

JOBSCHEET 1 – BASIS DATA LANJUT

PENGENALAN POSTGRE SQL



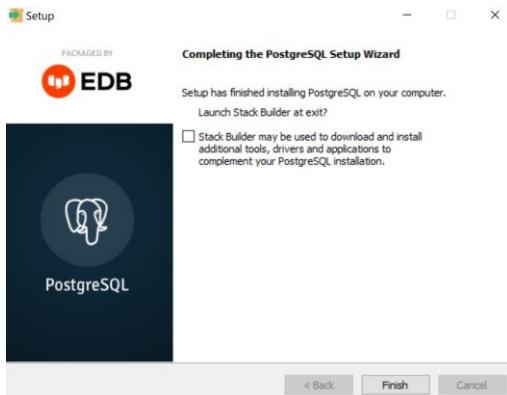
GARGARINA NANDA ISWATI

NIM. 244107060100

SIB 2F – 12

Praktikum 1: Install PostgreSQL

Melakukan instalasi PostgreSQL sesuai urutan pada Jobsheet.

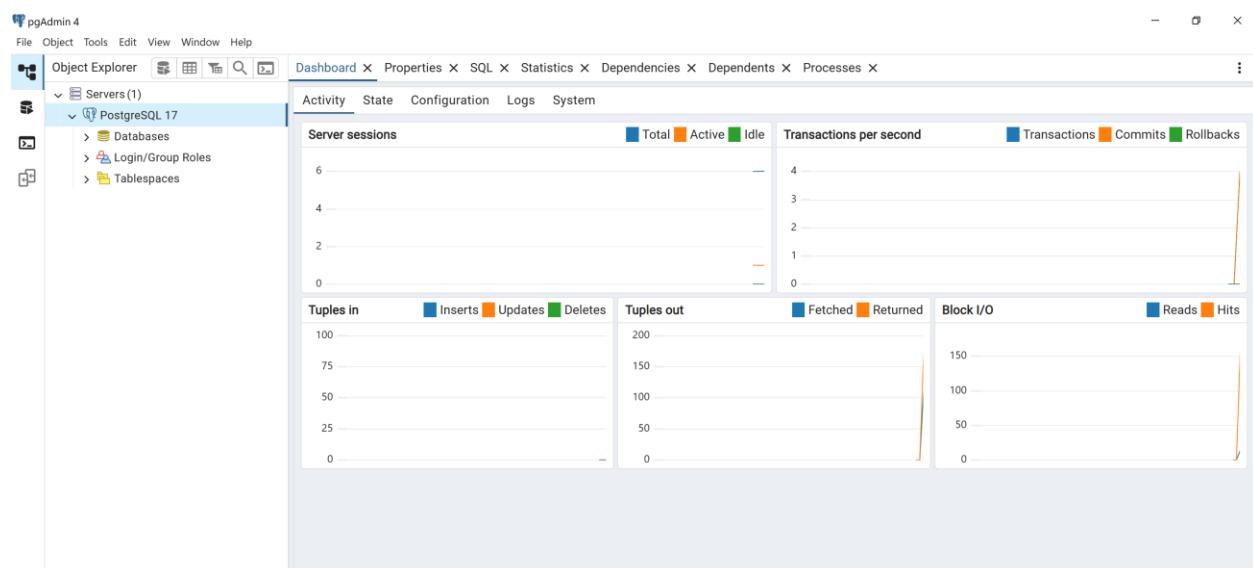


Instalasi PostgreSQL dan pgAdmin berhasil.



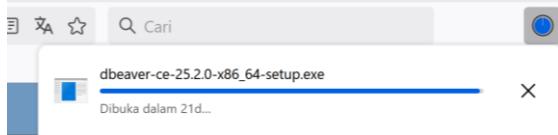
Praktikum 2: Check PostgreSQL dan pgAdmin

Berhasil masuk ke PostgreSQL dan memasukkan password

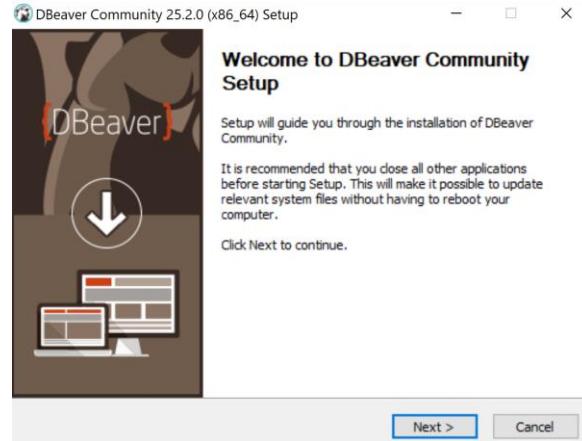


Praktikum 3: Install DBeaver dan menghubungkan ke PostgreSQL

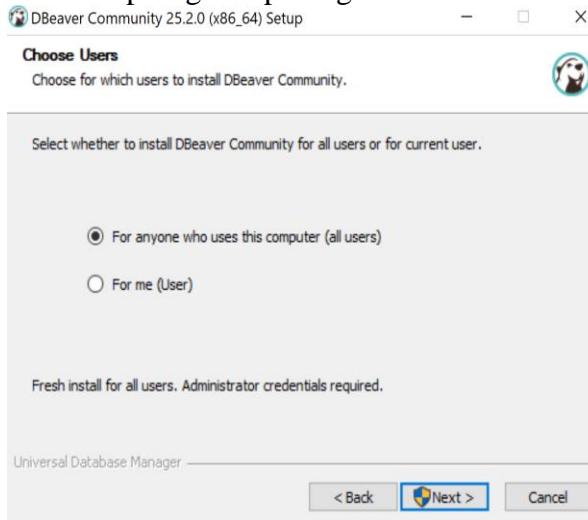
1. Download Dbeaver community version.



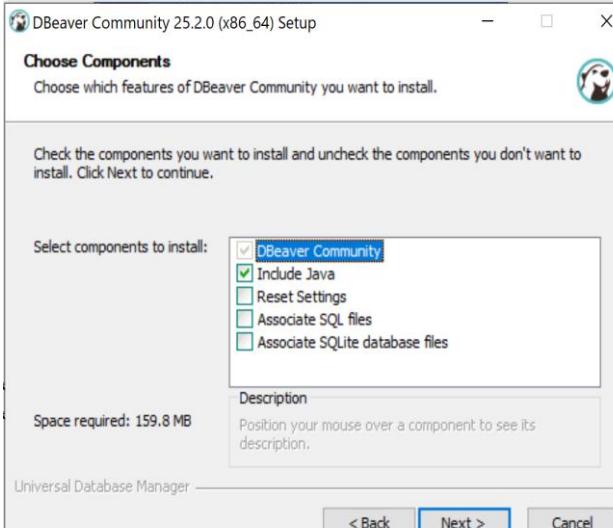
2. Jalankan installer Dbeaver



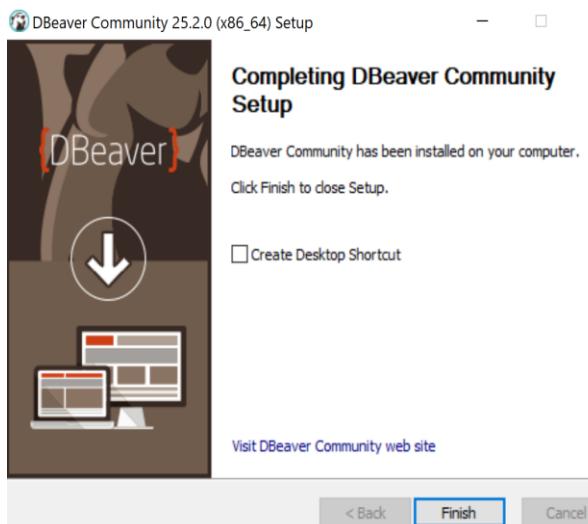
3. Pilih opsi agar dapat digunakan semua user



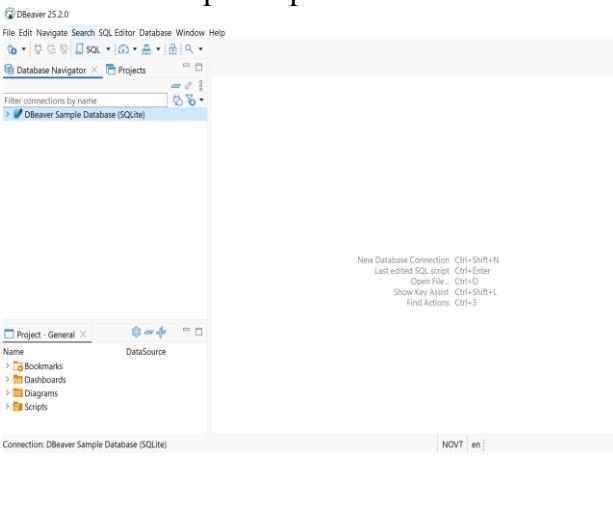
4. Centah 2 opsi teratas



5. Berhasil melakukan instalasi



6. Tampilan aplikasi Dbeaver



<h3>7. Creat dan connect</h3> <p>DBeaver 25.2.0</p> <p>File Edit Navigate Search SQL Editor Database Window Help</p> <p>Database Navi... Projects</p> <p>Create Open datasources F4 Connection Browse from here Tools Copy Ctrl+C Paste Ctrl+V Copy Advanced Info Ctrl+Shift+C Refresh F5</p>	<h3>8. Connect ke PostgreSQL</h3> <p>Select your database Create new database connection. Find your database driver in the list below.</p> <p>Type part of database/driver name to filter Sort by: Title Score</p> <p>All Popular SQL NoSQL Analytical Files Embedded Timeseries Hadoop / BigData Full-text search</p> <p>IBM DB2 DB2 for LUW MariaDB MySQL ORACLE PostgreSQL SQL Server SQLite Altibase Apache Drill MySQL Oracle PostgreSQL SQL Server SQLite Altibase Apache Drill MySQL Oracle</p> <p>Test Connection < Back Next > Finish Cancel</p>									
<h3>9. Download driver setelah test connection</h3> <p>Driver settings</p> <p>Download driver files Download PostgreSQL driver files</p> <p>PostgreSQL driver files are missing. Force download / overwrite</p> <p>Files required by driver</p> <table border="1"> <thead> <tr> <th>File</th> <th>Version</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>org.postgresql/postgresql-RELEASE</td> <td>42.7.2 (click to change)</td> <td>PostgreSQL JDBC Driver F...</td> </tr> <tr> <td>org.checkerframework/checker-qual:3.42.0</td> <td>3.42.0</td> <td>checker-qual contains an i...</td> </tr> </tbody> </table> <p>You can change driver version by clicking on version column. Then you can choose one of the available versions.</p> <p>Or you can obtain driver files by yourself and add them in driver editor.</p> <p>Vendor website Download</p> <p>Edit Driver Download Cancel</p>	File	Version	Description	org.postgresql/postgresql-RELEASE	42.7.2 (click to change)	PostgreSQL JDBC Driver F...	org.checkerframework/checker-qual:3.42.0	3.42.0	checker-qual contains an i...	<h3>10. Koneksi berhasil</h3> <p>Connection test</p> <p>Connected (209632 ms)</p> <p>Server: PostgreSQL 17.6 PostgreSQL 17.6 on x86_64-windows, compiled by msvc-19.44.35213, 64-bit</p> <p>Driver: Postre</p> <p>OK Details ></p>
File	Version	Description								
org.postgresql/postgresql-RELEASE	42.7.2 (click to change)	PostgreSQL JDBC Driver F...								
org.checkerframework/checker-qual:3.42.0	3.42.0	checker-qual contains an i...								

11. Tampilan jika kita aplikasi DBeaver berhasil terkoneksi dengan database PostgreSQL

DBeaver 25.2.0

File Edit Navigate Search SQL Editor Database Window Help

Database Navi... Projects

Filter connections by name

postgres 2 localhost:5432

- Databases
 - postgres

Schemas

- public
 - Tables
 - Foreign Tables
 - Views
 - Materialized Views
 - Indexes
 - Functions
 - Sequences
 - Data types
 - Aggregate functions
 - Event Triggers
 - Extensions

Project - General

Name

- Dashboards
- Diagrams
- Scripts

New Database Connection Ctrl+Shift+N
Last edited SQL script Ctrl+Enter
Open File... Ctrl+O
Show Key Assist Ctrl+Shift+L
Find Actions Ctrl+3