

Mata Kuliah : Pengembangan Aplikasi Web
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Kelas : IF 3D

Laporan Output Pertemuan 5

```
CREATE DATABASE pertemuan_5
```

```
CREATE TABLE tbl_mhs(  
  id_mhs INT,  
  id_prodi INT,  
  nama_mhs VARCHAR(40),  
  alamat_mhs VARCHAR(100)  
)
```

```
CREATE TABLE tbl_prodi(  
  id_prodi INT,  
  nama_prodi VARCHAR(40),  
  status_prodi VARCHAR(20)  
)
```

```
INSERT INTO tbl_prodi  
VALUES(1,"Teknik Informatika", "aktif"),  
(2, "Sistem Informasi", "non aktif"),  
(3, "Teknik Industri", "aktif"),  
(4, "Teknik Mesin", "non aktif"),  
(5, "Teknik Elektro", "aktif")
```

```
SELECT * FROM tbl_prodi
```

HeidiSQL Portable 11.3.0.6295

Host: 127.0.0.1 Database: pertemuan_5 Tabel: tbl_prodi

1 SELECT * FROM tbl_prodi

id_prodi	nama_prodi	status_prodi
1	Teknik Informatika	aktif
2	Sistem Informasi	non aktif
3	Teknik Industri	aktif
4	Teknik Mesin	non aktif
5	Teknik Elektro	aktif

83 SHOW CREATE TABLE `pertemuan_5`.`tbl_prodi`;
84 SELECT CONSTRAINT_NAME, CHECK_CLAUSE FROM `information_schema`.`CHECK_CONSTRAINTS` WHERE CONSTRAINT_SCHEMA='pertemuan_5' AND TABLE_NAME='tbl_prodi';
85 SELECT * FROM `pertemuan_5`.`tbl_prodi` LIMIT 1000;
86 SELECT * FROM tbl_prodi;
87 /* Affected rows: 0 Baris ditemukan: 5 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */

r1: c24 (23 B) MariaDB 10.4.24 Uptime: 00:21 h Server time: 19:55 Siaga.

```
INSERT INTO tbl_mhs  
VALUES (1,1,"Rizki","Tuban"),  
(2,1,"Ahmad","Bangkalan"),  
(3,2,"Hilmi","Boojonegoro"),  
(4,3,"Ardian","Sidoarjo"),  
(5,4,"Irfan","Lamongan"),  
(6,5,"Sania","Surabaya")
```

SELECT * FROM tbl_mhs

The screenshot shows the HeidiSQL interface with the following details:

- Query Window:** Contains the SQL query `SELECT * FROM tbl_mhs`.
- Table View:** Displays the results of the query in a table with 4 columns: `id_mhs`, `id_prodi`, `nama_mhs`, and `alamat_mhs`. The results are as follows:

id_mhs	id_prodi	nama_mhs	alamat_mhs
1	1	Rizki	Tuban
2	1	Ahmad	Bangkalan
3	2	Hilmi	Bojonegoro
4	3	Ardian	Sidoarjo
5	4	Irfan	Lamongan
6	5	Sania	Surabaya
- SQL Log:** Shows the execution of the query and the insertion of data into the `tbl_mhs` table. The log includes the following SQL statements:

```
93 SELECT CONSTRAINT_NAME, CHECK_CLAUSE FROM `information_schema`.CHECK_CONSTRAINTS WHERE CONSTRAINT_SCHEMA='pertemuan_5' AND TABLE_NAME='tbl_mhs';
94 INSERT INTO tbl_mhs VALUES (1,1,'Rizki','Tuban'), (2,1,'Ahmad','Bangkalan'), (3,2,'Hilmi','Bojonegoro'), (4,3,'Ardian','Sidoarjo'), (5,4,'Irfan','Lamongan'), (6,5,'Sania','Surabaya');
95 /* Affected rows: 6 Baris ditemukan: 0 Peringatan: 0 Durasi untuk 1 permintaan: 0,016 sec. */
96 SELECT * FROM tbl_mhs;
97 /* Affected rows: 0 Baris ditemukan: 6 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */
```
- Database Structure:** The left sidebar shows the database structure, including the `tbl_mhs` table.
- Status Bar:** Displays the connection status, server time, and uptime.

SELECT * FROM tbl_mhs WHERE alamat_mhs="Tuban"

The screenshot shows the HeidiSQL interface with the following details:

- Query Window:** Contains the SQL query `SELECT * FROM tbl_mhs WHERE alamat_mhs="Tuban"`.
- Table View:** Displays the results of the query in a table with 4 columns: `id_mhs`, `id_prodi`, `nama_mhs`, and `alamat_mhs`. The results are as follows:

id_mhs	id_prodi	nama_mhs	alamat_mhs
1	1	Rizki	Tuban
- SQL Log:** Shows the execution of the query and the insertion of data into the `tbl_mhs` table. The log includes the following SQL statements:

```
95 /* Affected rows: 6 Baris ditemukan: 0 Peringatan: 0 Durasi untuk 1 permintaan: 0,016 sec. */
96 SELECT * FROM tbl_mhs;
97 /* Affected rows: 0 Baris ditemukan: 6 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */
98 SELECT * FROM tbl_mhs WHERE alamat_mhs="Tuban";
99 /* Affected rows: 0 Baris ditemukan: 1 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */
```
- Database Structure:** The left sidebar shows the database structure, including the `tbl_mhs` table.
- Status Bar:** Displays the connection status, server time, and uptime.

```
SELECT * FROM tbl_mhs WHERE id_prodi=1
```

The screenshot shows the HeidiSQL interface with the query results for the table `tbl_mhs` where `id_prodi=1`. The results are displayed in a table with 4 columns: `id_mhs`, `id_prodi`, `nama_mhs`, and `alamat_mhs`. The data shows two rows for `id_prodi=1`.

id_mhs	id_prodi	nama_mhs	alamat_mhs
1	1	Riki	Tuban
2	1	Ahmad	Bangkalan

The bottom status bar shows the query execution details: 101 /* Affected rows: 0 Baris ditemukan: 2 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */

```
SELECT * FROM tbl_mhs ORDER BY nama_mhs
```

The screenshot shows the HeidiSQL interface with the query results for the table `tbl_mhs` ordered by `nama_mhs`. The results are displayed in a table with 4 columns: `id_mhs`, `id_prodi`, `nama_mhs`, and `alamat_mhs`. The data shows six rows, sorted alphabetically by name.

id_mhs	id_prodi	nama_mhs	alamat_mhs
2	1	Ahmad	Bangkalan
4	3	Ardian	Sidoarjo
3	2	Hilmi	Bojonegoro
5	4	Irfan	Lamongan
1	1	Riki	Tuban
6	5	Sania	Surabaya

The bottom status bar shows the query execution details: 101 /* Affected rows: 0 Baris ditemukan: 2 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */

```
SELECT * FROM tbl_mhs ORDER BY alamat_mhs DESC
```

The screenshot shows the HeidiSQL interface with the following details:

- Query Editor:** Contains the query `SELECT * FROM tbl_mhs ORDER BY alamat_mhs DESC`.
- Results Panel:** Displays the results of the query in a table with 4 columns: `id_mhs`, `id_prodi`, `nama_mhs`, and `alamat_mhs`. The results are ordered by `alamat_mhs` in descending order.
- Database Structure:** The left sidebar shows the database structure, including the `tbl_mhs` table.
- Status Bar:** Shows the server time as 20:17 and the server name as MariaDB 10.4.24.

id_mhs	id_prodi	nama_mhs	alamat_mhs
1	1	Rizki	Tuban
6	5	Sania	Surabaya
4	3	Ardian	Sidoarjo
5	4	Irfan	Lamongan
3	2	Hilmi	Bojonegoro
2	1	Ahmad	Bangkalan

```
SELECT nama_mhs, alamat_mhs  
FROM tbl_mhs  
WHERE id_prodi=1
```

The screenshot shows the HeidiSQL interface with the following details:

- Query Editor:** Contains the query `SELECT nama_mhs, alamat_mhs FROM tbl_mhs WHERE id_prodi=1`.
- Results Panel:** Displays the results of the query in a table with 2 columns: `nama_mhs` and `alamat_mhs`. The results are filtered by `id_prodi=1`.
- Database Structure:** The left sidebar shows the database structure, including the `tbl_mhs` table.
- Status Bar:** Shows the server time as 20:18 and the server name as MariaDB 10.4.24.

nama_mhs	alamat_mhs
Rizki	Tuban
Ahmad	Bangkalan

```
SELECT *
FROM tbl_prodi
WHERE status_prodi="aktif"
```

The screenshot shows the HeidiSQL interface with the first SQL query executed. The query is: `SELECT * FROM tbl_prodi WHERE status_prodi="aktif"`. The results are displayed in a table with 3 rows and 3 columns: `tbl_prodi (3r x 3c)`.

id_prodi	nama_prodi	status_prodi
1	Teknik Informatika	aktif
3	Teknik Industri	aktif
5	Teknik Elektro	aktif

The bottom status bar shows the server time as 20:19 on 25/09/2022.

```
SELECT *
FROM tbl_mhs, tbl_prodi
WHERE tbl_mhs.id_prodi=tbl_prodi.id_prodi
```

The screenshot shows the HeidiSQL interface with the second SQL query executed. The query is: `SELECT * FROM tbl_mhs, tbl_prodi WHERE tbl_mhs.id_prodi=tbl_prodi.id_prodi`. The results are displayed in a table with 6 rows and 6 columns: `Hasil #1 (6r x 7c)`.

id_mhs	id_prodi	nama_mhs	alamat_mhs	id_prodi	nama_prodi	status_prodi
1	1	Rizki	Tuban	1	Teknik Informatika	aktif
2	1	Ahmad	Bangkalan	1	Teknik Informatika	aktif
3	2	Hilmi	Bojonegoro	2	Sistem Informasi	non aktif
4	3	Ardian	Sidoarjo	3	Teknik Industri	aktif
5	4	Irfan	Lamongan	4	Teknik Mesin	non aktif
6	5	Sania	Surabaya	5	Teknik Elektro	aktif

The bottom status bar shows the server time as 20:39 on 25/09/2022.

```
SELECT m.nama_mhs, p.nama_prodi
FROM tbl_mhs m, tbl_prodi p
WHERE m.id_prodi=p.id_prodi
```

The screenshot shows the HeidiSQL interface with the following details:

- SQL Query:**

```
1 SELECT m.nama_mhs, p.nama_prodi
2 FROM tbl_mhs m, tbl_prodi p
3 WHERE m.id_prodi=p.id_prodi
```
- Table Structure:** The result is displayed as a table with 2 columns: `nama_mhs` and `nama_prodi`.
- Data Rows:**

nama_mhs	nama_prodi
Rizki	Teknik Informatika
Ahmad	Teknik Informatika
Hilmi	Sistem Informasi
Ardian	Teknik Industri
Irfan	Teknik Mesin
Sania	Teknik Elektro
- Status Bar:** Shows "r3: c28 (89 B)", "Terkoneksi 00:58 h", "MariaDB 10.4.24", and "Uptime: 01:08 h".

```
SELECT m.nama_mhs, m.alamat_mhs, p.nama_prodi
FROM tbl_mhs m, tbl_prodi p
WHERE m.id_prodi=p.id_prodi AND p.nama_prodi="Teknik Informatika"
AND m.alamat_mhs="Tuban"
```

The screenshot shows the HeidiSQL interface with the following details:

- SQL Query:**

```
1 SELECT m.nama_mhs, m.alamat_mhs, p.nama_prodi
2 FROM tbl_mhs m, tbl_prodi p
3 WHERE m.id_prodi=p.id_prodi AND p.nama_prodi="Teknik Informatika"
4 AND m.alamat_mhs="Tuban"
```
- Table Structure:** The result is displayed as a table with 3 columns: `nama_mhs`, `alamat_mhs`, and `nama_prodi`.
- Data Rows:**

nama_mhs	alamat_mhs	nama_prodi
Rizki	Tuban	Teknik Informatika
- Status Bar:** Shows "r4: c25 (167 B)", "Terkoneksi 01:02 h", "MariaDB 10.4.24", and "Uptime: 01:11 h".

```
SELECT *  
FROM tbl_prodi  
WHERE nama_prodi LIKE "Teknik%"
```

rizki\pertemuan_5(tbl_mhs) - HeidiSQL Portable 11.3.0.6295

Berkas Sunting Cari Permintaan Perkalas Go to Bantuan

Host: 127.0.0.1 Database: pertemuan_5 Tabel: tbl_mhs Data Permintaan* Permintaan #2* X Permintaan #3* X Permintaan #4* X Permintaan #5* X

rizki

- current_db
- catering
- database_sehatkuy
- information_sch...
- mysql
- performance_sc...
- pertemuan_4
- pertemuan_5 32.0 KB
 - tbl_mhs 16.0 KB
 - tbl_prodi 16.0 KB
- phpdasar
- phpmyadmin
- project
- rizki
- test

tbl_prodi (4x 3c)

id_prodi	nama_prodi	status_prodi
1	Teknik Informatika	aktif
3	Teknik Industri	aktif
4	Teknik Mesin	non aktif
5	Teknik Elektro	aktif

X Saring Regex cui

```
153 /* Affected rows: 0 Baris ditemukan: 0 Peringatan: 0 Durasi untuk 0 of 1 permintaan: 0,000 sec. */  
154 SELECT * FROM tbl_prodi;  
155 /* Affected rows: 0 Baris ditemukan: 5 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */  
156 SELECT * FROM tbl_prodi WHERE nama_prodi LIKE "Teknik%";  
157 /* Affected rows: 0 Baris ditemukan: 4 Peringatan: 0 Durasi untuk 1 permintaan: 0,000 sec. */
```

Server time: 20:53 Siaga.

20:53 25/09/2022