

FUNDAMENTAL DBMS
ACTIVITY PERTEMUAN 4
(MySQL SELECT I)
LEMBAR JAWABAN

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1. Buatlah sebuah table dengan nama “pasien” dan field sebagai berikut : (10 point)

```
MariaDB [(none)]> use rs_50421119;
Database changed
MariaDB [rs_50421119]> CREATE TABLE pasien_50421119 (No_pasien Varchar(15) NOT NULL PRIMARY KEY,
-> Nama VARCHAR(15),
-> No_kamar VARCHAR(20),
-> Usia VARCHAR(12),
-> Tgl_lahir VARCHAR(12));
Query OK, 0 rows affected (0.054 sec)

MariaDB [rs_50421119]> desc pasien_50421119;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_pasien  | varchar(15)   | NO   | PRI | NULL    |       |
| Nama       | varchar(15)   | YES  |     | NULL    |       |
| No_kamar   | varchar(20)   | YES  |     | NULL    |       |
| Usia      | varchar(12)   | YES  |     | NULL    |       |
| Tgl_lahir  | varchar(12)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.065 sec)
```

2. Ubah tipe data “tgl_lahir” dari varchar menjadi date. (10 point)

```
MariaDB [rs_50421119]> ALTER TABLE pasien_50421119 MODIFY COLUMN Tgl_lahir DATE;
Query OK, 0 rows affected (0.017 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [rs_50421119]> desc pasien_50421119;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_pasien  | varchar(15)   | NO   | PRI | NULL    |       |
| Nama       | varchar(15)   | YES  |     | NULL    |       |
| No_kamar   | varchar(20)   | YES  |     | NULL    |       |
| Usia      | varchar(12)   | YES  |     | NULL    |       |
| Tgl_lahir  | date          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.019 sec)
```

3. Hapus primary key pada no_pasien. (10 point)

```
MariaDB [rs_50421119]> ALTER TABLE pasien_50421119 DROP PRIMARY KEY;
Query OK, 0 rows affected (0.326 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [rs_50421119]> desc pasien_50421119;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_pasien  | varchar(15)   | NO   |     | NULL    |       |
| Nama       | varchar(15)   | YES  |     | NULL    |       |
| No_kamar   | varchar(20)   | YES  |     | NULL    |       |
| Usia      | varchar(12)   | YES  |     | NULL    |       |
| Tgl_lahir  | date          | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.027 sec)
```

4. Tambahkan record pada tabel pasien sebagai berikut : (10 point)

```
MariaDB [rs_50421119]> INSERT INTO PASIEN_50421119 VALUES ('123','Ridho',
-> ('125','Sania','13','21','1991-01-13'),
-> ('126','Zaki','12','20','1991-01-14'),
-> ('127','Mulyadi','12','19','1991-01-16'),
-> ('128','Ruth','15','20','1991-01-17');
Query OK, 5 rows affected (0.003 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [rs_50421119]> SELECT * FROM pasien_50421119;
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 125       | Sania     | 13       | 21   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 123       | Ridho     | 12       | 20   | 1992-01-12 |
| 125       | Sania     | 13       | 21   | 1991-01-13 |
| 126       | Zaki      | 12       | 20   | 1991-01-14 |
| 127       | Mulyadi   | 12       | 19   | 1991-01-16 |
| 128       | Ruth      | 15       | 20   | 1991-01-17 |
+-----+-----+-----+-----+-----+
10 rows in set (0.001 sec)
```

5. Tampilkan seluruh record yang memiliki no_kamar 12 atau 15. (10 point)

```
MariaDB [rs_50421119]> SELECT * from pasien_50421119 WHERE No_kamar = '12' OR No_kamar = '15';
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 123       | Ridho     | 12       | 20   | 1992-01-12 |
| 126       | Zaki      | 12       | 20   | 1991-01-14 |
| 127       | Mulyadi   | 12       | 19   | 1991-01-16 |
| 128       | Ruth      | 15       | 20   | 1991-01-17 |
+-----+-----+-----+-----+-----+
8 rows in set (0.011 sec)
```

6. Tambahkan record baru dengan isi record sebagai berikut : (10 point)

```
MariaDB [rs_50421119]> INSERT INTO pasien_50421119 VALUES ('129','Rian','15','17','1993-18-10');
Query OK, 1 row affected, 1 warning (0.010 sec)

MariaDB [rs_50421119]> SELECT * FROM pasien_50421119;
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 125       | Sania     | 13       | 21   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 123       | Ridho     | 12       | 20   | 1992-01-12 |
| 125       | Sania     | 13       | 21   | 1991-01-13 |
| 126       | Zaki      | 12       | 20   | 1991-01-14 |
| 127       | Mulyadi   | 12       | 19   | 1991-01-16 |
| 128       | Ruth      | 15       | 20   | 1991-01-17 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
+-----+-----+-----+-----+-----+
13 rows in set (0.000 sec)
```

7. Tampilkan record No_pasien, Nama, dan No_kamar yang memiliki nama berakhiran huruf “i”. (10 point)

```
MariaDB [rs_50421119]> SELECT No_pasien, Nama, Usia FROM pasien_50421119 WHERE Nama LIKE '%i';
+-----+-----+-----+
| No_pasien | Nama      | Usia |
+-----+-----+-----+
| 126       | Zaki      | 20   |
| 127       | Mulyadi   | 19   |
| 126       | Zaki      | 20   |
| 127       | Mulyadi   | 19   |
+-----+-----+-----+
4 rows in set (0.008 sec)
```

8. Tampilkan record No_pasien, Nama, dan usia yang memiliki nama dengan mengandung huruf “u”. (10 point)

```
MariaDB [rs_50421119]> SELECT No_pasien, Nama, Usia FROM pasien_50421119 WHERE Nama LIKE '%u%';
+-----+-----+-----+
| No_pasien | Nama      | Usia |
+-----+-----+-----+
| 127       | Mulyadi   | 19   |
| 128       | Ruth      | 20   |
| 127       | Mulyadi   | 19   |
| 128       | Ruth      | 20   |
+-----+-----+-----+
4 rows in set (0.001 sec)
```

9. Tampilkan seluruh record tabel pasien dimana umur lebih kecil atau sama dengan 20. (10 point)

```
MariaDB [rs_50421119]> SELECT * from pasien_50421119 WHERE Umur <= '20';
ERROR 1054 (42S22): Unknown column 'Umur' in 'where clause'
MariaDB [rs_50421119]> SELECT * from pasien_50421119 WHERE Usia <= '20';
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 128       | Ruth      | 15       | 20   | 0000-00-00 |
| 123       | Ridho     | 12       | 20   | 1992-01-12 |
| 126       | Zaki      | 12       | 20   | 1991-01-14 |
| 127       | Mulyadi   | 12       | 19   | 1991-01-16 |
| 128       | Ruth      | 15       | 20   | 1991-01-17 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
+-----+-----+-----+-----+-----+
11 rows in set (0.004 sec)
```

10. Tampilkan seluruh record tetapi tidak memiliki nama Ruth. (10 point)

```
MariaDB [rs_50421119]> SELECT * from pasien_50421119 WHERE NOT Nama='Ruth';
+-----+-----+-----+-----+-----+
| No_pasien | Nama      | No_kamar | Usia | Tgl_lahir |
+-----+-----+-----+-----+-----+
| 123       | Ridho     | 12       | 20   | 0000-00-00 |
| 125       | Sania     | 13       | 21   | 0000-00-00 |
| 126       | Zaki      | 12       | 20   | 0000-00-00 |
| 127       | Mulyadi   | 12       | 19   | 0000-00-00 |
| 123       | Ridho     | 12       | 20   | 1992-01-12 |
| 125       | Sania     | 13       | 21   | 1991-01-13 |
| 126       | Zaki      | 12       | 20   | 1991-01-14 |
| 127       | Mulyadi   | 12       | 19   | 1991-01-16 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
| 129       | Rian      | 15       | 17   | 0000-00-00 |
+-----+-----+-----+-----+-----+
11 rows in set (0.002 sec)
```