTIONS]  
# Read 99 lines  
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

- Cari syntax yang diblok kemudian ganti peer menjadi password

```
mazharrasyad@mazharrasyad: ~
GNU nano 2.5.3 File: /etc/postgresql/9.5/main/pg_hba.conf Modified

local all postgres peer
# TYPE DATABASE USER ADDRESS METHOD
# "local" is for Unix domain socket connections only
local all all peer
# IPv4 local connections:
host all all 127.0.0.1/32 peer
# IPv6 local connections:
host all all ::1/128 peer
# Allow replication connections from localhost, by a user with the
# replication privilege.
#local replication postgres peer

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

- Pastikan sesuai gambar berikut kemudian tekan **CTRL + X** lalu tekan **Y** dan tekan **Enter**

```
mazharrasyad@mazharrasyad: ~
GNU nano 2.5.3 File: /etc/postgresql/9.5/main/pg_hba.conf

local all postgres peer
# TYPE DATABASE USER ADDRESS METHOD
# "local" is for Unix domain socket connections only
local all all password
# IPv4 local connections:
host all all 127.0.0.1/32 password
# IPv6 local connections:
host all all ::1/128 password
# Allow replication connections from localhost, by a user with the
# replication privilege.
#local replication postgres peer

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

- Selesai konfigurasi

```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ sudo nano /etc/postgresql/9.5/main/pg_hba.conf
mazharrasyad@mazharrasyad:~$
```

4. Mencoba login ke postgresql dengan user postgres

```
mazharrasyad@mazharrasyad: ~
mazharrasyad@mazharrasyad:~$ sudo -u postgres psql
psql (9.5.14)
Type "help" for help.

postgres=#
```

5. Mengganti password user postgres

```
mazharrasyad@mazharrasyad: ~  
postgres=# alter user postgres with password 'psql';  
ALTER ROLE  
postgres=#
```

6. Keluar dari postgresql

```
mazharrasyad@mazharrasyad: ~  
postgres=# \q  
mazharrasyad@mazharrasyad:~$
```

7. Membuat user baru (Password sesuai nama user)

```
mazharrasyad@mazharrasyad: ~  
mazharrasyad@mazharrasyad:~$ sudo -u postgres createuser si -P --interactive  
Enter password for new role:  
Enter it again:  
Shall the new role be a superuser? (y/n) n  
Shall the new role be allowed to create databases? (y/n) y  
Shall the new role be allowed to create more new roles? (y/n) n  
mazharrasyad@mazharrasyad:~$
```

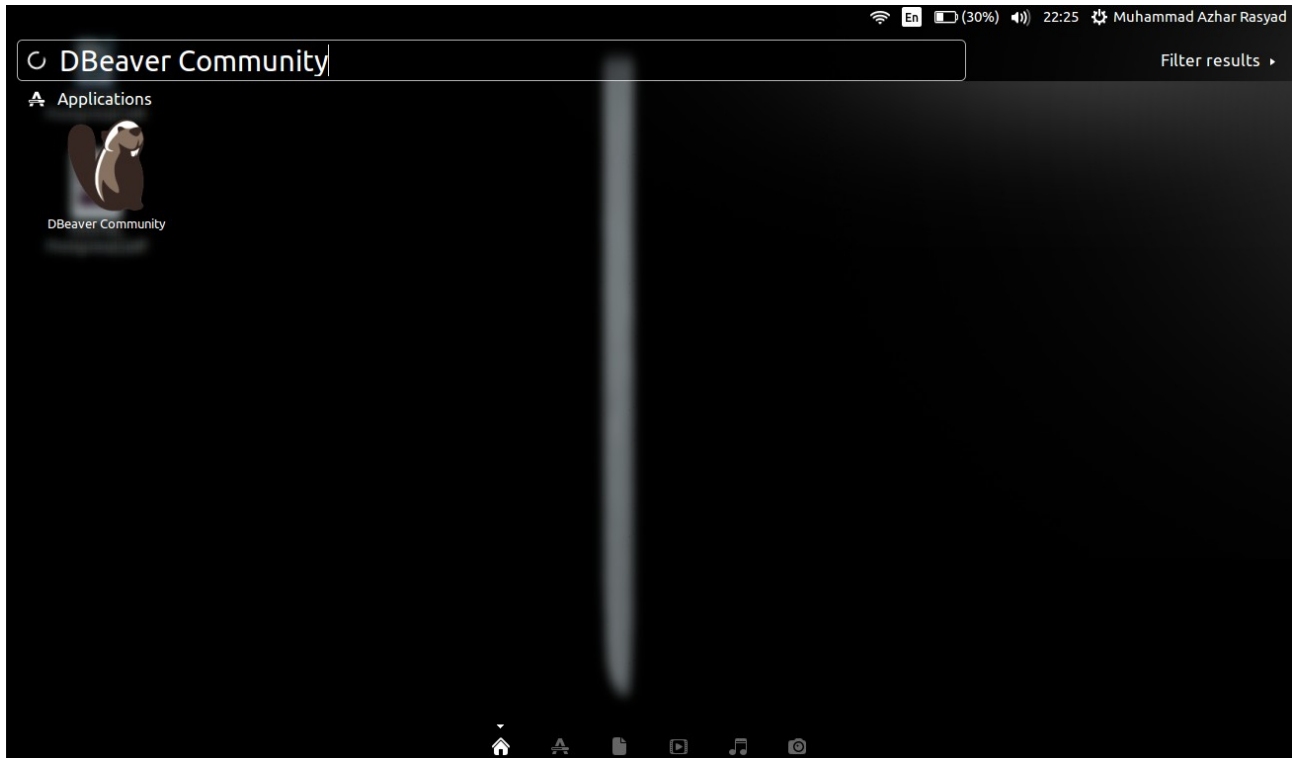
8. Membuat database

```
mazharrasyad@mazharrasyad: ~  
mazharrasyad@mazharrasyad:~$ createdb dbmart_si -U si  
Password:  
mazharrasyad@mazharrasyad:~$
```

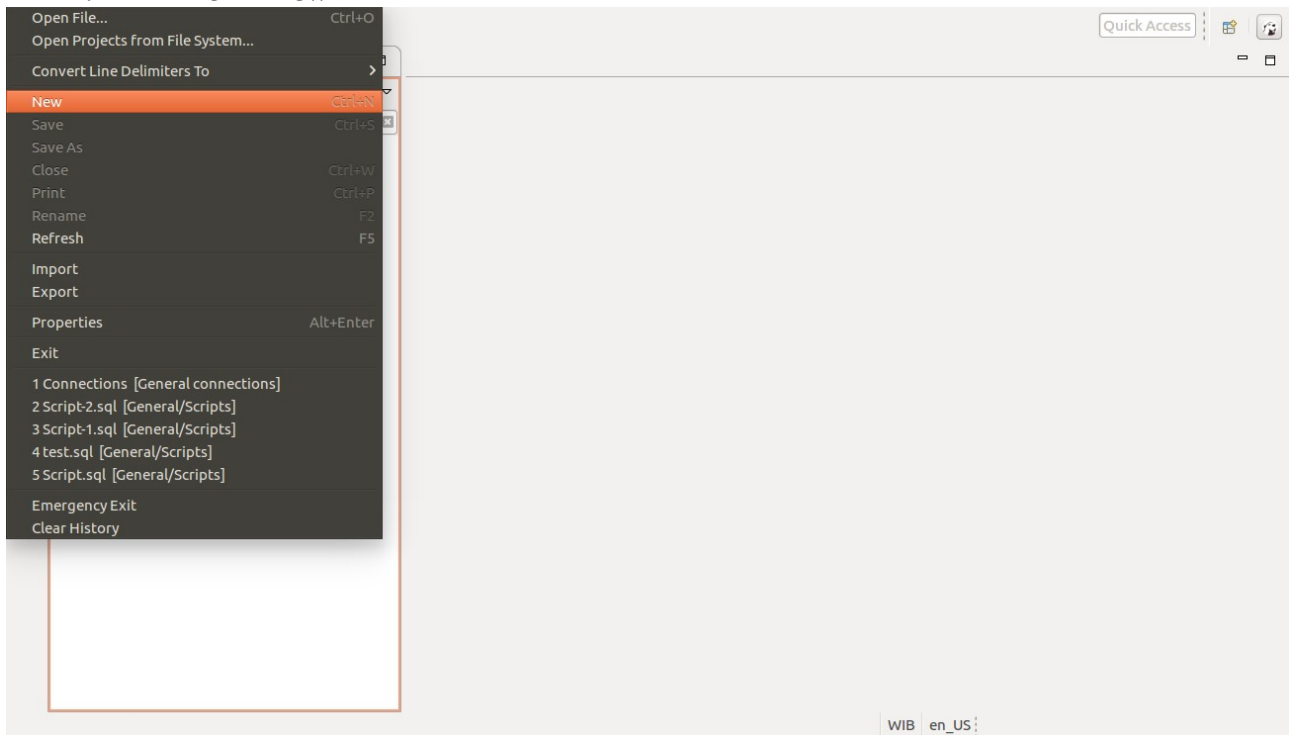
9. Install dbeaver

(Skip)

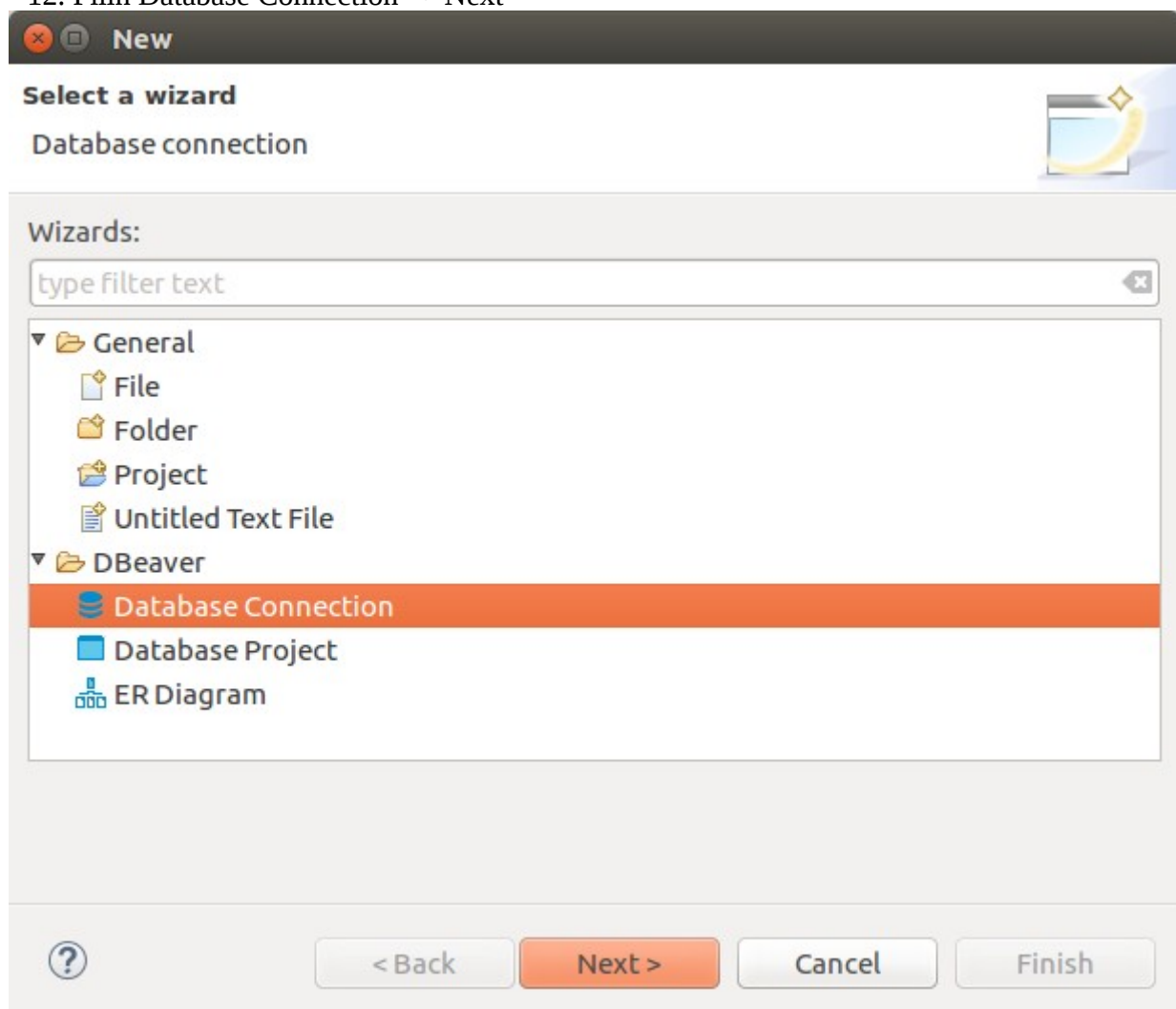
10. Masuk ke dbeaver



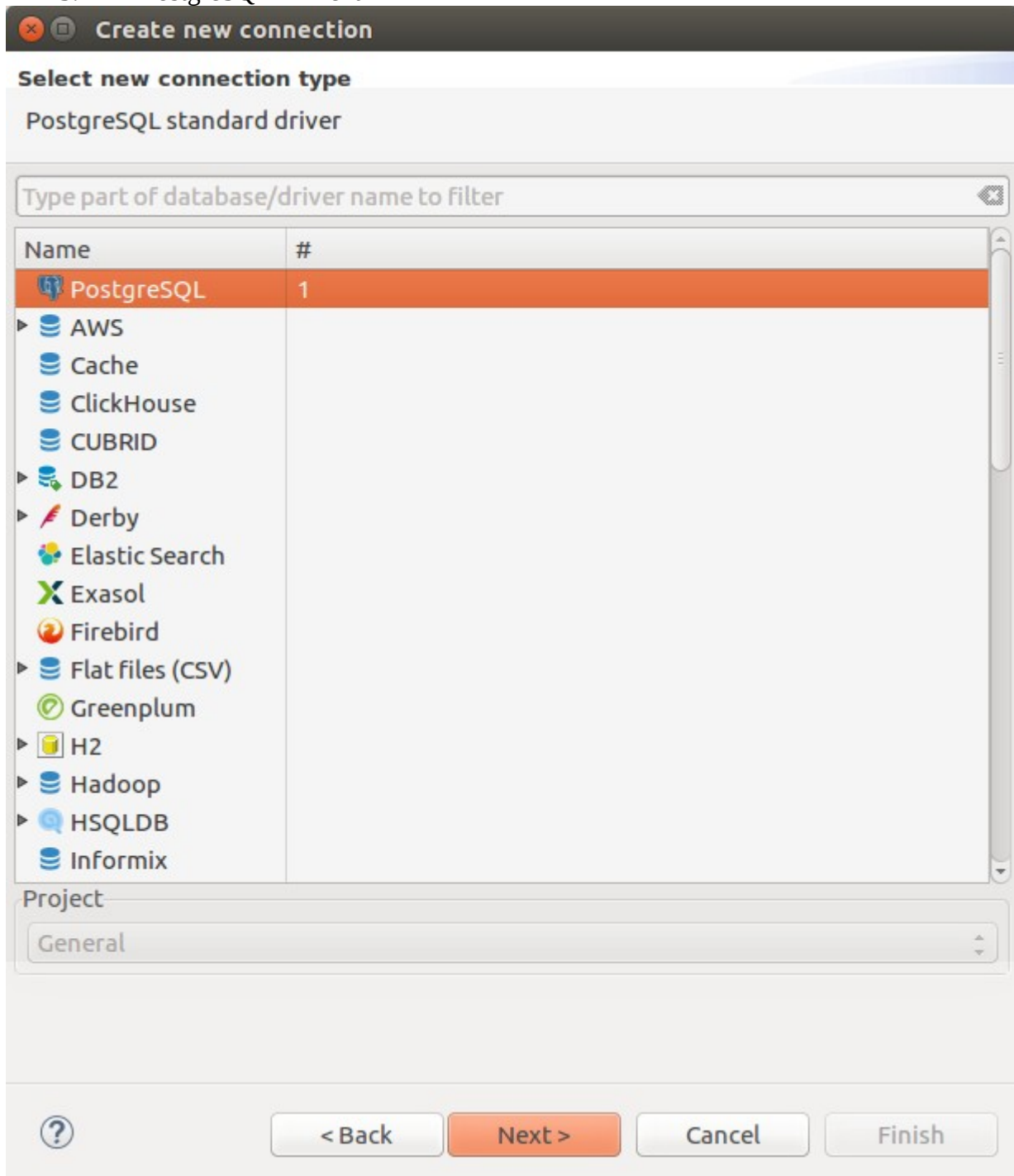
11. Pilih File → New



12. Pilih Database Connection → Next



13. Pilih PostgreSQL → Next



14. Ketik Database : dbmart_si, User : si, Password : si

Create new connection

Connection Settings

PostgreSQL connection settings

General | Driver properties

Host: Port:

Database:

User: Password:

Local Client:

Settings

☒ Show non-default databases

☐ Show template databases

Driver Name: PostgreSQL Edit Driver Settings

? < Back Next > Cancel Finish

15. Pilih Next

Create new connection

Network

Configure networks handlers and tunnels

SSH Tunnel

SOCKS Proxy

SSL

☐ Use SSH Tunnel

Settings

Host/IP:

Port:

22

User Name:

Authentication Method:

Password

Password

Save Password:

☐

Advanced

Implementation:

JSch

Local port:

0

Keep-Alive interval (ms):

0

Tunnel connect timeout (ms):

10000

Test tunnel configuration

?

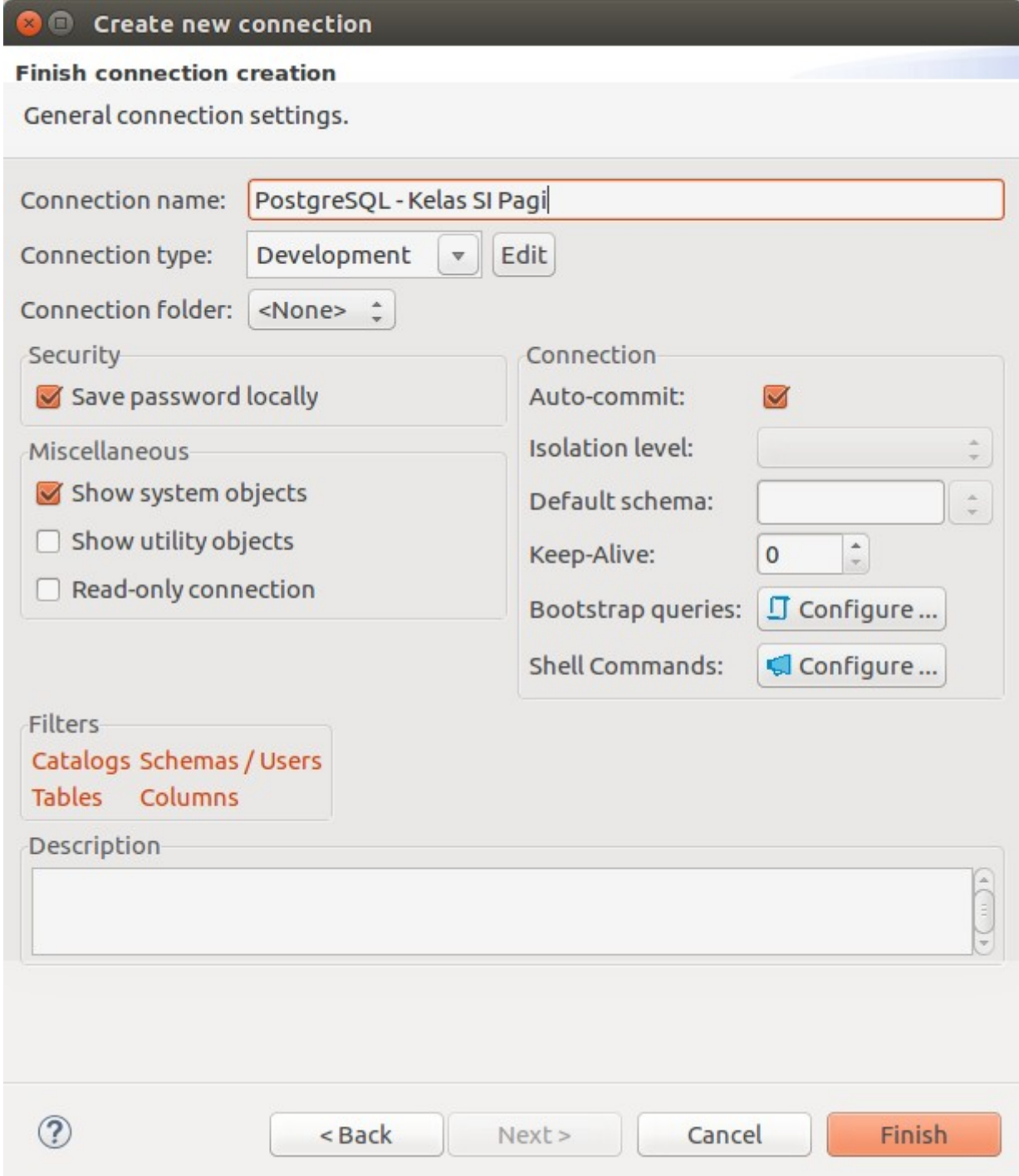
< Back

Next >

Cancel

Finish

16. Ketik Connection Name → Finish



Create new connection

Finish connection creation

General connection settings.

Connection name:

Connection type:

Connection folder:

Security

☒ Save password locally

Miscellaneous

☒ Show system objects

☐ Show utility objects

☐ Read-only connection

Connection

Auto-commit: ☒

Isolation level:

Default schema:

Keep-Alive:

Bootstrap queries:

Shell Commands:

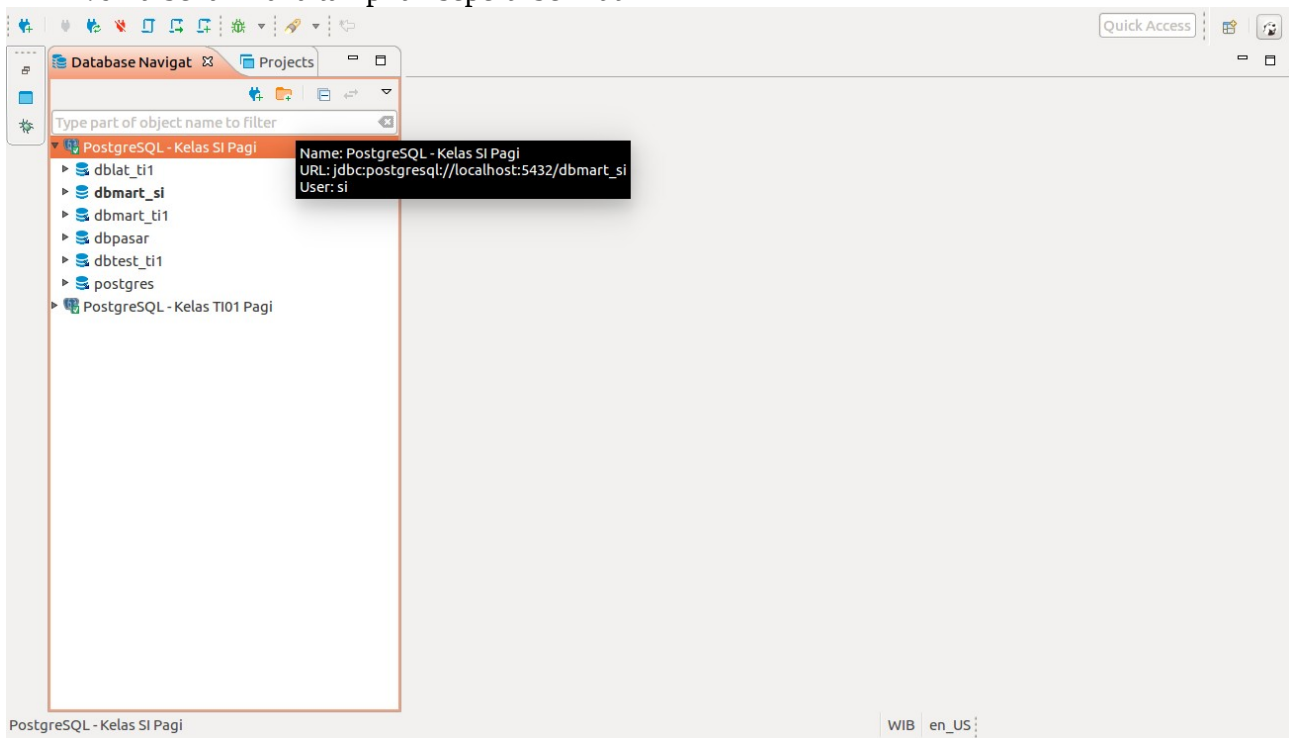
Filters

Catalogs Schemas / Users

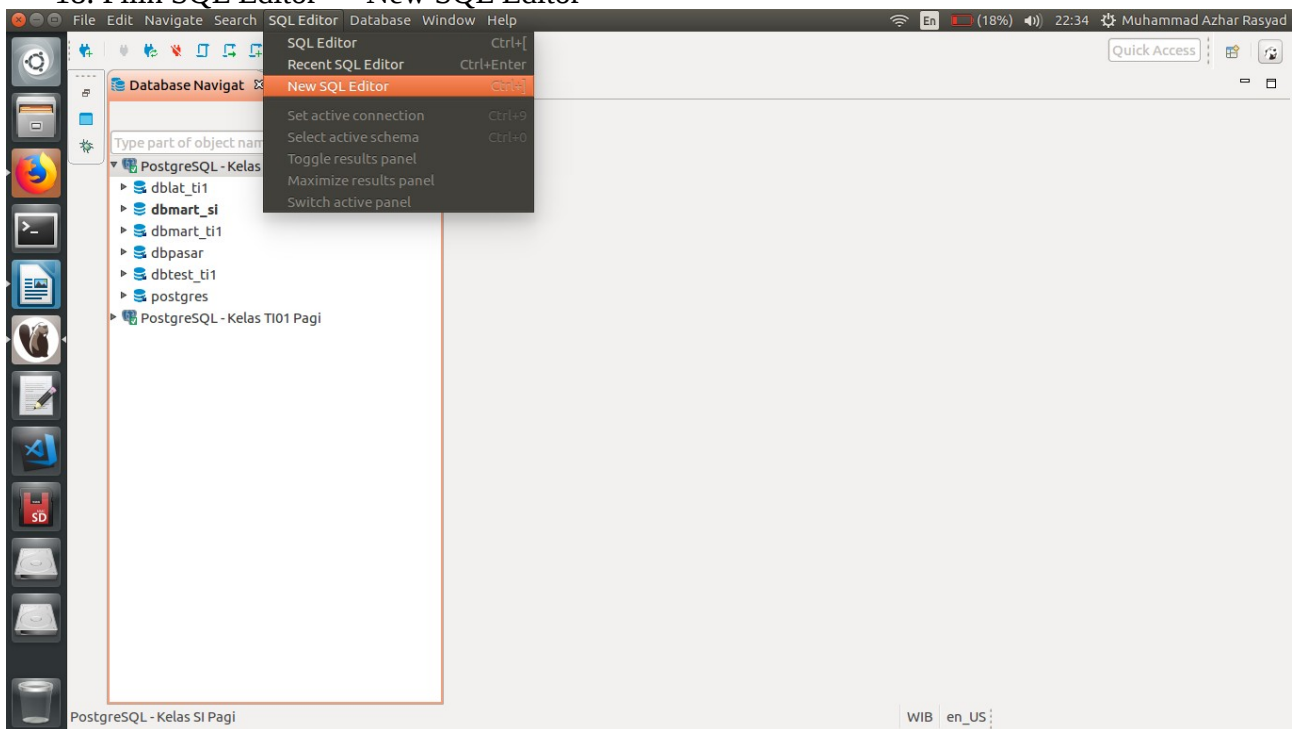
Tables Columns

Description

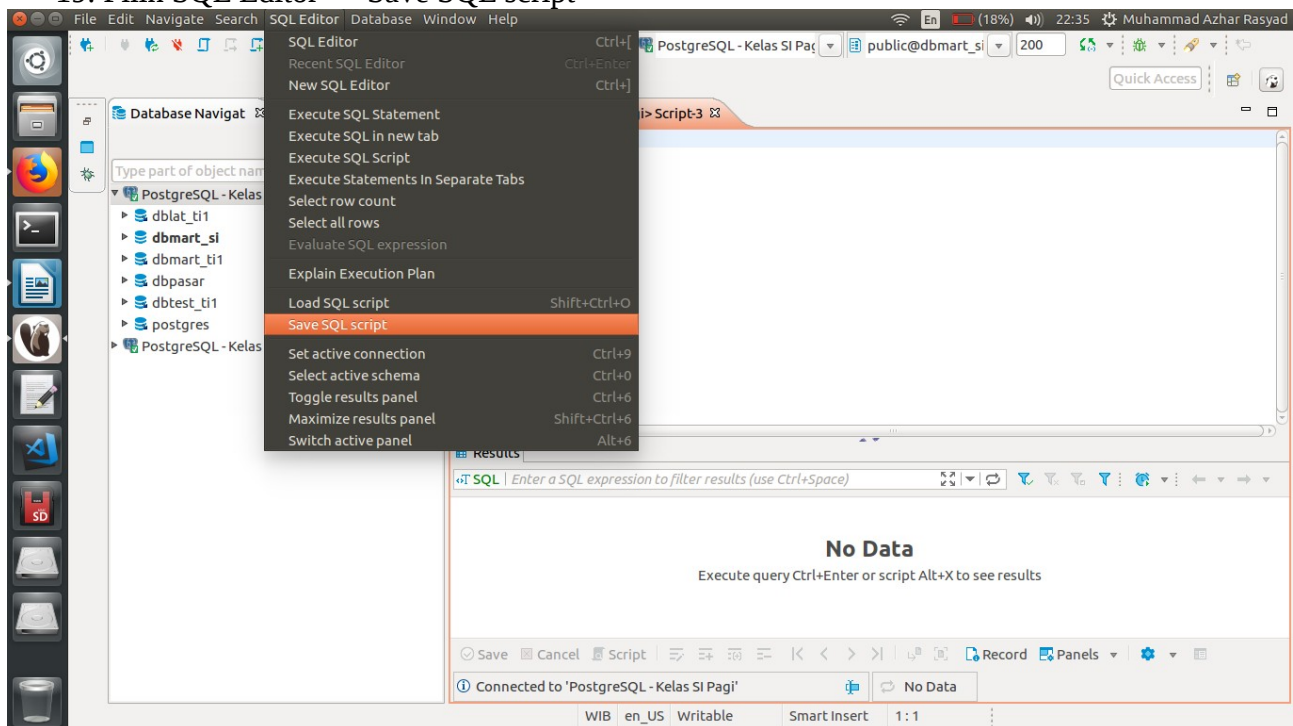
17. Jika benar maka tampilan seperti berikut



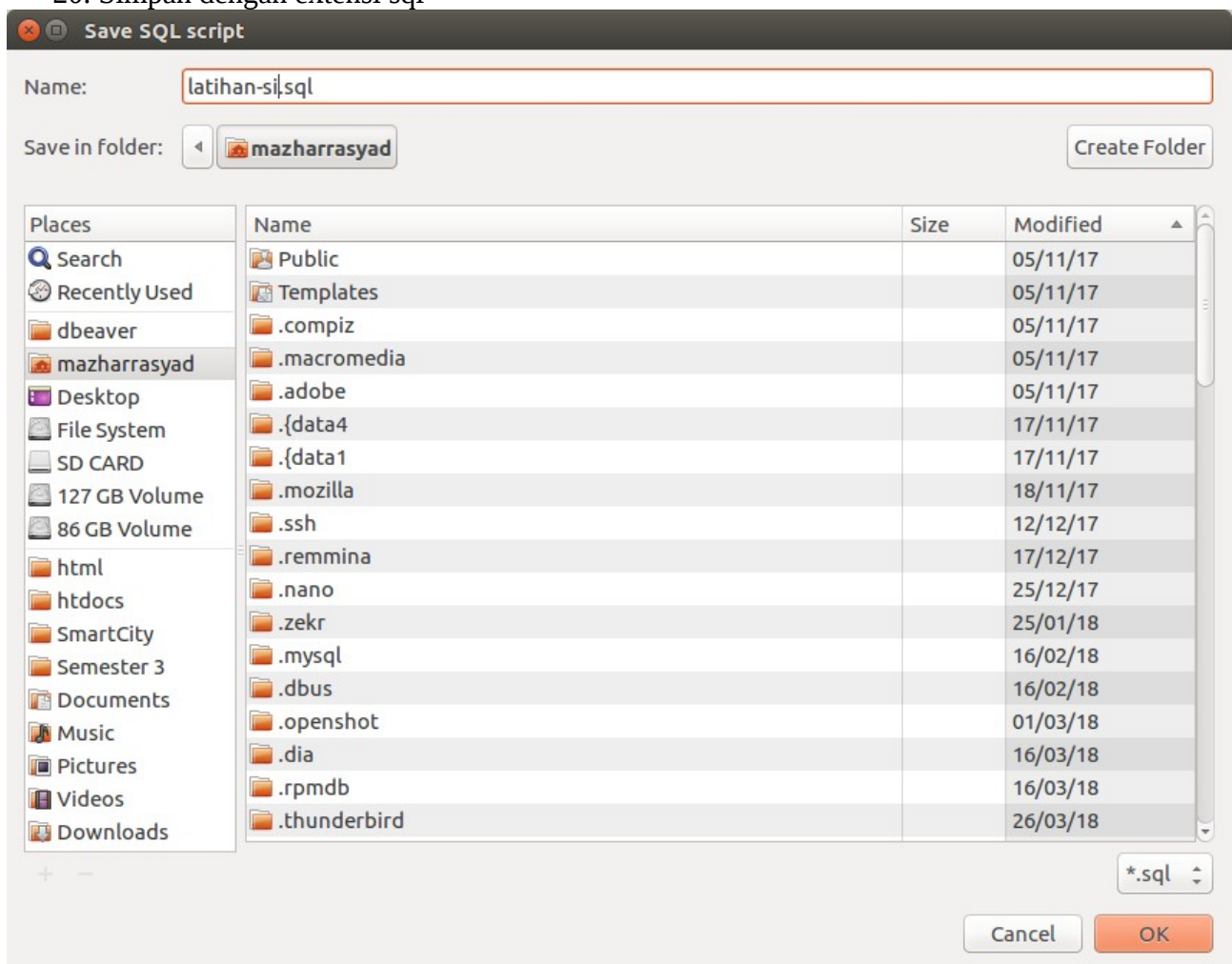
18. Pilih SQL Editor → New SQL Editor



19. Pilih SQL Editor → Save SQL script



20. Simpan dengan ekstensi sql



21. Close dbeaver dan Buka kembali dbeaver
22. Instalasi Selesai