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## MODUL 4

### Percobaan 1

The screenshot shows the phpMyAdmin interface on a Windows desktop. The browser address bar shows 'localhost / 127.0.0.1 | phpMyAdmin'. The left sidebar lists databases: New, informatika, information\_schema, mysql, perbankan, performance\_schema, perkuliahan, phpmyadmin, and test. The main query box displays the SQL command 'CREATE DATABASE Informatika' with a success message: 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0280 seconds.)'. Below it, an error message says 'Error: #1046 No database selected'. The bottom status bar shows the date and time: '02/10/2019 15:43'.

### Percobaan 2

The screenshot shows the phpMyAdmin interface on a Windows desktop. The browser address bar shows 'localhost / 127.0.0.1 / informatika | phpMyAdmin'. The left sidebar shows the 'informatika' database selected, with tables: New, mahasiswa, and New. The main query box displays the SQL command 'CREATE TABLE Mahasiswa( NIM varchar(10) PRIMARY KEY NOT NULL, Nama char(50) NULL, Kelas char(5) NULL, Alamat char(50) NULL )' with a success message: 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.2180 seconds.)'. Below it, an edit link is visible. The bottom status bar shows the date and time: '02/10/2019 15:46'.

The screenshot shows the phpMyAdmin interface for the 'informatika' database. The left sidebar lists databases like 'information\_schema', 'mysql', 'perbankan', 'performance\_schema', 'perkuliahannya', 'phpmyadmin', and 'test'. The 'mahasiswa' table is selected under the 'informatika' database. The main panel displays the 'Table structure' tab, showing four columns: 'NIM' (varchar(10)), 'Nama' (char(50)), 'Kelas' (char(5)), and 'Alamat' (char(50)). Below the table definition are sections for 'Indexes' (with a primary key defined) and 'Partitions' (empty). The bottom status bar shows the date and time as 02/10/2019 15:47.

### Percobaan 3

The screenshot shows the phpMyAdmin interface for the 'informatika' database, similar to the previous one. The 'mahasiswa' table is selected. The main panel now shows the 'SQL' tab, with the following SQL query entered into the 'Run SQL query/queries on table informatika.mahasiswa:' text area:

```
1 INSERT INTO mahasiswa VALUES ('L200080001', 'Ari Wibowo', 'A', 'Solo');
```

To the right of the query, a 'Columns' list shows the four columns of the table: NIM, Nama, Kelas, and Alamat. Below the query area are buttons for SELECT, INSERT, UPDATE, DELETE, and other operations. The bottom status bar shows the date and time as 02/10/2019 15:49.

localhost / 127.0.0.1 / informatika x +

localhost/phpmyadmin/tbl\_sql.php?db=informatika&table=mahasiswa

**phpMyAdmin**

Recent Favorites

Server: 127.0.0.1 > Database: informatika > Table: mahasiswa

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0010 seconds.)

SELECT \* FROM mahasiswa

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options  T NIM Name Kelas Alamat

Edit  Copy  Delete L200080001 An Wibowo A Solo

Check all With selected:  Edit  Copy  Delete  Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print  Copy to clipboard  Export  Display chart  Create view

Bookmark this SQL query

Label:  Let every user access this bookmark

Bookmark this SQL query

Console

Bookmarks Options History Clear

IN 15:50 02/10/2019

The screenshot shows the phpMyAdmin interface for the 'mahasiswa' table. The table has four columns: NIM, Name, Kelas, and Alamat. There is one row with the values: L200080001, An Wibowo, A, Solo. The interface includes a query box at the top with the SQL command 'SELECT \* FROM mahasiswa'. Below the table are various navigation and operation buttons like 'Edit', 'Copy', and 'Delete'. At the bottom, there are 'Query results operations' buttons for printing, copying, exporting, displaying charts, and creating views.

localhost / 127.0.0.1 / informatika x +

localhost/phpmyadmin/tbl\_sql.php?db=informatika&table=mahasiswa

**phpMyAdmin**

Recent Favorites

Server: 127.0.0.1 > Database: informatika > Table: mahasiswa

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Run SQL query/queries on table informatika.mahasiswa:

Columns

NIM
Nama
Kelas
Alamat

1 INSERT INTO mahasiswa (NIM, Nama, Kelas) VALUES ('L200080001', 'Agustina', 'B')

SELECT\* SELECT INSERT UPDATE DELETE Clear Format

Get auto-saved query

Bind parameters

Bookmark this SQL query:

[ Delimiter:  ]  Show this query here again  Retain query box  Rollback when finished  Enable foreign key checks Go

Console

Bookmarks Options History Clear

IN 15:51 02/10/2019

The screenshot shows the phpMyAdmin interface with an 'INSERT' query entered in the SQL query box: '1 INSERT INTO mahasiswa (NIM, Nama, Kelas) VALUES ('L200080001', 'Agustina', 'B')'. The 'Columns' section on the right lists the table's columns: NIM, Nama, Kelas, and Alamat. Below the query, there are buttons for different SQL operations: SELECT\*, SELECT, INSERT, UPDATE, DELETE, Clear, and Format. At the bottom, there are options for a delimiter, showing/hiding the query, retaining it, rolling back on completion, and enabling foreign key checks, along with a 'Go' button.

localhost / 127.0.0.1 / informatika x +

localhost/phpmyadmin/tbl\_sql.php?db=informatika&table=mahasiswa

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: informatika > Table: mahasiswa

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Run SQL query/queries on table informatika.mahasiswa:

```
1 SELECT * FROM mahasiswa
```

Columns

NIM
Nama
Kelas
Alamat

SELECT \* SELECT INSERT UPDATE DELETE Clear Format

Get auto-saved query

Bind parameters

Bookmark this SQL query:

[ Delimiter : ]  Show this query here again  Retain query box  Rollback when finished  Enable foreign key checks Go

Console Bookmarks Options History Clear

IN 15:52 02/10/2019

This screenshot shows the phpMyAdmin interface for the 'mahasiswa' table in the 'informatika' database. The left sidebar shows the database structure. The main area has a query box containing 'SELECT \* FROM mahasiswa'. To the right, a 'Columns' section lists the table's fields: NIM, Nama, Kelas, and Alamat. Below the query box are buttons for various operations like SELECT, INSERT, and UPDATE. At the bottom, there are options for delimiter, query retention, and foreign key checks.

localhost / 127.0.0.1 / informatika x +

localhost/phpmyadmin/tbl\_sql.php?db=informatika&table=mahasiswa

phpMyAdmin

Recent | Favorites

Server: 127.0.0.1 > Database: informatika > Table: mahasiswa

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

✓ Showing rows 0 - 1 (2 total, Query took 0.0020 seconds.)

```
SELECT * FROM mahasiswa
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options ↗ ↘ NIM Nama Kelas Alamat

<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete L200080001 An Wibowo A Solo
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete L200080080 Agustina B NULL

Check all With selected:  Edit  Copy  Delete  Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print  Copy to clipboard  Export  Display chart  Create view

Bookmark this SQL query

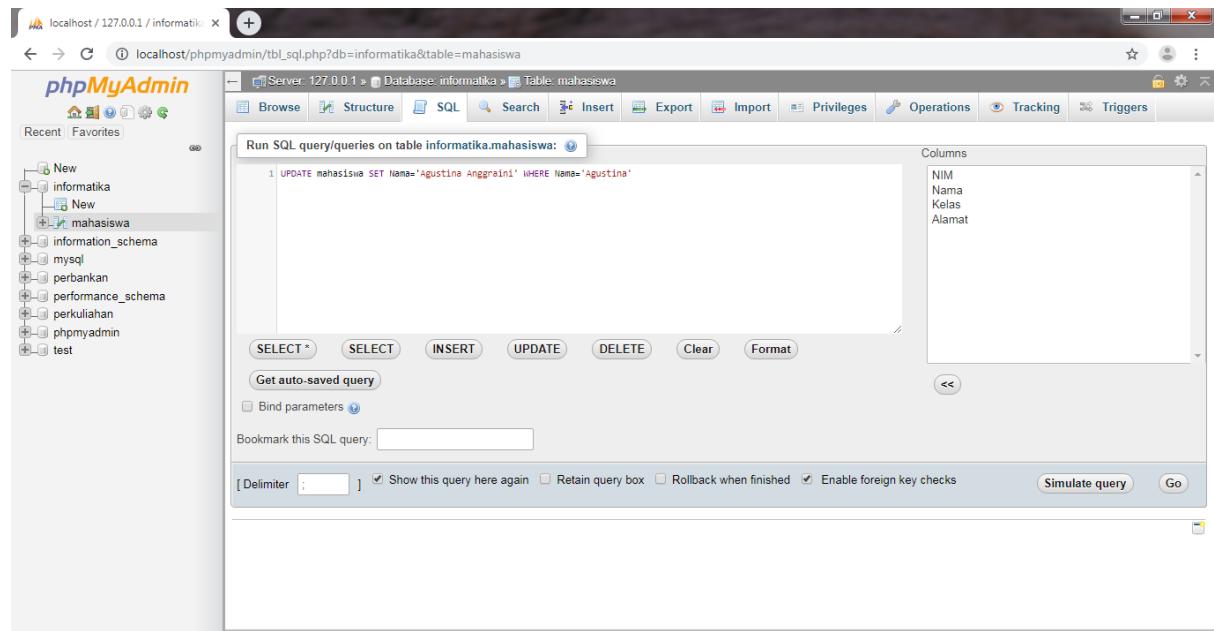
Label:  Let every user access this bookmark

Console Bookmarks Options History Clear

IN 15:53 02/10/2019

This screenshot shows the results of the SQL query 'SELECT \* FROM mahasiswa'. The results are displayed in a table with columns NIM, Nama, Kelas, and Alamat. Two rows are shown: one for 'An Wibowo' and one for 'Agustina'. Below the table, there are buttons for editing, copying, and deleting each row. The bottom section contains links for printing, exporting, and creating views, along with a bookmarking feature.

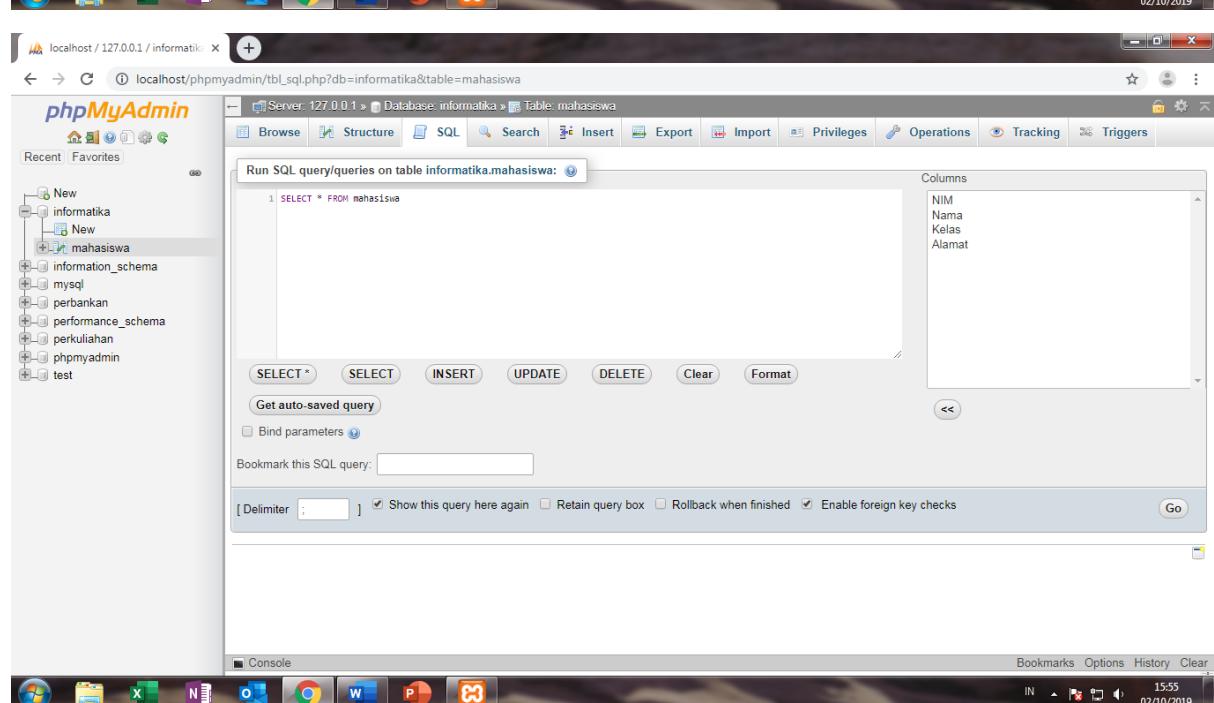
## Percobaan 4



The screenshot shows the phpMyAdmin interface for the 'informatika' database. The 'mahasiswa' table is selected. In the SQL tab, the following UPDATE query is entered:

```
1 UPDATE mahasiswa SET Nama='Agustina Anggraini' WHERE Nama='Agustina'
```

The 'Columns' panel on the right lists the fields: NIM, Nama, Kelas, and Alamat.



The screenshot shows the phpMyAdmin interface for the 'informatika' database. The 'mahasiswa' table is selected. In the SQL tab, the following SELECT query is entered:

```
1 SELECT * FROM mahasiswa
```

The 'Columns' panel on the right lists the fields: NIM, Nama, Kelas, and Alamat.

localhost / 127.0.0.1 / informatika x localhost/phpmyadmin/tbl\_sql.php?db=informatika&table=mahasiswa

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 > Database: informatika > Table: mahasiswa

Browse Structure SQL Search Insert Export Privileges Operations Tracking Triggers

Show query box

Showing rows 0 - 1 (2 total, Query took 0.0010 seconds.)

SELECT \* FROM mahasiswa

Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options T NIM Name Kelas Alamat

Edit Copy Delete L200080001 An Wibowo A Solo

Edit Copy Delete L200080080 Agustina Anggraini B NULL

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console Bookmarks Options History Clear

IN 15:55 02/10/2019

The screenshot shows the phpMyAdmin interface for the 'informatika' database. The 'mahasiswa' table is selected. The table has columns: NIM, Name, Kelas, and Alamat. There are two rows: one for 'An Wibowo' (NIM L200080001) and one for 'Agustina Anggraini' (NIM L200080080). The interface includes a query box at the top, a results grid below it, and various navigation and search tools.

localhost / 127.0.0.1 / informatika x localhost / 127.0.0.1 / informatika x localhost/phpmyadmin/db\_sql.php?db=informatika

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 > Database: informatika

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database informatika:

```
1 CREATE TABLE Nilai (
2     NIM varchar(10) PRIMARY KEY NULL,
3     Nama_WK char(50) NULL,
4     Nilai_Angka integer NULL,
5     Nilai_Kuruf char(5) NULL
6 )
```

Clear Format Get auto-saved query

Bind parameters

Bookmark this SQL query:

[ Delimiter : ] Show this query here again Retain query box Rollback when finished Enable foreign key checks Go

Console Bookmarks Options History Clear

IN 16:01 02/10/2019

The screenshot shows the phpMyAdmin interface for the 'informatika' database. The 'SQL' tab is active. A SQL query is entered in the main area: 'CREATE TABLE Nilai (NIM varchar(10) PRIMARY KEY NULL, Nama\_WK char(50) NULL, Nilai\_Angka integer NULL, Nilai\_Kuruf char(5) NULL)'. Below the query, there are options for clearing the input, applying a delimiter, and executing the query.

localhost / 127.0.0.1 / informatika x localhost / 127.0.0.1 / informatika x +

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 > Database: informatika > Table: nilai

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0010 seconds)

SELECT \* FROM `nilai`

NIM Nama\_MK Nilai\_Angka Nilai\_Huruf

Query results operations Create view

Bookmark this SQL query Label: Let every user access this bookmark Bookmark this SQL query

Console Bookmarks Options History Clear IN 16:02 02/10/2019

This screenshot shows the phpMyAdmin interface for the 'informatika' database. The 'nilai' table is selected. A green status bar at the top indicates an empty result set. The main area displays the table structure with columns: NIM, Nama\_MK, Nilai\_Angka, and Nilai\_Huruf. Below the table, there's a 'Query results operations' section with a 'Create view' button. Further down is a 'Bookmark this SQL query' section with a 'Label:' input field and a 'Let every user access this bookmark' checkbox. At the bottom of the page is a standard Windows taskbar.

localhost / 127.0.0.1 / informatika x localhost / 127.0.0.1 / informatika x +

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 > Database: informatika > Table: nilai

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Run SQL query/queries on table informatika.nilai:

Columns

NIM	Nama_MK	Nilai_Angka	Nilai_Huruf
1280000001	Kelitas Selekta	88	BC
1280000002	Perograman Web	87	AB
1280000003	Perograman Web	89	A

SELECT\* SELECT INSERT UPDATE DELETE Clear Format

Get auto-saved query Bind parameters

Bookmark this SQL query:

[ Delimiter : ]  Show this query here again  Retain query box  Rollback when finished  Enable foreign key checks Go

Console Bookmarks Options History Clear IN 16:09 02/10/2019

This screenshot shows the same phpMyAdmin interface as the first one, but now with data in the 'nilai' table. The table structure is identical. The 'Run SQL query/queries on table informatika.nilai:' section contains four INSERT statements. To the right, a 'Columns' table shows the data: NIM, Nama\_MK, Nilai\_Angka, and Nilai\_Huruf. The data rows are: (1280000001, 'Kelitas Selekta', 88, 'BC'), (1280000002, 'Perograman Web', 87, 'AB'), and (1280000003, 'Perograman Web', 89, 'A'). Below the table are various SQL query execution buttons like SELECT\*, INSERT, and UPDATE. At the bottom, there are checkboxes for enabling foreign key checks and retaining the query box, along with a 'Go' button.

The screenshot shows the phpMyAdmin interface for the 'informatika' database. The left sidebar lists databases and tables, with 'nilai' selected. The main area displays the 'nilai' table with three rows:

	NIM	Nama_MK	Nilai_Angka	Nilai_Huruf
<input type="checkbox"/>	L200080002	Kapita Selekta	60	BC
<input type="checkbox"/>	L200080010	Pemrograman Web	87	A
<input type="checkbox"/>	L200080080	Pemrograman Web	90	A

Below the table, there are buttons for 'Edit', 'Copy', 'Delete', 'Check all', and 'With selected'. The status bar at the bottom right shows the date and time: 02/10/2019 16:09.

## Percobaan 5

The screenshot shows the phpMyAdmin interface with the 'informatika' database selected. The top navigation bar includes tabs for Structure, SQL, Search, Export, Import, Operations, Privileges, Routines, Events, and More. The SQL tab is active, displaying the following query:

```
1 SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

Below the query, there are buttons for 'Clear', 'Format', 'Get auto-saved query', 'Bind parameters', and 'Bookmark this SQL query'. At the bottom, there are checkboxes for 'Delimiter', 'Show this query here again', 'Retain query box', 'Rollback when finished', and 'Enable foreign key checks', followed by a 'Go' button. The status bar at the bottom right shows the date and time: 02/10/2019 16:12.

The screenshot shows the phpMyAdmin interface for the 'informatika' database. A green message bar at the top indicates 'Showing rows 0 - 0 (1 total, Query took 0.0030 seconds.)'. Below it, a SQL query is displayed:

```
SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

The results table shows one row:

NIM	Nama	Nama_MK	Nilai_Angka	Nilai_Huruf
L200080080	Agustina Anggraini	Pemrograman Web	90	A

Below the results, there are buttons for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. A 'Query results operations' section allows bookmarking the query.

## Percobaan 6

The screenshot shows the phpMyAdmin interface for the 'informatika' database. In the 'Run SQL query/queries on database informatika:' input field, the following query is entered:

```
1. SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa LEFT JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

Below the input field are buttons for 'Clear', 'Format', and 'Get auto-saved query'. There is also a checkbox for 'Bind parameters'. A 'Bookmark this SQL query:' input field and a 'Delimiter' dropdown are present. At the bottom, there are checkboxes for 'Show this query here again', 'Retain query box', 'Rollback when finished', and 'Enable foreign key checks', followed by a 'Go' button.

The screenshot shows the phpMyAdmin interface for the 'informatika' database. A SQL query was run:

```
SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa LEFT JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

The results show two rows of data:

NIM	Nama	Nama_MK	Nilai_Angka	Nilai_Huruf
L200080001	Ari Wibowo	NULL	NULL	NULL
L200080080	Agustina Anggraini	Pemrograman Web	90	A

## Percobaan 7

The screenshot shows the phpMyAdmin interface with a SQL query entered in the query editor:

```
1. SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa RIGHT JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

The query number is 1.

Below the query, there are several buttons and options:

- Clear
- Format
- Get auto-saved query
- Bind parameters
- Bookmark this SQL query
- Delimiter [ ]
- Show this query here again
- Retain query box
- Rollback when finished
- Enable foreign key checks
- Go button

The screenshot shows the phpMyAdmin interface for the 'informatika' database. The left sidebar lists databases: New, informatika, New, mahasiswa, nilai, information\_schema, mysql, perbankan, performance\_schema, perkuliahan, phpmyadmin, and test. The main area displays a query result for a JOIN operation:

```
SELECT mahasiswa.NIM, mahasiswa>Nama, nilai>Nama_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa RIGHT JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

The result table has columns: NIM, Nama, Nama\_MK, Nilai\_Angka, and Nilai\_Huruf. It contains three rows:

NIM	Nama	Nama_MK	Nilai_Angka	Nilai_Huruf
NULL	NULL	Kapita Selekta	60	BC
NULL	NULL	Pemrograman Web	87	A
L200080080	Agustina Anggraini	Pemrograman Web	90	A

Below the table are buttons for Print, Copy to clipboard, Export, Display chart, and Create view. A 'Bookmark this SQL query' section is also present.

## Percobaan 8

The screenshot shows the phpMyAdmin interface for the 'informatika' database. The left sidebar lists the same databases as the previous screenshot. The main area shows a query being run in the 'Run SQL query/queries on database informatika:' box:

```
1 SELECT AVG(Nilai_Angka) 'Rata-rata Nilai' FROM nilai
```

Below the query box are buttons for Clear, Format, Get auto-saved query, Bind parameters, and a 'Bookmark this SQL query' section. At the bottom, there are options for Delimiter, Show this query here again, Retain query box, Rollback when finished, and Enable foreign key checks, followed by a 'Go' button.

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_sql.php?db=informatika

**phpMyAdmin**

Server: 127.0.0.1 > Database: informatika > Table: nilai

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT AVG(Nilai\_Angka) 'Rata-rata Nilai' FROM nilai

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options Rata-rata Nilai 79.0000

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console Bookmarks Options History Clear

16:18 02/10/2019

This screenshot shows the phpMyAdmin interface for the 'informatika' database. The 'nilai' table is selected. A warning message at the top states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, it says 'Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)'. The SQL query shown is 'SELECT AVG(Nilai\_Angka) 'Rata-rata Nilai' FROM nilai'. The result is displayed as 'Rata-rata Nilai' with a value of '79.0000'. The bottom section shows various query operations like Print, Copy to clipboard, Export, etc., and a 'Bookmark this SQL query' section.

## Percobaan 9

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_sql.php?db=informatika

**phpMyAdmin**

Server: 127.0.0.1 > Database: informatika

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database informatika:

1. SELECT SUM(Nilai\_Angka) 'Total Nilai' FROM nilai

Clear Format Get auto-saved query Bind parameters

Bookmark this SQL query:

[Delimiter : ] Show this query here again Retain query box Rollback when finished Enable foreign key checks Go

Console Bookmarks Options History Clear

16:19 02/10/2019

This screenshot shows the phpMyAdmin interface for the 'informatika' database. In the 'Query' tab, the SQL query 'SELECT SUM(Nilai\_Angka) 'Total Nilai' FROM nilai' is entered. The 'Go' button is visible at the bottom right of the query box. The bottom of the screen shows standard Windows taskbar icons and system status.

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_sql.php?db=informatika

phpMyAdmin

Server: 127.0.0.1 > Database: informatika > Table: nilai

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0010 seconds.)

SELECT SUM(Nilai\_Angka) 'Total Nilai' FROM nilai

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options Total Nilai 237

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console Bookmarks Options History Clear

IN 16:19 02/10/2019

## Percobaan 10

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_sql.php?db=informatika

phpMyAdmin

Server: 127.0.0.1 > Database: informatika

Structure SQL Search Export Import Operations Privileges Routines Events More

Run SQL query/queries on database informatika:

```
1 CREATE VIEW KHS AS SELECT mahasiswa.NIM, nilai.Name_MK, nilai.Nilai_Angka, nilai.Nilai_Huruf FROM (mahasiswa INNER JOIN nilai ON mahasiswa.NIM=nilai.NIM)
```

Clear Format Get auto-saved query

Bind parameters

Bookmark this SQL query:

[Delimiter : ] Show this query here again Retain query box Rollback when finished Enable foreign key checks Go

Console Bookmarks Options History Clear

IN 16:21 02/10/2019

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_structure.php?server=1&db=informatika&tbl\_type=view

**phpMyAdmin**

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
khs	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Drop <input type="checkbox"/> View ---	1	InnoDB	latin1_swedish_ci	0 B	0 B

1 table Sum

Check all With selected:

Print Data dictionary

Create table

Name:  Number of columns: 4

Console Bookmarks Options History Clear

16:22 02/10/2019

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_structure.php?server=1&db=informatika

**phpMyAdmin**

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
khs	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Drop <input type="checkbox"/> View ---	1	InnoDB	latin1_swedish_ci	0 B	0 B
mahasiswa	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Empty <input type="checkbox"/> Drop	2	InnoDB	latin1_swedish_ci	16 KIB	-
nilai	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Empty <input type="checkbox"/> Drop	3	InnoDB	latin1_swedish_ci	16 KIB	-

3 tables Sum

Check all With selected:

Print Data dictionary

Create table

Name:  Number of columns: 4

Console Bookmarks Options History Clear

16:22 02/10/2019

localhost / 127.0.0.1 / informatika

localhost/phpmyadmin/db\_structure.php?server=1&db=informatika

**phpMyAdmin**

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
khs	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Drop <input type="checkbox"/> View ---	1	InnoDB	latin1_swedish_ci	0 B	0 B
mahasiswa	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Empty <input type="checkbox"/> Drop	2	InnoDB	latin1_swedish_ci	16 KIB	-
nilai	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Empty <input type="checkbox"/> Drop	3	InnoDB	latin1_swedish_ci	16 KIB	-

3 tables Sum

Check all With selected:

Print Data dictionary

Create table

Name:  Number of columns: 4

Console Bookmarks Options History Clear

16:22 02/10/2019

localhost / 127.0.0.1 / informatika

phpMyAdmin

Server: 127.0.0.1 > Database: informatika

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database informatika:

```
1 SELECT * FROM khs
```

Clear Format Get auto-saved query  
Bind parameters  
Bookmark this SQL query:  
[ Delimiter : ] Show this query here again Retain query box Rollback when finished Enable foreign key checks Go

localhost / 127.0.0.1 / informatika

phpMyAdmin

Server: 127.0.0.1 > Database: informatika > View: khs

Browse Structure SQL Search Insert Export Privileges Operations Tracking

Show query box

Current selection does not contain a unique column. Grid edit, Edit, Copy and Delete features may result in undesired behavior.

Showing rows 0 - ... (Query took 0.0010 seconds.)

```
SELECT * FROM khs
```

Number of rows: 25 Filter rows: Search this table

+ Options  
NIM Nama\_MK Nilai\_Angka Nilai\_Huruf  
Edit Copy Delete L200080080 Pemrograman Web 90 A  
Check all With selected: Edit Copy Delete Export

Number of rows: 25 Filter rows: Search this table

Query results operations  
Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query  
Label: Let every user access this bookmark

## TUGAS

### 1. Fungsi

- a. **SELECT** : Menampilkan isi dari sebuah table.
- b. **JOIN** : Menghubungkan satu table dengan table yang lainnya.
- c. **LEFT JOIN** : Menghubungkan table dan menampilkan semua data (kiri) pada table yang tidak berhubungan, sedangkan data kosong bernilai NULL.
- d. **RIGHT JOIN** : Menghubungkan table dan menampilkan semua data (kanan) pada table yang tidak berhubungan, sedangkan data kosong bernilai NULL.
- e. **AVG** : Menghitung rata-rata nilai dari sekumpulan record.
- f. **SUM** : Menjumlahkan nilai dari sekumpulan record.
- g.

## 2. Syntax

The screenshot shows the phpMyAdmin interface for the 'mahasiswa' table. The left sidebar shows the database structure with 'informatika' selected. The main area displays the results of the query `SELECT * FROM `mahasiswa``. The results table has columns: NIM, Nama, Kelas, and Alamat. Two rows are shown:

NIM	Nama	Kelas	Alamat
L200080001	Ari Wibowo	A	Solo
L200080080	Agustina Anggraini	B	NULL

Below the results, there are buttons for 'Edit', 'Copy', 'Delete', 'Insert', 'Export', and 'Query results operations'.

The screenshot shows the phpMyAdmin interface for the 'mahasiswa' table. The left sidebar shows the database structure with 'informatika' selected. The main area shows the SQL query `UPDATE mahasiswa SET Alamat='Sragen' WHERE NIM='L200080080'` in the 'Run SQL query/queries on table informatika.mahasiswa:' input field. To the right, a 'Columns' panel lists the table's columns: NIM, Nama, Kelas, and Alamat. Below the query input, there are buttons for 'SELECT', 'INSERT', 'UPDATE', 'DELETE', 'Clear', and 'Format'. At the bottom, there are options for 'Delimiter', 'Show this query here again', 'Retain query box', 'Rollback when finished', 'Enable foreign key checks', 'Simulate query', and 'Go'.

Screenshot of the phpMyAdmin interface showing the 'mahasiswa' table in the 'informatika' database.

The left sidebar shows the database structure:

- New
- informatika
  - Tables
    - mahasiswa
  - Views
  - khs
- information\_schema
- mysql
- perbankan
- performance\_schema
- perkuliahian
- phpmyadmin
- test

The main area displays the 'mahasiswa' table data:

NIM	Nama	Kelas	Alamat
L200080001	Ari Wibowo	A	Solo
L200080080	Agustina Anggraini	B	Sragen

Below the table, there are buttons for 'Edit', 'Copy', 'Delete', 'Check all', and 'With selected:'. There are also links for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

At the bottom, there is a 'Bookmark this SQL query' section with a 'Label' input field and a checkbox for 'Let every user access this bookmark'. A 'Console' tab is also visible at the bottom.

System tray icons are visible at the bottom of the screen.