

LAPORAN AKHIR PRAKTIKUM

Mata Praktikum : SISTEM BASIS DATA 1
Kelas : 3IA11
Praktikum ke- : 7
Tanggal : 10/1/2025
Materi : SELF JOIN
NPM : 51422161
Nama : MUHAMMAD TARMIDZI BARIQ
Ketua Asisten : SEBASTIAN DWI
Jumlah Lembar : 3



LABORATORIUM TEKNIK INFORMATIKA
UNIVERSITAS GUNADARMA
2024

Berikan satu contoh kasus self join buat databse dan nama tabel secara bebas

Dashboard x Properties x SQL x Statistics x Dependencies x Dependents x Processes x

LA7_51422161/postgres@PostgreSQL 17

No limit

Query Query History

```
1 CREATE TABLE KARYAWAN (  
2     ID_KARYAWAN INT PRIMARY KEY NOT NULL,  
3     NAMA_KARYAWAN VARCHAR(255),  
4     LEVEL_JABATAN VARCHAR(255)  
5 );  
6  
7 INSERT INTO KARYAWAN VALUES(1, 'BARIQ', 'SEKERTARIS');  
8 INSERT INTO KARYAWAN VALUES(2, 'JAKI', 'MANAGER');  
9 INSERT INTO KARYAWAN VALUES(3, 'JAY', 'MANAGER');  
10 INSERT INTO KARYAWAN VALUES(4, 'ADI', 'SEKERTARIS');  
11  
12 SELECT * FROM KARYAWAN ;
```

Data Output Messages Notifications

	id_karyawan [PK] integer	nama_karyawan character varying (255)	level_jabatan character varying (255)
1	1	BARIQ	SEKERTARIS
2	2	JAKI	MANAGER
3	3	JAY	MANAGER
4	4	ADI	SEKERTARIS

Total rows: 4 of 4 Query complete 00:00:00.093 Ln 12, Col 1

Windows taskbar: Search, File Explorer, Microsoft Edge, etc.

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Servers (1)
 - PostgreSQL 17
 - Databases (7)
 - LA7_51422161
 - Cast
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 - bariq_51422161
 - postgres
 - test
 - Login/Group Roles
 - Tablespaces

Dashboard x Properties x SQL x Statistics x Dependencies x Dependents x Processes x M7_51422161

LA7_51422161/postgres@PostgreSQL 17

Query Query History

```

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2   ID_KARYAWAN INT PRIMARY KEY NOT NULL,
3   NAMA_KARYAWAN VARCHAR(255),
4   LEVEL_JABATAN VARCHAR(255)
5 );
6
7 INSERT INTO KARYAWAN VALUES(1,'BARIQ','SEKERTARIS');
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9 INSERT INTO KARYAWAN VALUES(3,'JAY','MANAGER');
10 INSERT INTO KARYAWAN VALUES(4,'ADI','SEKERTARIS');
11
12 SELECT * FROM KARYAWAN ;
13
14 SELECT DATA1.LEVEL_JABATAN AS LEVEL_JABATAN,
15        DATA1.NAMA_KARYAWAN AS KARYAWAN_1,
16        DATA2.NAMA_KARYAWAN AS KARYAWAN_2
17 FROM KARYAWAN DATA1
18 INNER JOIN KARYAWAN DATA2
19 ON DATA1.ID_KARYAWAN > DATA2.ID_KARYAWAN
20 AND DATA1.LEVEL_JABATAN = DATA2.LEVEL_JABATAN
21 ORDER BY DATA1.LEVEL_JABATAN;

```

Data Output Messages Notifications

	level_jabatan character varying (255)	karyawan_1 character varying (255)	karyawan_2 character varying (255)
1	MANAGER	JAY	JAKI
2	SEKERTARIS	ADI	BARIQ

Total rows: 2 of 2 Query complete 00:00:00.102 Ln 21, Col 30