

LAPORAN PRAKTIKUM (PART 1)

Pertemuan Ke : 4

PEMROGRAMAN BASIS DATA



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PROGRAM STUDI TEKNOLOGI REKAYASA PERANGKAT LUNAK

JURUSAN TEKNIK INFORMATIKA

POLITEKNIK NEGERI BATAM

2024

1. Tugas Praktikum

Tabel 1. Tabel Penjualan Barang → (tb_penjualan_brg)

Kode_buku	Jenis_Buku	Nama_buku	Harga	Stok
NVL447	Novel	Bumi Manusia	53500	10
NVL777	Novel	Laskar Pelangi	62200	15
TKS342	Teks	Matematika Diskrit	80500	9
KMK123	Komik	Naruto vol. 60	25500	1
KMK333	Komik	HxH vol. 12	24250	5
TKS778	Teks	Java Mobile	150000	1
KMS333	Kamus	Kamus Bhs Inggris	35000	18

Tabel 2. Tabel Matakuliah → (tb_matkul)

kode_mk	nama_mk	Sks	semester
PTI447	Praktikum Basis Data	1	3
TIK342	Praktikum Basis Data	1	3
PTI333	Basis Data Terdistribusi	3	5
TIK123	Jaringan Komputer	2	5
TIK333	Sistem Operasi	3	5
PTI123	Grafika Komputer	3	5
PTI777	Sistem Informasi	2	3

1. Berikut adalah jawaban dari nomor 1:

Showing rows 0 - 4 (5 total, Query took 0.0247 seconds.)

```
SELECT jenis_buku, MIN(harga) AS harga_termurah FROM tb_penjualan_brg GROUP BY jenis_buku;
```

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

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

Extra options

	jenis_buku	harga_termurah
<input type="checkbox"/> Edit Copy Delete	Komik	25500
<input type="checkbox"/> Edit Copy Delete	Komis	24250
<input type="checkbox"/> Edit Copy Delete	Kamus	35000
<input type="checkbox"/> Edit Copy Delete	Novel	53500
<input type="checkbox"/> Edit Copy Delete	Teks	80500

☐ Check all
 With selected:
 ☐ Edit
 ☐ Copy
 ☐ Delete
 ☐ Export

2. Berikut adalah jawaban dari nomor 2:

Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)

```
SELECT jenis_buku, SUM(stok) AS jumlah_stok FROM tb_penjualan_brg WHERE stok < 10 GROUP BY jenis_buku;
```

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

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

Extra options

	jenis_buku	jumlah_stok
<input type="checkbox"/> Edit Copy Delete	Komik	1
<input type="checkbox"/> Edit Copy Delete	Komis	5
<input type="checkbox"/> Edit Copy Delete	Teks	10

↑ ☐ Check all With selected: Edit Copy Delete Export

3. Berikut adalah jawaban dari nomor 3:

Your SQL query has been executed successfully.

```
SELECT COUNT(DISTINCT nama_mk) AS Jumlah_Matkul FROM tb_matkul;
```

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

Extra options

Jumlah_Matkul
6

4. Berikut adalah jawaban dari nomor 4:

Showing rows 0 - 0 (1 total, Query took 0.0154 seconds.)

```
SELECT SUM(Sks) AS Total_SKS FROM tb_matkul WHERE kode_mk NOT LIKE 'PTI%';
```

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

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

Extra options

Total_SKS
6