

Tugas Konsli

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Kelas / Absen : XI RPL 2 / 14

Studi Kasus SELECT :

1. Klien ingin melihat nama surat dengan id_surat = srt3

```
mysql> select nama_srt, id_surat from surat;
+-----+-----+
| nama_srt | id_surat |
+-----+-----+
| undangan | srt1     |
| perjanjian | srt2     |
| pinjaman  | srt3     |
| penangkapan | srt4     |
| utang     | srt5     |
+-----+-----+
5 rows in set (0.00 sec)
```

2. Klien ingin melihat nama desa dengan id_srt_mhn = srt_mhn4

```
mysql> select * from srt_permohonan;
+-----+-----+-----+
| id_srt_mhn | nik  | id_desa |
+-----+-----+-----+
| srt_mhn1   | 1945 | desa3   |
| srt_mhn2   | 9282 | desa4   |
| srt_mhn3   | 8283 | desa5   |
| srt_mhn4   | 8301 | desa1   |
| srt_mhn5   | 3578 | desa2   |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> select * from desa;
+-----+-----+
| id_desa | nama_desa |
+-----+-----+
| desa1   | Bojonegoro |
| desa2   | Siliwangi  |
| desa3   | Anjur      |
| desa4   | Burnhe     |
| desa5   | Langkap    |
+-----+-----+
5 rows in set (0.00 sec)
```

Studi Kasus UPDATE :

1. Klien ingin mengubah nama surat dengan id_surat = srt5

```
mysql> update surat
    -> set nama_srt = 'pelunasan'
    -> where id_surat = 'srt5';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from surat;
+-----+-----+-----+
| id_surat | nama_srt      | id_srt_mhn |
+-----+-----+-----+
| srt1     | undangan     | srt_mhn2   |
| srt2     | perjanjian    | srt_mhn3   |
| srt3     | pinjaman     | srt_mhn4   |
| srt4     | penangkapan  | srt_mhn5   |
| srt5     | pelunasan     | srt_mhn1   |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

2. Klien ingin mengubah RT dan RW dengan nik = 8283

```
mysql> update penduduk
-> set rt = '07',
-> rw = '16'
-> where nik = '8283';

Query OK, 1 row affected (0.00 sec)

Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from penduduk;
```

nama	thn_lhr	rt	rw	kecamatan	id_desa	agama	alamat	nik
fiko	2007	02	12	simomulyo	desa2	kristen	jl. baru	1945
shofian	2007	01	11	wonokromo	desa1	islam	jl. pisang	3578
firza	2008	07	16	semolo	desa5	konghucu	jl. durian	8283
hafiz	2007	05	15	waru	desa4	katolik	jl. rambutan	8301
ayaka	2007	03	13	dukuh	desa3	hindu	jl. pakis	9282

```
5 rows in set (0.00 sec)
```

3. Terdapat kesalahan input pada kolom agama dengan nama = shofian yang semula islam menjadi buddha.

```
mysql> update penduduk
-> set agama = 'buddha'
-> where nama = 'shofian';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from penduduk;
```

nama	thn_lhr	rt	rw	kecamatan	id_desa	agama	alamat	nik
fiko	2007	02	12	simomulyo	desa2	kristen	jl. baru	1945
shofian	2007	01	11	wonokromo	desa1	buddha	jl. pisang	3578
firza	2008	07	16	semolo	desa5	konghucu	jl. durian	8283
hafiz	2007	05	15	waru	desa4	katolik	jl. rambutan	8301
nayaka	2007	03	13	dukuh	desa3	hindu	jl. pakis	9282

```
5 rows in set (0.00 sec)
```

Studi Kasus ORDER BY :

Mengurutkan data dari yang terbesar hingga terkecil.

```
mysql> select * from srt_permohonan
-> order by id_desa desc;
```

id_srt_mhn	nik	id_desa
srt_mhn3	8283	desa5
srt_mhn2	9282	desa4
srt_mhn1	1945	desa3
srt_mhn5	3578	desa2
srt_mhn4	8301	desa1

```
5 rows in set (0.00 sec)
```

Studi Kasus LIMIT :

Menampilkan 2 kolom saja pada tabel Penduduk.

```
mysql> select * from penduduk limit 2;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| nama   | thn_lhr | rt  | rw  | kecamatan | id_desa | agama  | alamat  | nik  |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| fiko   | 2007   | 02  | 12  | simomulyo | desa2   | kristen | jl. baru | 1945 |
| shofian | 2007   | 01  | 11  | wonokromo | desa1   | buddha  | jl. pisang | 3578 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Studi Kasus DISTINCT :

Mengelompokkan penyakit yang dialami pasien, dan menghilangkan data yang memiliki duplikat.

```
mysql> select nama, agama from penduduk;
+-----+-----+
| nama   | agama  |
+-----+-----+
| fiko   | kristen |
| shofian | islam  |
| firza  | islam  |
| hafiz  | islam  |
| nayaka | hindu  |
+-----+-----+
5 rows in set (0.00 sec)

mysql> select distinct agama
-> from penduduk;
+-----+
| agama  |
+-----+
| kristen |
| islam  |
| hindu   |
+-----+
3 rows in set (0.00 sec)
```

Studi Kasus ALIAS :

```
mysql> select id_surat as 'ID_SURAT',  
-> nama_srt as "NAMA_SURAT",  
-> id_srt_mhn as 'ID_SURAT_MOHON'  
-> from surat;
```

ID_SURAT	NAMA_SURAT	ID_SURAT_MOHON
srt1	undangan	srt_mhn2
srt2	perjanjian	srt_mhn3
srt3	pinjaman	srt_mhn4
srt4	penangkapan	srt_mhn5
srt5	pelunasan	srt_mhn1

5 rows in set (0.00 sec)