

LAPORAN WORKSHOP BASIS DATA

MINGGU KE - 6



Data Definition Language (DDL) / Alter Table

ROBY JULIAN CANDRA

E41230403

GOLONGAN : A

PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI JEMBER

2023

HASIL DAN PEMBAHASAN PRAKTIK

Acara 21


Materi Pembelajaran : Data Definition Language (DDL) / Alter Table

Acara Praktikum/Praktik : Minggu 6 / 21

Tempat : Laboratorium Jurusan Teknologi Informasi,

Politeknik Negeri Jember

Alokasi Waktu : 100 menit

	POLITEKNIK NEGERI JEMBER JURUSAN TEKNOLOGI INFORMASI PROGRAM STUDI D4 TEKNIK INFORMATIKA	
LEMBAR KERJA MAHASISWA		
Materi Pembelajaran : Data Definition Language (DDL) / Create Database dan Tabel		
IDENTITAS MAHASISWA		
Nama/NIM/Kelas	Roby Julian Candra / E41230403 / A	
Pertemuan	6	
Acara	21	
Hari/Tanggal	28 / 9 / 2023	
BAHAN DAN LANGKAH KERJA		
<ol style="list-style-type: none">1. Bacalah dengan seksama dasar teori yang terdapat pada BKPM acara ke-172. Perhatikan studi kasus terkait "akademik" di bagian prosedur kerja.3. Kerjakan prosedur kerja dengan baik.4. Tuliskan hasil pengerjaan prosedur kerja pada lembar hasil kerja berikut.		
HASIL KERJA		
No	Langkah Kerja	Tampilan Hasil
1	Query menambahkan field pada table mhs	<pre>1 ALTER TABLE mhs 2 ADD jenis_kelamin VARCHAR(50) </pre>
2	Bukti hasil Pembuatan field pada table mhs	<div>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0031 seconds.)</div> <div>ALTER TABLE mhs ADD jenis_kelamin VARCHAR(50);</div> <div>Edit inline][Edit][Create PHP code]</div>
3	Query menghapus field pada table mhs	<pre>1 ALTER TABLE mhs 2 DROP COLUMN jenis_kelamin</pre>

4	Bukti hasil menghapus field pada table mhs	<div>✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)</div> <div>ALTER TABLE mhs DROP COLUMN jenis_kelamin;</div> <div>Edit inline][Edit][Create PHP code]</div>																																																		
5	Query alter table menambahkan primary key pada table mhs	<div>1 ALTER TABLE mhs</div> <div>2 ADD PRIMARY KEY (nim) </div>																																																		
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7	Query alter table menambahkan primary key pada table program_studi	<div>1 ALTER TABLE program_studi</div> <div>2 ADD PRIMARY KEY(nama_prodi) </div>																																																		
8	Bukti hasil alter table menambahkan primary key pada table program_studi	<table><thead><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr></thead><tbody><tr><td><input type="checkbox"/></td><td>1 nama_prodi</td><td>varchar(50)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 jenjang</td><td>varchar(4)</td><td>utf8mb4_general_ci</td><td></td><td>Yes</td><td>NULL</td><td></td><td></td><td> Change Drop More</td></tr></tbody></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 nama_prodi	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 jenjang	varchar(4)	utf8mb4_general_ci		Yes	NULL			Change Drop More																				
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9	Query alter table menambahkan primary key pada table dosen	<div>1 ALTER TABLE dosen</div> <div>2 ADD PRIMARY KEY(NIP) </div>																																																		
10	Bukti hasil alter table menambahkan primary key pada table dosen	<table><thead><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr></thead><tbody><tr><td><input type="checkbox"/></td><td>1 NIP</td><td>char(18)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 nama_dosen</td><td>varchar(70)</td><td>utf8mb4_general_ci</td><td></td><td>Yes</td><td>NULL</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>3 alamat_dosen</td><td>varchar(100)</td><td>utf8mb4_general_ci</td><td></td><td>Yes</td><td>NULL</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>4 notelp_dosen</td><td>int(11)</td><td></td><td></td><td>Yes</td><td>NULL</td><td></td><td></td><td> Change Drop More</td></tr></tbody></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 NIP	char(18)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 nama_dosen	varchar(70)	utf8mb4_general_ci		Yes	NULL			Change Drop More	<input type="checkbox"/>	3 alamat_dosen	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More	<input type="checkbox"/>	4 notelp_dosen	int(11)			Yes	NULL			Change Drop More
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11	Query alter table menambahkan primary key pada table mata_kuliah	<div>1 ALTER TABLE mata_kuliah</div> <div>2 ADD PRIMARY KEY(kode_matkul) </div>																																																		

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17	Query alter table menambahkan foreign key pada table akun	<pre>1 ALTER TABLE akun 2 ADD FOREIGN KEY (nim) REFERENCES mhs(nim); </pre>																																																																						
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HASIL KERJA

No	Langkah Kerja	Tampilan Hasil
1	Query menambahkan field pada table supplier	<pre>1 ALTER TABLE supplier 2 ADD jenis_kelamin CHAR(20)</pre>
2	Bukti hasil Pembuatan field pada table supplier	<div>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)</div> <div><pre>ALTER TABLE supplier ADD jenis_kelamin CHAR(20);</pre></div> <div>[Edit inline] [Edit] [Create PHP code]</div>
3	Query menghapus field pada table supplier	<pre>1 ALTER TABLE supplier 2 DROP COLUMN jenis_kelamin</pre>
4	Bukti hasil menghapus field pada table supplier	<div>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)</div> <div><pre>ALTER TABLE supplier DROP COLUMN jenis_kelamin;</pre></div> <div>[Edit inline] [Edit] [Create PHP code]</div>
5	Query alter table menambahkan primary key pada table faktur_pembelian	<pre>1 ALTER TABLE faktur_pembelian 2 ADD PRIMARY KEY (no_faktur)</pre>

6	Bukti hasil alter table menambahkan primary key pada table faktur_pembelian	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr><tr><td><input type="checkbox"/></td><td>1 no_faktur</td><td>varchar(25)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 harga_beli</td><td>int(30)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>3 jenis_pupuk</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>4 nama_supplier</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>5 tanggal_faktur</td><td>date</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>6 jumlah</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>7 total</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 no_faktur	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 harga_beli	int(30)			No	None			Change Drop More	<input type="checkbox"/>	3 jenis_pupuk	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	4 nama_supplier	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	5 tanggal_faktur	date			No	None			Change Drop More	<input type="checkbox"/>	6 jumlah	int(15)			No	None			Change Drop More	<input type="checkbox"/>	7 total	int(15)			No	None			Change Drop More
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8	Bukti hasil alter table menambahkan primary key pada table supplier	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr><tr><td><input type="checkbox"/></td><td>1 kode_supplier</td><td>varchar(16)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 no_hp_supplier</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>3 nama_supplier</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>4 alamat_supplier</td><td>varchar(100)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>5 telp_supplier</td><td>int(13)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>6 cp_supplier</td><td>int(13)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 kode_supplier	varchar(16)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 no_hp_supplier	int(15)			No	None			Change Drop More	<input type="checkbox"/>	3 nama_supplier	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	4 alamat_supplier	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	5 telp_supplier	int(13)			No	None			Change Drop More	<input type="checkbox"/>	6 cp_supplier	int(13)			No	None			Change Drop More										
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11	Query alter table menambahkan primary key pada table anggota_koperasi	<pre>1 ALTER TABLE anggota_koperasi 2 ADD PRIMARY KEY (no_anggota)</pre>																																																																																
12	Bukti hasil alter table menambahkan primary key pada table anggota_koperasi	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr><tr><td><input type="checkbox"/></td><td>1 no_anggota</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 telepon_anggota</td><td>int(30)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>3 alamat_anggota</td><td>varchar(100)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>4 nama</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 no_anggota	int(15)			No	None			Change Drop More	<input type="checkbox"/>	2 telepon_anggota	int(30)			No	None			Change Drop More	<input type="checkbox"/>	3 alamat_anggota	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	4 nama	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More																														
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13	Query alter table menambahkan primary key pada table bon_penjualan	<pre>1 ALTER TABLE bon_penjualan 2 ADD PRIMARY KEY (no_bon)</pre>																																																																																
14	Bukti hasil alter table menambahkan primary key pada table bon_penjualan	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr><tr><td><input type="checkbox"/></td><td>1 no_bon</td><td>varchar(15)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 harga_penjualan</td><td>int(25)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>3 jumlah</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>4 total</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>5 tanggal_bon</td><td>date</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>6 nama_anggota</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>7 jenis_pupuk</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 no_bon	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 harga_penjualan	int(25)			No	None			Change Drop More	<input type="checkbox"/>	3 jumlah	int(15)			No	None			Change Drop More	<input type="checkbox"/>	4 total	int(15)			No	None			Change Drop More	<input type="checkbox"/>	5 tanggal_bon	date			No	None			Change Drop More	<input type="checkbox"/>	6 nama_anggota	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	7 jenis_pupuk	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
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15	Query alter table menambahkan foreign key pada table faktur_pembelian	<pre>1 ALTER TABLE faktur_pembelian 2 ADD FOREIGN KEY (nama_supplier) REFERENCES supplier(kode_supplier);</pre>																																																																																
16	Bukti hasil alter table menambahkan foreign key pada table faktur_pembelian	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr><tr><td><input type="checkbox"/></td><td>1 no_faktur</td><td>varchar(25)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 harga_beli</td><td>int(30)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>3 jenis_pupuk</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>4 nama_supplier</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>5 tanggal_faktur</td><td>date</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>6 jumlah</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>7 total</td><td>int(15)</td><td></td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 no_faktur	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 harga_beli	int(30)			No	None			Change Drop More	<input type="checkbox"/>	3 jenis_pupuk	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	4 nama_supplier	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	5 tanggal_faktur	date			No	None			Change Drop More	<input type="checkbox"/>	6 jumlah	int(15)			No	None			Change Drop More	<input type="checkbox"/>	7 total	int(15)			No	None			Change Drop More
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17	Query alter table menambahkan foreign key pada table detail_pembelian	<pre>1 ALTER TABLE detail_pembelian 2 ADD FOREIGN KEY (kode_pupuk) REFERENCES pupuk(kode_pupuk); 1 ALTER TABLE detail_pembelian 2 ADD FOREIGN KEY (kode_pupuk) REFERENCES pupuk(kode_pupuk);</pre>																																																																																
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19	Query alter table menambahkan foreign key pada detail_penjualan	<pre>1 ALTER TABLE detail_penjualan 2 ADD FOREIGN KEY (no_bon) REFERENCES bon_penjualan(no_bon); 3 4 ALTER TABLE detail_penjualan 5 ADD FOREIGN KEY (kode_pupuk) REFERENCES pupuk(kode_pupuk);</pre>																																																																																

20	Bukti hasil alter table menambahkan foreign key pada detail_penjualan	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th><th>Null</th><th>Default</th><th>Comments</th><th>Extra</th><th>Action</th></tr><tr><td><input type="checkbox"/></td><td>1 no_bon</td><td>varchar(15)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr><tr><td><input type="checkbox"/></td><td>2 kode_pupuk</td><td>char(9)</td><td>utf8mb4_general_ci</td><td></td><td>No</td><td>None</td><td></td><td></td><td> Change Drop More</td></tr></table>	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	<input type="checkbox"/>	1 no_bon	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More	<input type="checkbox"/>	2 kode_pupuk	char(9)	utf8mb4_general_ci		No	None			Change Drop More										
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21	Query alter table menambahkan foreign key pada bon_penjualan	<pre>1 ALTER TABLE bon_penjualan 2 ADD FOREIGN KEY (nama_jenis_pupuk) REFERENCES pupuk(kode_pupuk); 3 4 ALTER TABLE bon_penjualan 5 ADD foreign KEY (nama_anggota) REFERENCES 6 anggota_koperasi(no_anggota);</pre>																																								
22	Bukti hasil alter table menambahkan foreign key pada bon_penjualan	<table><tr><th>#</th><th>Name</th><th>Type</th><th>Collation</th><th>Attributes</th></tr><tr><td><input type="checkbox"/></td><td>1 no_bon</td><td>varchar(15)</td><td>utf8mb4_general_ci</td><td></td></tr><tr><td><input type="checkbox"/></td><td>2 harga_penjualan</td><td>int(25)</td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>3 jumlah</td><td>int(15)</td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>4 total</td><td>int(15)</td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>5 tanggal_bon</td><td>date</td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>6 nama_anggota</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td></tr><tr><td><input type="checkbox"/></td><td>7 nama_jenis_pupuk</td><td>varchar(30)</td><td>utf8mb4_general_ci</td><td></td></tr></table>	#	Name	Type	Collation	Attributes	<input type="checkbox"/>	1 no_bon	varchar(15)	utf8mb4_general_ci		<input type="checkbox"/>	2 harga_penjualan	int(25)			<input type="checkbox"/>	3 jumlah	int(15)			<input type="checkbox"/>	4 total	int(15)			<input type="checkbox"/>	5 tanggal_bon	date			<input type="checkbox"/>	6 nama_anggota	varchar(30)	utf8mb4_general_ci		<input type="checkbox"/>	7 nama_jenis_pupuk	varchar(30)	utf8mb4_general_ci	
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<input type="checkbox"/>	7 nama_jenis_pupuk	varchar(30)	utf8mb4_general_ci																																							

Acara 22


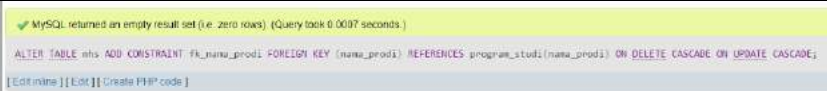
Materi Pembelajaran : Data Definition Language (DDL) / Alter Table

Acara Praktikum/Praktik : Minggu 6 / 22

Tempat : Laboratorium Jurusan Teknologi Informasi,

Politeknik Negeri Jember

Alokasi Waktu : 100 menit

	POLITEKNIK NEGERI JEMBER JURUSAN TEKNOLOGI INFORMASI PROGRAM STUDI D4 TEKNIK INFORMATIKA	
LEMBAR KERJA MAHASISWA		
Materi Pembelajaran : Data Definition Language (DDL) / Create Database dan Tabel		
IDENTITAS MAHASISWA		
Nama/NIM/Kelas	Roby Julian Candra / E41230403 / A	
Pertemuan	6	
Acara	22	
Hari/Tanggal	28 / 9 / 2023	
BAHAN DAN LANGKAH KERJA		
9. Bacalah dengan seksama dasar teori yang terdapat pada BKPM acara ke-17		
10. Perhatikan studi kasus terkait "akademik" di bagian prosedur kerja.		
11. Kerjakan prosedur kerja dengan baik.		
12. Tuliskan hasil pengerjaan prosedur kerja pada lembar hasil kerja berikut.		
HASIL KERJA		
No	Langkah Kerja	Tampilan Hasil
1	Query alter table membuat relasi antara table mhs dengan table program_studi	<pre>1 ALTER TABLE mhs 2 ADD CONSTRAINT fk_nama_prodi FOREIGN KEY (nama_prodi) 3 REFERENCES program_studi(nama_prodi) 4 ON DELETE CASCADE ON UPDATE CASCADE</pre>
2	Bukti hasil alter table membuat relasi antara table mhs dengan table program_studi	
3	Query alter table membuat relasi antara table mata_kuliah dengan table program_studi	<pre>1 ALTER TABLE mata_kuliah 2 ADD CONSTRAINT fk_nama_prodi FOREIGN KEY(nama_prodi) 3 REFERENCES program_studi(nama_prodi) 4 ON DELETE CASCADE ON UPDATE CASCADE</pre>

4	Bukti hasil alter table membuat relasi antara table mata_kuliah dengan table program_studi	<p>✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)</p> <pre>ALTER TABLE mata_kuliah ADD CONSTRAINT fk_nama_prodi FOREIGN KEY(nama_prodi) REFERENCES program_studi(nama_prodi) ON DELETE CASCADE ON UPDATE CASCADE;</pre> <p>[Edit inline] [Edit] [Create PHP code]</p>
5	Query alter table membuat relasi antara table mata_kuliah dengan table dosen	<pre>1 ALTER TABLE mata_kuliah 2 ADD CONSTRAINT fk_nip FOREIGN KEY(nip) 3 REFERENCES dosen(nip) 4 ON DELETE CASCADE ON UPDATE CASCADE</pre>
6	Bukti hasil alter table membuat relasi antara table mata_kuliah dengan table dosen	<p>✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)</p> <pre>ALTER TABLE mata_kuliah ADD CONSTRAINT fk_nip FOREIGN KEY(nip) REFERENCES dosen(nip) ON DELETE CASCADE ON UPDATE CASCADE;</pre> <p>[Edit inline] [Edit] [Create PHP code]</p>
7	Query alter table membuat relasi antara table mhs dengan table akun	<pre>1 ALTER TABLE akun 2 ADD CONSTRAINT fk_nim FOREIGN KEY (nim) 3 REFERENCES mhs (nim) 4 ON DELETE CASCADE ON UPDATE CASCADE</pre>
8	Bukti hasil alter table membuat relasi antara table mhs dengan table akun	<p>✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)</p> <pre>ALTER TABLE akun ADD CONSTRAINT fk_nim FOREIGN KEY (nim) REFERENCES mhs (nim) ON DELETE CASCADE ON UPDATE CASCADE;</pre> <p>[Edit inline] [Edit] [Create PHP code]</p>



POLITEKNIK NEGERI JEMBER
JURUSAN TEKNOLOGI INFORMASI
PROGRAM STUDI D4 TEKNIK INFORMATIKA

LEMBAR KERJA MAHASISWA

Materi Pembelajaran : Data Definition Language (DDL) / Create Database dan Tabel

IDENTITAS MAHASISWA

Nama/NIM/Kelas	Roby Julian Candra / E41230403 / A
Pertemuan	6
Acara	22
Hari/Tanggal	28 / 9 / 2023

BAHAN DAN LANGKAH KERJA

13. Bacalah dengan seksama dasar teori yang terdapat pada BKPM acara ke-17
14. Perhatikan studi kasus terkait "akademik" di bagian prosedur kerja.
15. Kerjakan prosedur kerja dengan baik.
16. Tuliskan hasil pengerjaan prosedur kerja pada lembar hasil kerja berikut.

HASIL KERJA

No	Langkah Kerja	Tampilan Hasil
1	Query alter table membuat relasi antara faktur pembelian dengan table supplier	<pre>1 ALTER TABLE `faktur_pembelian` DROP FOREIGN KEY `faktur_pembelian_ibfk_1`; 2 ALTER TABLE `faktur_pembelian` ADD CONSTRAINT `faktur_pembelian_ibfk_1` FOREIGN KEY (`nama_supplier`) REFERENCES `supplier` (`kode_supplier`) 3 ON DELETE CASCADE ON UPDATE CASCADE;</pre>
2	Bukti hasil alter table membuat relasi antara table faktur pembelian dengan table supplier	<p>Your SQL query has been executed successfully.</p> <pre>ALTER TABLE `faktur_pembelian` DROP FOREIGN KEY `faktur_pembelian_ibfk_1`; ALTER TABLE `faktur_pembelian` ADD CONSTRAINT `faktur_pembelian_ibfk_1` FOREIGN KEY (`nama_supplier`) REFERENCES `supplier` (`kode_supplier`) ON DELETE CASCADE ON UPDATE CASCADE;</pre> <p>[Edit inline] [Edit] [Create PHP code]</p>
3	Query alter table membuat relasi antara table detail_pembelian dengan faktur_pembelian	<pre>1 ALTER TABLE `faktur_pembelian` DROP FOREIGN KEY `faktur_pembelian_ibfk_1`; 2 ALTER TABLE `faktur_pembelian` ADD CONSTRAINT `faktur_pembelian_ibfk_1` FOREIGN KEY (`nama_supplier`) REFERENCES `supplier` (`kode_supplier`) 3 ON DELETE CASCADE ON UPDATE CASCADE;</pre>
4	Bukti hasil alter table membuat relasi antara table detail_pembelian dengan faktur_pembelian	<p>Your SQL query has been executed successfully.</p> <pre>ALTER TABLE `faktur_pembelian` DROP FOREIGN KEY `faktur_pembelian_ibfk_1`; ALTER TABLE `faktur_pembelian` ADD CONSTRAINT `faktur_pembelian_ibfk_1` FOREIGN KEY (`nama_supplier`) REFERENCES `supplier` (`kode_supplier`) ON DELETE CASCADE ON UPDATE CASCADE;</pre> <p>[Edit inline] [Edit] [Create PHP code]</p>

5	Query alter table membuat relasi antara table detail_pembelian dengan table faktur_pembelian	<pre> 1 ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_1`; 2 ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_1` FOREIGN KEY (`no_faktur`) REFERENCES `faktur_pembelian` (`no_faktur`) 3 ON DELETE CASCADE ON UPDATE CASCADE; 4 ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_2`; 5 ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_2` FOREIGN KEY (`no_faktur`) REFERENCES `faktur_pembelian` (`no_faktur`) 6 ON DELETE CASCADE ON UPDATE CASCADE; 7 ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_3`; 8 ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_3` FOREIGN KEY (`no_faktur`) REFERENCES `faktur_pembelian` (`no_faktur`) 9 ON DELETE CASCADE ON UPDATE CASCADE; 10 ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_4`; 11 ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_4` FOREIGN KEY (`kode_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) ON DELETE CASCADE ON UPDATE CASCADE </pre>
6	Bukti hasil alter table membuat relasi antara table detail_pembelian dengan table faktur_pembelian	<pre> ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_1`; ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_1` FOREIGN KEY (`no_faktur`) REFERENCES `faktur_pembelian` (`no_faktur`) ON DELETE CASCADE ON UPDATE CASCADE; ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_2`; ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_2` FOREIGN KEY (`no_faktur`) REFERENCES `faktur_pembelian` (`no_faktur`) ON DELETE CASCADE ON UPDATE CASCADE; ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_3`; ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_3` FOREIGN KEY (`no_faktur`) REFERENCES `faktur_pembelian` (`no_faktur`) ON DELETE CASCADE ON UPDATE CASCADE; ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_4`; ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_4` FOREIGN </pre>
7	Query alter table membuat relasi antara table detail_pembelian dengan table pupuk	<pre> 1 ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_4`; 2 ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_4` FOREIGN KEY (`kode_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) 3 ON DELETE CASCADE ON UPDATE CASCADE; </pre>
8	Bukti hasil alter table membuat relasi antara table detail_pembelian dengan table pupuk	<p>Your SQL query has been executed successfully.</p> <pre> ALTER TABLE `detail_pembelian` DROP FOREIGN KEY `detail_pembelian_ibfk_4`; ALTER TABLE `detail_pembelian` ADD CONSTRAINT `detail_pembelian_ibfk_4` FOREIGN KEY (`kode_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) ON DELETE CASCADE ON UPDATE CASCADE; </pre> <p>[Edit view] [Edit] [Create PHP code]</p>
9	Query alter table membuat relasi antara table detail_penjualan dengan table pupuk	<pre> 3 ALTER TABLE `detail_penjualan` DROP FOREIGN KEY `detail_penjualan_ibfk_2`; 4 ALTER TABLE `detail_penjualan` ADD CONSTRAINT `detail_penjualan_ibfk_2` FOREIGN KEY (`kode_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) ON DELETE CASCADE ON UPDATE CASCADE; </pre>
10	Bukti hasil alter table membuat relasi antara table detail_penjualan dengan table pupuk	<p>✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds)</p> <pre> ALTER TABLE `detail_penjualan` DROP FOREIGN KEY `detail_penjualan_ibfk_2`; </pre> <p>[Edit view] [Edit] [Create PHP code]</p> <p>✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds)</p> <pre> ALTER TABLE `detail_penjualan` ADD CONSTRAINT `detail_penjualan_ibfk_2` FOREIGN KEY (`kode_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) ON DELETE CASCADE ON UPDATE CASCADE; </pre> <p>[Edit view] [Edit] [Create PHP code]</p>
11	Query alter table membuat relasi antara table detail_penjualan	<pre> 1 ALTER TABLE `detail_penjualan` DROP FOREIGN KEY `detail_penjualan_ibfk_1`; 2 ALTER TABLE `detail_penjualan` ADD CONSTRAINT `detail_penjualan_ibfk_1` FOREIGN KEY (`no_bon`) REFERENCES `bon_penjualan` (`no_bon`) ON DELETE CASCADE ON UPDATE CASCADE; </pre>

	dengan table bon_penjualan	
12	Bukti hasil alter table membuat relasi antara table detail_penjualan dengan table bon_penjualan	<pre> ✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds) ALTER TABLE `detail_penjualan` DROP FOREIGN KEY `detail_penjualan_ibfk_3`; [Edit table] [Edit] [Create PHP code] ✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds) ALTER TABLE `detail_penjualan` ADD CONSTRAINT `detail_penjualan_ibfk_5` FOREIGN KEY (`no_bon`) REFERENCES `bon_penjualan` (`no_bon`) ON DELETE CASCADE ON UPDATE CASCADE; [Edit table] [Edit] [Create PHP code] </pre>
13	Query alter table membuat relasi antara table bon_penjualan dengan table pupuk	<pre> 1 ALTER TABLE `bon_penjualan` DROP FOREIGN KEY `bon_penjualan_ibfk_1`; 2 ALTER TABLE `bon_penjualan` ADD CONSTRAINT `bon_penjualan_ibfk_1` FOREIGN KEY (`nama_jenis_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) ON DELETE CASCADE ON UPDATE CASCADE; 3 </pre>
14	Bukti hasil alter table membuat relasi antara table bon_penjualan dengan table pupuk	<pre> ✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds) ALTER TABLE `bon_penjualan` DROP FOREIGN KEY `bon_penjualan_ibfk_1`; [Edit table] [Edit] [Create PHP code] ✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0005 seconds) ALTER TABLE `bon_penjualan` ADD CONSTRAINT `bon_penjualan_ibfk_1` FOREIGN KEY (`nama_jenis_pupuk`) REFERENCES `pupuk` (`kode_pupuk`) ON DELETE CASCADE ON UPDATE CASCADE; [Edit table] [Edit] [Create PHP code] </pre>
15	Query alter table membuat relasi antara table bon_penjualan dengan table anggota_koperasi	<pre> 5 ALTER TABLE `bon_penjualan` DROP FOREIGN KEY `bon_penjualan_ibfk_2`; 6 ALTER TABLE `bon_penjualan` ADD CONSTRAINT `bon_penjualan_ibfk_2` FOREIGN KEY (`nama_anggota`) REFERENCES `anggota_koperasi` (`no_anggota`) ON DELETE CASCADE ON UPDATE CASCADE; 7 </pre>
16	Bukti hasil alter table membuat relasi antara table bon_penjualan dengan table anggota_koperasi	<pre> ✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0003 seconds) ALTER TABLE `bon_penjualan` DROP FOREIGN KEY `bon_penjualan_ibfk_2`; [Edit table] [Edit] [Create PHP code] ✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0004 seconds) ALTER TABLE `bon_penjualan` ADD CONSTRAINT `bon_penjualan_ibfk_2` FOREIGN KEY (`nama_anggota`) REFERENCES `anggota_koperasi` (`no_anggota`) ON DELETE CASCADE ON UPDATE CASCADE; [Edit table] [Edit] [Create PHP code] </pre>

Acara 23

Materi Pembelajaran : Data Definition Language (DDL) / Alter Table

Acara Praktikum/Praktik : Minggu 6 / 23

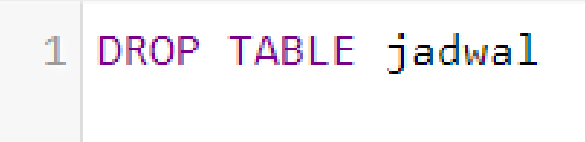
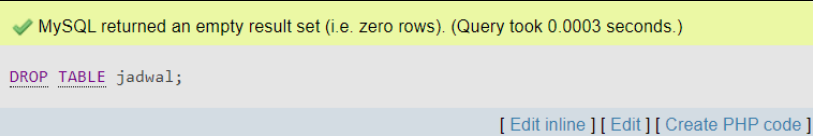

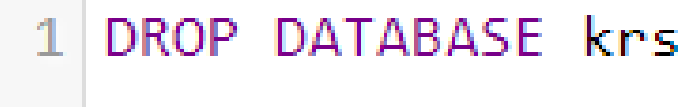
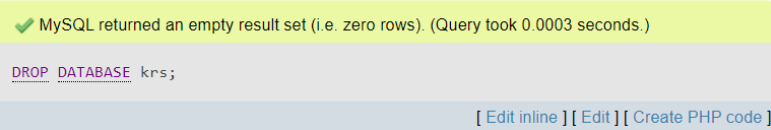
Tempat : Laboratorium Jurusan Teknologi Informasi,

Politeknik Negeri Jember

Alokasi Waktu : 100 menit

		POLITEKNIK NEGERI JEMBER JURUSAN TEKNOLOGI INFORMASI PROGRAM STUDI D4 TEKNIK INFORMATIKA	
LEMBAR KERJA MAHASISWA			
Materi Pembelajaran : Data Definition Language (DDL) / Create Database dan Tabel			
IDENTITAS MAHASISWA			
Nama/NIM/Kelas	Roby Julian Candra / E41230403 / A		
Pertemuan	6		
Acara	23		
Hari/Tanggal	28 / 9 / 2023		
BAHAN DAN LANGKAH KERJA			
17. Bacalah dengan seksama dasar teori yang terdapat pada BKPM acara ke-17 18. Perhatikan studi kasus terkait "akademik" di bagian prosedur kerja. 19. Kerjakan prosedur kerja dengan baik. 20. Tuliskan hasil pengerjaan prosedur kerja pada lembar hasil kerja berikut.			
HASIL KERJA			
No	Langkah Kerja	Tampilan Hasil	
1	Buka database akademik yang telah dibuat		
2	Query drop table dosen	<pre>1 DROP TABLE dosen</pre>	

3	Bukti hasil drop table dosen	<p>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)</p> <p><code>DROP TABLE dosen;</code></p> <p>[Edit inline] [Edit] [Create PHP code]</p>
4	Hasil show table	<p>Your SQL query has been executed successfully.</p> <p><code>SHOW TABLES;</code></p> <p><input type="checkbox"/> Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]</p> <p>Extra options</p> <p>Tables_in_akademik</p> <p>akun</p> <p>mata_kuliah</p> <p>mhs</p> <p>program_studi</p>
5	Query drop table akun	<pre>1 DROP TABLE akun</pre>
6	Bukti hasil drop table akun	<p>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)</p> <p><code>DROP TABLE akun;</code></p> <p>[Edit inline] [Edit] [Create PHP code]</p>
7	Hasil show table	<p>Your SQL query has been executed successfully.</p> <p><code>show TABLES;</code></p> <p><input type="checkbox"/> Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]</p> <p>Extra options</p> <p>Tables_in_akademik</p> <p>mata_kuliah</p> <p>mhs</p> <p>program_studi</p>
8	Query drop database akademik	<pre>1 DROP DATABASE akademik</pre>
9	Bukti hasil drop database	<p>✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)</p> <p><code>DROP DATABASE akademik;</code></p> <p>[Edit inline] [Edit] [Create PHP code]</p>
10	Hasil show databases	<p>Your SQL query has been executed successfully.</p> <p><code>SHOW DATABASES;</code></p> <p><input type="checkbox"/> Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]</p> <p>Extra options</p> <p>Database</p> <p>calo</p> <p>information_schema</p> <p>krs</p> <p>mysql</p> <p>performance_schema</p> <p>phpmyadmin</p>

11	Query drop table pada salah satu table master di studi kasus KRS	
12	Bukti hasil drop table	
13	Hasil show table	
14	Query drop database pada studi kasus KRS	
15	Bukti hasil drop database	
16	Hasil show databases	