

**LAPORAN PRAKTIKUM
SISTEM DAN TEKNOLOGI BASIS DATA**

(Dosen Pengampu : *Yati Nurhayati, S.Kom., M.Kom.*)



Disusun oleh :

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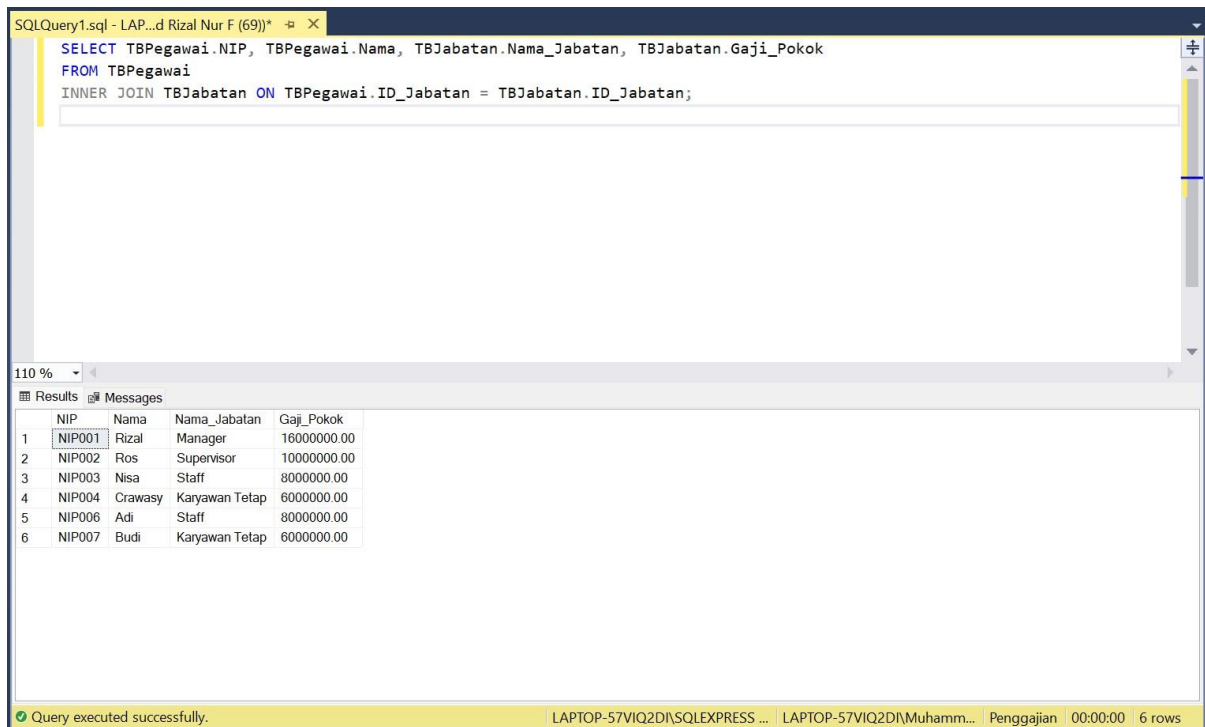
Kelas : TINFC-2023-04

**TEKNIK INFORMATIKA
FAKULTAS ILMU KOMPUTER
UNIVERSITAS KUNINGAN**

Pertanyaan dan Tugas

1. Buatlah masing-masing perintah join yang telah Anda praktekan dengan menggunakan database yang telah Anda buat pada tugas modul sebelumnya?

```
SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan, TBjabatan.Gaji_Pokok  
FROM TBpegawai  
INNER JOIN TBjabatan ON TBpegawai.ID_Jabatan = TBjabatan.ID_Jabatan;
```



SQLQuery1.sql - LAP...d Rizal Nur F (69))*

```
SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan, TBjabatan.Gaji_Pokok  
FROM TBpegawai  
INNER JOIN TBjabatan ON TBpegawai.ID_Jabatan = TBjabatan.ID_Jabatan;
```

110 %

Results Messages

	NIP	Nama	Nama_Jabatan	Gaji_Pokok
1	NIP001	Rizal	Manager	16000000.00
2	NIP002	Ros	Supervisor	10000000.00
3	NIP003	Nisa	Staff	8000000.00
4	NIP004	Crawasy	Karyawan Tetap	6000000.00
5	NIP006	Adi	Staff	8000000.00
6	NIP007	Budi	Karyawan Tetap	6000000.00

Query executed successfully. LAPTOP-57VIQ2D\SQLEXPRESS ... LAPTOP-57VIQ2D\Muhamm... Penggajian 00:00:00 6 rows

```
SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan,  
TBjabatan.Gaji_Pokok  
FROM TBpegawai  
LEFT JOIN TBjabatan ON TBpegawai.ID_Jabatan = TBjabatan.ID_Jabatan;
```

SQLQuery2.sql - LAP...d Rizal Nur F (65))* SQLQuery1.sql - LAP...d Rizal Nur F (69))*

```

SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan, TBjabatan.Gaji_Pokok
FROM TBpegawai
LEFT JOIN TBjabatan ON TBpegawai.ID_Jabatan = TBjabatan.ID_Jabatan;

```

110 %

Results Messages

	NIP	Nama	Nama_Jabatan	Gaji_Pokok
1	NIP001	Rizal	Manager	16000000.00
2	NIP002	Ros	Supervisor	10000000.00
3	NIP003	Nisa	Staff	8000000.00
4	NIP004	Crawasy	Karyawan Tetap	6000000.00
5	NIP006	Adi	Staff	8000000.00
6	NIP007	Budi	Karyawan Tetap	6000000.00

Query executed successfully. LAPTOP-57VIQ2DI\SQLEXPRESS ... LAPTOP-57VIQ2DI\Muhamm... Penggajian 00:00:00 6 rows

```

SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan,
TBjabatan.Gaji_Pokok

```

```

FROM TBpegawai

```

```

RIGHT JOIN TBjabatan ON TBpegawai.ID_Jabatan = TBjabatan.ID_Jabatan;

```

SQLQuery3.sql - LAP...d Rizal Nur F (77))* SQLQuery2.sql - LAP...d Rizal Nur F (65))* SQLQuery1.sql - LAP...d Rizal Nur F (69))*

```

SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan, TBjabatan.Gaji_Pokok
FROM TBpegawai
RIGHT JOIN TBjabatan ON TBpegawai.ID_Jabatan = TBjabatan.ID_Jabatan;

```

110 %

Results Messages

	NIP	Nama	Nama_Jabatan	Gaji_Pokok
1	NIP001	Rizal	Manager	16000000.00
2	NIP002	Ros	Supervisor	10000000.00
3	NIP003	Nisa	Staff	8000000.00
4	NIP006	Adi	Staff	8000000.00
5	NIP004	Crawasy	Karyawan Tetap	6000000.00
6	NIP007	Budi	Karyawan Tetap	6000000.00
7	NULL	NULL	Karyawan Kontrak	6000000.00

Query executed successfully. LAPTOP-57VIQ2DI\SQLEXPRESS ... LAPTOP-57VIQ2DI\Muhamm... Penggajian 00:00:00 7 rows

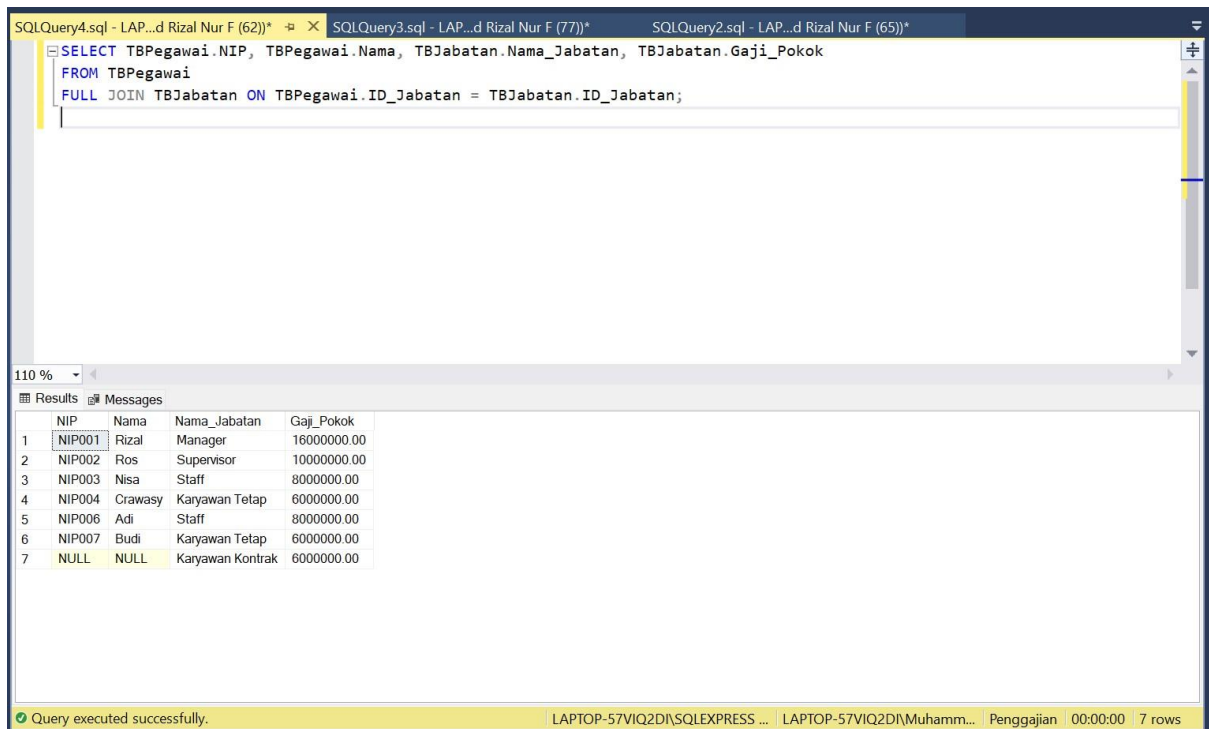
```

SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan,
TBjabatan.Gaji_Pokok

```

FROM TBPegawai

FULL JOIN TBJabatan ON TBPegawai.ID_Jabatan = TBJabatan.ID_Jabatan;



The screenshot shows a SQL Server Enterprise Manager window with three tabs: 'SQLQuery4.sql - LAP...d Rizal Nur F (62))', 'SQLQuery3.sql - LAP...d Rizal Nur F (77))', and 'SQLQuery2.sql - LAP...d Rizal Nur F (65))'. The active tab 'SQLQuery4.sql' contains the following SQL query:

```
SELECT TBPegawai.NIP, TBPegawai>Nama, TBJabatan>Nama_Jabatan, TBJabatan.Gaji_Pokok  
FROM TBPegawai  
FULL JOIN TBJabatan ON TBPegawai.ID_Jabatan = TBJabatan.ID_Jabatan;
```

Below the query editor, the 'Results' pane displays the output of the query. The results are shown in a table with 7 rows and 5 columns: NIP, Nama, Nama_Jabatan, and Gaji_Pokok. The first 6 rows represent valid employee and job data, while the 7th row shows NULL values for NIP and Nama, and 'Karyawan Kontrak' for Nama_Jabatan and Gaji_Pokok.

	NIP	Nama	Nama_Jabatan	Gaji_Pokok
1	NIP001	Rizal	Manager	16000000.00
2	NIP002	Ros	Supervisor	10000000.00
3	NIP003	Nisa	Staff	8000000.00
4	NIP004	Crawasy	Karyawan Tetap	6000000.00
5	NIP006	Adi	Staff	8000000.00
6	NIP007	Budi	Karyawan Tetap	6000000.00
7	NULL	NULL	Karyawan Kontrak	6000000.00

The status bar at the bottom indicates 'Query executed successfully.' and shows the file path 'LAPTOP-57VIQ2DI\SQL EXPRESS ...', the user 'LAPTOP-57VIQ2DI\Muhamm...', the session 'Penggajian', the time '00:00:00', and '7 rows'.

SELECT TBPegawai.NIP, TBPegawai>Nama, TBJabatan>Nama_Jabatan,
TBJabatan.Gaji_Pokok

FROM TBPegawai

CROSS JOIN TBJabatan;

SQLQuery5.sql - LAP...d Rizal Nur F (80))* SQLQuery4.sql - LAP...d Rizal Nur F (62))* SQLQuery3.sql - LAP...d Rizal Nur F (77))*

```

SELECT TBpegawai.NIP, TBpegawai>Nama, TBjabatan>Nama_Jabatan, TBjabatan.Gaji_Pokok
FROM TBpegawai
CROSS JOIN TBjabatan;

```

110 %

Results Messages

	NIP	Nama	Nama_Jabatan	Gaji_Pokok
1	NIP001	Rizal	Manager	16000000.00
2	NIP002	Ros	Manager	16000000.00
3	NIP003	Nisa	Manager	16000000.00
4	NIP004	Crawasy	Manager	16000000.00
5	NIP006	Adi	Manager	16000000.00
6	NIP007	Budi	Manager	16000000.00
7	NIP001	Rizal	Supervisor	10000000.00
8	NIP002	Ros	Supervisor	10000000.00
9	NIP003	Nisa	Supervisor	10000000.00
10	NIP004	Crawasy	Supervisor	10000000.00
11	NIP006	Adi	Supervisor	10000000.00
12	NIP007	Budi	Supervisor	10000000.00
13	NIP001	Rizal	Staff	8000000.00
14	NIP002	Ros	Staff	8000000.00
15	NIP003	Nisa	Staff	8000000.00
16	NIP004	Crawasy	Staff	8000000.00
17	NIP006	Adi	Staff	8000000.00
18	NIP007	Budi	Staff	8000000.00
19	NIP001	Rizal	Karyawan Tet...	6000000.00
20	NIP002	Ros	Karyawan Tet...	6000000.00
21	NIP003	Nisa	Karyawan Tet...	6000000.00
22	NIP004	Crawasy	Karyawan Tet...	6000000.00
23	NIP006	Adi	Karyawan Tet...	6000000.00
24	NIP007	Budi	Karyawan Tet...	6000000.00
25	NIP001	Rizal	Karyawan Ko...	6000000.00
26	NIP002	Ros	Karyawan Ko...	6000000.00

Query executed successfully. LAPTOP-57VIQ2D\SQLEXPRESS ... LAPTOP-57VIQ2D\Muhamm... Penggajian 00:00:00 30 rows

SELECT A.NIP AS NIP_A, A>Nama AS Nama_A, B.NIP AS NIP_B, B>Nama AS Nama_B,
A.ID_Jabatan

FROM TBpegawai A

INNER JOIN TBpegawai B ON A.ID_Jabatan = B.ID_Jabatan AND A.NIP <> B.NIP;

SQLQuery6.sql - LAP...d Rizal Nur F (59))* SQLQuery5.sql - LAP...d Rizal Nur F (80))* SQLQuery4.sql - LAP...d Rizal Nur F (62))*

```

SELECT A.NIP AS NIP_A, A>Nama AS Nama_A, B.NIP AS NIP_B, B>Nama AS Nama_B, A.ID_Jabatan
FROM TBpegawai A
INNER JOIN TBpegawai B ON A.ID_Jabatan = B.ID_Jabatan AND A.NIP <> B.NIP;

```

110 %

Results Messages

	NIP_A	Nama_A	NIP_B	Nama_B	ID_Jabatan
1	NIP003	Nisa	NIP006	Adi	003
2	NIP004	Crawasy	NIP007	Budi	004
3	NIP006	Adi	NIP003	Nisa	003
4	NIP007	Budi	NIP004	Crawasy	004

Query executed successfully. LAPTOP-57VIQ2D\SQLEXPRESS ... LAPTOP-57VIQ2D\Muhamm... Penggajian 00:00:00 4 rows

