DOKUMENTASI

docker-compose.yml



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SAINS DATA

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Instalasi Docker

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SQLCONSOLE

PS C:\Users\rifat syarief> pip install docker
WARNING: Ignoring invalid distribution -ip (C:\Users\rifat syarief\AppData\Local\programs\Python\Python312\Lib\site-packages)
Requirement already satisfied: docker in::\users\rifat syarief\AppData\Local\programs\Python\Python312\Lib\site-packages (from docker) (306)
Requirement already satisfied: equiests>=2.66.0 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from docker) (2.32.2)
Requirement already satisfied: equiests>=2.66.0 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from docker) (2.2.1)
Requirement already satisfied: darset-normalizer<4.>=2 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from requests>=2.26.0->docker) (3.3.2)
Requirement already satisfied: darset-normalizer<4.>=2 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from requests>=2.26.0->docker) (3.3.2)
Requirement already satisfied: darset-normalizer<4.>=2 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from requests>=2.26.0->docker) (3.7)
Requirement already satisfied: darset-normalizer<4.>=2 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from requests>=2.26.0->docker) (3.7)
Requirement already satisfied: darset-normalizer<4.>=2 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from requests>=2.26.0->docker) (3.7)
Requirement already satisfied: darset-normalizer<4.>=2 in c:\users\rifat syarief\appdata\Local\programs\python\python312\Lib\site-packages (from requests>=2.26.0->docker) (3.7)
```

Extension:Docker



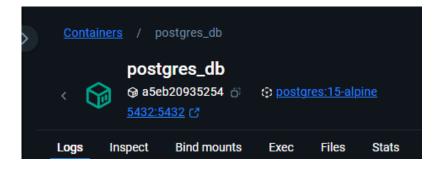
DOCKER.DESKTOP PERSONAL

Containers



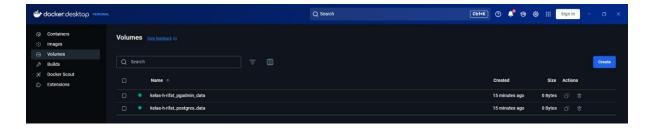
Details Containers



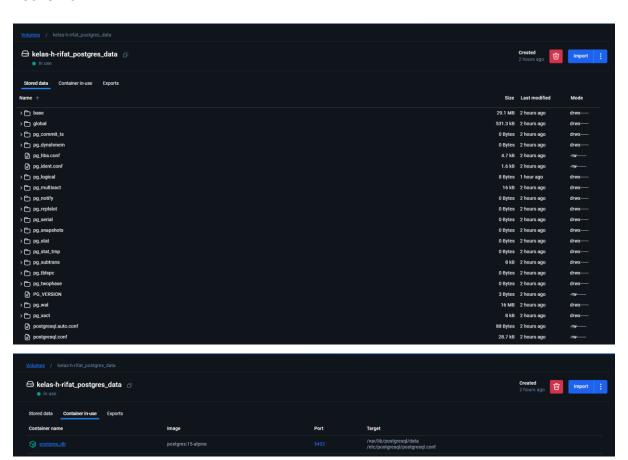


```
2024-12-14 11:00:20 2024-12-14 04:00:20.959 UTC [136] STATEMENT: CREATE TABLE users (
2024-12-14 11:00:20
                          id SERIAL PRIMARY KEY,
2024-12-14 11:00:20
                          name VARCHAR(100),
                          email VARCHAR(100),
2024-12-14 11:00:20
2024-12-14 11:00:20
                         kelas VARCHAR(100)
2024-12-14 11:00:20
2024-12-14 11:00:20
2024-12-14 11:00:20
                        INSERT INTO users (name, email, kelas) VALUES ('Rifat', 'rifat@mhs.unesa.ac.id','2023H');
2024-12-14 11:00:20
2024-12-14 11:00:20
                        SELECT * FROM users;
2024-12-14 11:00:20
2024-12-14 11:00:20
                        UPDATE users SET email = 'muhammadrifat.23053@mhs.unesa.ac.id' WHERE id = 1;
```

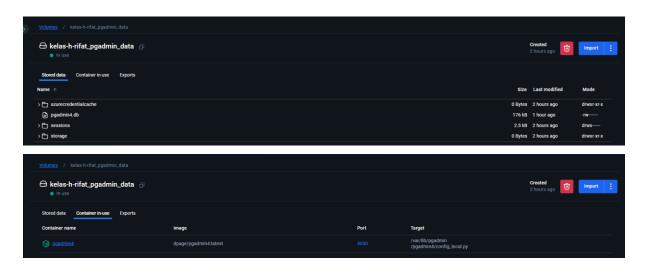
Volumes



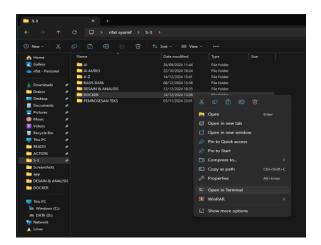
POSTGRES

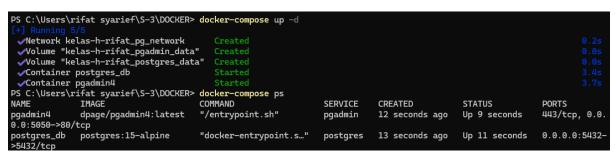


PGADMIN



COMMAND PROMPT





docker-compose up -d: Perintah ini digunakan untuk memulai layanan yang didefinisikan dalam file docker-compose.yml. Opsi -d (detached) menjalankan kontainer di latar belakang.

docker-compose ps: Perintah ini digunakan untuk melihat status kontainer yang terkait dengan layanan yang didefinisikan dalam file docker-compose.yml. Ini memberikan informasi tentang kontainer yang sedang berjalan.

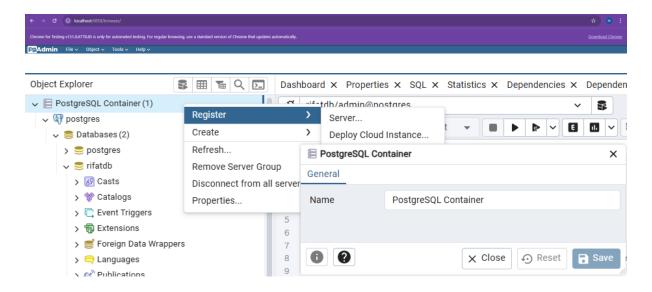
```
PS C:\Users\rifat syarief\S-3\DOCKER> docker exec -it postgres_db /bin/bash a5eb20935254:/# |
```

"docker exec -it postgres_db /bin/bash" digunakan untuk masuk ke dalam sebuah kontainer yang sedang berjalan dan mengakses shell interaktif di dalamnya. Setelah itu, akan masuk ke dalam kontainer PostgreSQL dan mendapatkan akses ke shell Bash di dalamnya. Shell prompt akan menjadi "a5eb20935254", di mana "a5eb20935254" adalah ID kontainer yang dihasilkan secara acak.

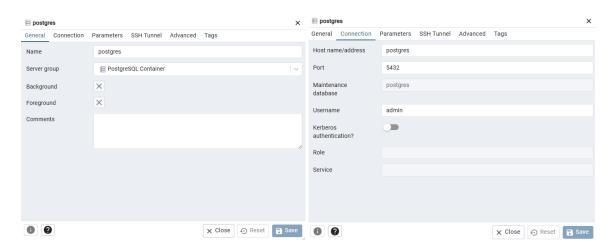
```
PS C:\Users\rifat syarief\S-3\DOCKER> docker exec -it postgres_db /bin/bash a5eb20935254:/# psql --version psql (PostgreSQL) 15.10 a5eb20935254:/# psql -U admin -d rifatdb psql (15.10)
Type "help" for help.
rifatdb=# \dt
```

WEB pgAdmin4 melalui http://localhost:5050

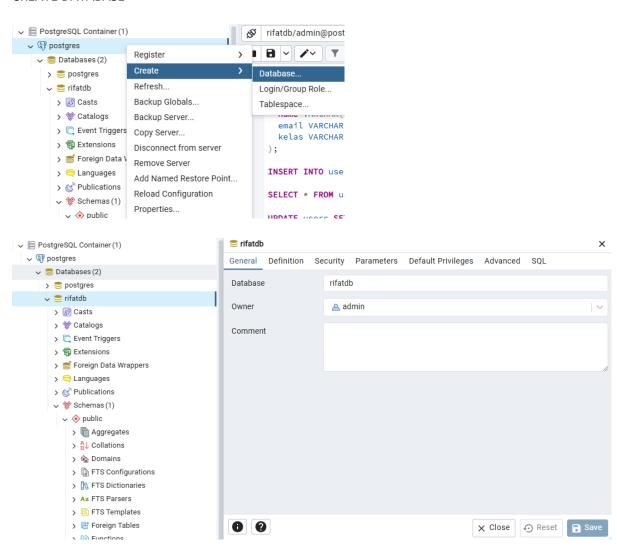
CREATE SERVER



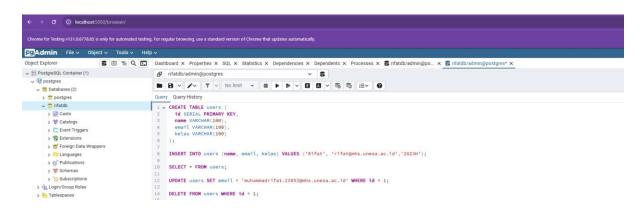
CREATE CONNECTION



CREATE DATABASE



SIMPLE QUERY



Data Output:

	id [PK] integer	name character varying (100)	email character varying (100)	kelas character varying (100)
1	2	Rifat	muhammadrifat.23053@mhs.unesa.ac.id	2023H