

**TUGAS ANALISIS DAN DESAIN SISTEM**  
**Membuat Database Perpustakaan**



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**PROGRAM STUDI AKUNTANSI S1**  
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## Hasil

The screenshot shows the phpMyAdmin interface for a database named 'perpustakaan'. The 'Structure' tab is selected, displaying a list of 12 tables. Each table entry includes a checkbox, the table name, a star icon, and a set of action icons (Browse, Structure, Search, Insert, Empty, Drop). The table details are as follows:

Table	Action	Rows	Type	Collation	Size	Overhead
admin	[Icons]	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
buku	[Icons]	9	InnoDB	utf8mb4_general_ci	16.0 KiB	-
genre	[Icons]	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
jenis_identitas	[Icons]	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
kelamin	[Icons]	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
kelas	[Icons]	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
konfirmasi	[Icons]	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
peminjaman	[Icons]	2	InnoDB	utf8mb4_general_ci	48.0 KiB	-
pengembalian	[Icons]	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
role	[Icons]	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
status	[Icons]	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
user	[Icons]	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<b>12 tables</b>	<b>Sum</b>	<b>30</b>	<b>InnoDB</b>	<b>utf8mb4_general_ci</b>	<b>256.0 KiB</b>	<b>0 B</b>

At the bottom, there is a 'Check all' checkbox and a 'With selected:' dropdown menu. The console at the bottom shows the URL: localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=kelas.

## Admin

The screenshot shows the phpMyAdmin interface for the 'admin' table within the 'perpustakaan' database. The 'Table structure' tab is selected, displaying the table's schema. The table has three columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_admin	int(11)			No	None		AUTO_INCREMENT	[Change] [Drop] [More]
2	nama	varchar(250)	utf8mb4_general_ci		No	None			[Change] [Drop] [More]
3	password	varchar(250)	utf8mb4_general_ci		No	None			[Change] [Drop] [More]

Below the table structure, there are various actions like 'Print', 'Propose table structure', 'Track table', 'Move columns', and 'Normalize'. There is also a section for 'Indexes' showing the primary key 'id\_admin' with a BTREE index type. At the bottom, there is a 'Create an index on' section with a dropdown menu set to '1' and a 'Go' button. The console at the bottom shows the URL: localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=admin.

## Buku

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=buku

Server: 127.0.0.1 » Database: perpustakaan » Table: buku

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id_buku	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	2 kode_buku	varchar(25)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	3 judul	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	4 jumlah_buku	varchar(10)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	5 pengarang	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	6 penerbit	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	7 tahun_terbit	varchar(4)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	8 status	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	9 genre	varchar(250)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	10 tgl_masuk	date			Yes	NULL			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#) [Add to central columns](#)  
[Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

[Add](#) 1 column(s) after tgl\_masuk [Go](#)

Console

## Genre

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=genre

Server: 127.0.0.1 » Database: perpustakaan » Table: genre

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	2 genre	varchar(250)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#) [Add to central columns](#)  
[Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

[Add](#) 1 column(s) after genre [Go](#)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	2	A	No	

Create an index on 1 columns [Go](#)

Partitions

Console

## Jenis\_identitas

The screenshot shows the phpMyAdmin interface for the 'perpustakaan' database, specifically the 'jenis\_identitas' table. The 'Table structure' tab is active, displaying the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_identitas	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	Nama	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

Below the table structure, there are options to 'Check all', 'With selected:', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', and 'Add to central columns'. There is also a 'Remove from central columns' link.

At the bottom, there are links for 'Print', 'Propose table structure', 'Track table', 'Move columns', and 'Normalize'. A form to 'Add' columns is present, with '1' entered in the 'column(s)' field and 'after Nama' in the 'column(s)' dropdown, followed by a 'Go' button.

The 'Indexes' section shows a table with the following data:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id_identitas	2	A	No	

Below the indexes, there is a form to 'Create an index on' with '1' entered in the 'column(s)' field, followed by a 'Go' button.

The 'Partitions' section is empty.

## Kelamin

The screenshot shows the phpMyAdmin interface for the 'perpustakaan' database, specifically the 'kelamin' table. The 'Table structure' tab is active, displaying the following table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
2	Nama	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

Below the table structure, there are options to 'Check all', 'With selected:', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', and 'Add to central columns'. There is also a 'Remove from central columns' link.

At the bottom, there are links for 'Print', 'Propose table structure', 'Track table', 'Move columns', and 'Normalize'. A form to 'Add' columns is present, with '1' entered in the 'column(s)' field and 'after Nama' in the 'column(s)' dropdown, followed by a 'Go' button.

The 'Indexes' section shows a table with the following data:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<a href="#">Edit</a> <a href="#">Rename</a> <a href="#">Drop</a>	PRIMARY	BTREE	Yes	No	id	2	A	No	

Below the indexes, there is a form to 'Create an index on' with '1' entered in the 'column(s)' field, followed by a 'Go' button.

The 'Partitions' section is empty.

## Kelas

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=kelas

Server: 127.0.0.1 » Database: perpustakaan » Table: kelas

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_kelas	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	Nama	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after Nama Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_kelas	3	A	No	

Create an index on 1 columns Go

Partitions Console

## Konfirmasi

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=konfirmasi

Server: 127.0.0.1 » Database: perpustakaan » Table: konfirmasi

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_konfirmasi	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	nama	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after nama Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_konfirmasi	2	A	No	

Create an index on 1 columns Go

Partitions Console



## Peminjaman

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=peminjaman

Server: 127.0.0.1 » Database: perpustakaan » Table: peminjaman

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_peminjaman	int(50)			No	None		AUTO_INCREMENT	Change Drop More
2	id_user	int(6)			No	None			Change Drop More
3	id_buku	int(11)			No	None			Change Drop More
4	judul_buku	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More
5	jumlah_buku	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
6	tgl_peminjaman	date			No	None			Change Drop More
7	durasi_peminjaman	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
8	status	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after status Go

Indexes

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=peminjaman

## Pengembalian

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=pengembalian

Server: 127.0.0.1 » Database: perpustakaan » Table: pengembalian

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id_pengembalian	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	id_user	int(6)			No	None			Change Drop More
3	id_buku	int(11)			No	None			Change Drop More
4	id_peminjaman	int(50)			No	None			Change Drop More
5	tgl_pengembalian	date			No	None			Change Drop More
6	konfirmasi	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after konfirmasi Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_pengembalian	0	A	No	
						0	A	No	

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=pengembalian

## Role

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=role

Server: 127.0.0.1 » Database: perpustakaan » Table: role

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id_role	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 Nama	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after Nama Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id_role	2	A	No	

Create an index on 1 columns Go

Partitions

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=role

## Status

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=status

Server: 127.0.0.1 » Database: perpustakaan » Table: status

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 nama	varchar(250)	utf8mb4_general_ci		No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after nama Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id	2	A	No	

Create an index on 1 columns Go

Partitions

Console

## User

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=user

Server: 127.0.0.1 > Database: perpustakaan > Table: user

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id_user	int(6)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	2 nama	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	3 password	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	4 role	varchar(15)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	5 notelp	varchar(15)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	6 jenis_identitas	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	7 kelas	varchar(15)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	8 jenis_kelamin	varchar(15)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	9 alamat	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/>	10 nomer_identitas	int(11)			No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#) [Add to central columns](#)  
[Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

[Add](#) 1 column(s) after nomer\_identitas [Go](#)

localhost/phpmyadmin/index.php?route=/table/structure&db=perpustakaan&table=user

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