

# **LAPORAN TUGAS**

## **MATA KULIAH PRAKTIKUM BASIS DATA**

Dosen Pengampu : Farid Angga Pribadi, S.Kom, M.Kom.

### **PERTEMUAN - 10**



**Nama : M. Zidna Billah Faza**  
**NIM : 2341760030**  
**Prodi : D-IV Sistem Informasi Bisnis**

**JURUSAN TEKNOLOGI INFORMASI**  
**POLITEKNIK NEGERI MALANG**

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### **Langkah 1**

```
mysql -u root -p
```

### **Langkah 2**

```
create database Data_Pegawai;
```

### **Langkah 3**

```
use Data_Pegawai;
```

### **Langkah 4**

```
create table golongan (  
golongan varchar (1) not null primary key,  
besar_gaji varchar(10) not null);
```

### **Langkah 5**

```
create table proyek (  
no_proyek varchar (10) not null primary key,  
nama_proyek varchar (10) not null,  
constraint no_proyek_format check (no_proyek like 'NP%'));
```

### **Langkah 6**

```
create table pegawai (  
no_pegawai varchar (10) not null primary key,  
nama_pegawai varchar (50) not null,  
golongan varchar (1) not null,  
constraint no_pegawai_format check (no_pegawai like 'Peg%'),  
foreign key (golongan) references golongan(golongan));
```

### **Langkah 7**

```
create table proyek_pegawai (  
no_proyek varchar (10) not null,  
no_pegawai varchar (10) not null,  
foreign key (no_proyek) references proyek(no_proyek),  
foreign key (no_pegawai) references pegawai(no_pegawai));
```

### **Langkah 8**

```
insert into golongan(golongan, besar_gaji)  
-> value  
-> ('A', '1.000.000'),  
-> ('B', '900.000'),  
-> ('C', '750.000');
```

## Langkah 9

```
insert into proyek(no_proyek, nama_proyek)
-> value
-> ('NP001', 'BRR'),
-> ('NP002', 'PEMDA');
```

## Langkah 10

```
insert into pegawai(no_pegawai, nama_pegawai, golongan)
-> value
-> ('Peg12', 'Sita', 'B'),
-> ('Peg14', 'Yusni', 'B');
```

## Langkah 11

```
insert into proyek_pegawai(no_proyek, no_pegawai)
-> value
-> ('NP001', 'Peg01'),
-> ('NP001', 'Peg02'),
-> ('NP001', 'Peg06'),
-> ('NP002', 'Peg12'),
-> ('NP002', 'Peg14');
```

## Hasil

```
+-----+
| Tables_in_data_pegawai |
+-----+
| golongan                |
| pegawai                 |
| proyek                  |
| proyek_pegawai          |
+-----+
4 rows in set (0.002 sec)
```

```
MariaDB [Data_Pegawai]> show columns from golongan;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| golongan   | varchar(1)    | NO   | PRI | NULL    |       |
| besar_gaji | varchar(10)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

```
MariaDB [Data_Pegawai]> show columns from pegawai;
```

| Field        | Type        | Null | Key | Default | Extra |
|--------------|-------------|------|-----|---------|-------|
| no_pegawai   | varchar(10) | NO   | PRI | NULL    |       |
| nama_pegawai | varchar(50) | NO   |     | NULL    |       |
| golongan     | varchar(1)  | NO   | MUL | NULL    |       |

```
MariaDB [Data_Pegawai]> show columns from proyek;
```

| Field       | Type        | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| no_proyek   | varchar(10) | NO   | PRI | NULL    |       |
| nama_proyek | varchar(10) | NO   |     | NULL    |       |

```
MariaDB [Data_Pegawai]> show columns from proyek_pegawai;
```

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| no_proyek  | varchar(10) | NO   | MUL | NULL    |       |
| no_pegawai | varchar(10) | NO   | MUL | NULL    |       |

```
MariaDB [Data_Pegawai]> select * from golongan;
```

| golongan | besar_gaji |
|----------|------------|
| A        | 1.000.000  |
| B        | 900.000    |
| C        | 750.000    |

```
MariaDB [Data_Pegawai]> select * from pegawai;
```

| no_pegawai | nama_pegawai | golongan |
|------------|--------------|----------|
| Peg01      | Anton        | A        |
| Peg02      | Paula        | B        |
| Peg06      | Koko         | C        |
| Peg12      | Sita         | B        |
| Peg14      | Yusni        | B        |

```
MariaDB [Data_Pegawai]> select * from proyek;
```

| no_proyek | nama_proyek |
|-----------|-------------|
| NP001     | BRR         |
| NP002     | PEMDA       |

```
MariaDB [Data_Pegawai]> select * from proyek_pegawai;
```

| no_proyek | no_pegawai |
|-----------|------------|
| NP001     | Peg01      |
| NP001     | Peg02      |
| NP001     | Peg06      |
| NP002     | Peg12      |
| NP002     | Peg14      |

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