

LAPORAN PRAKTIKUM

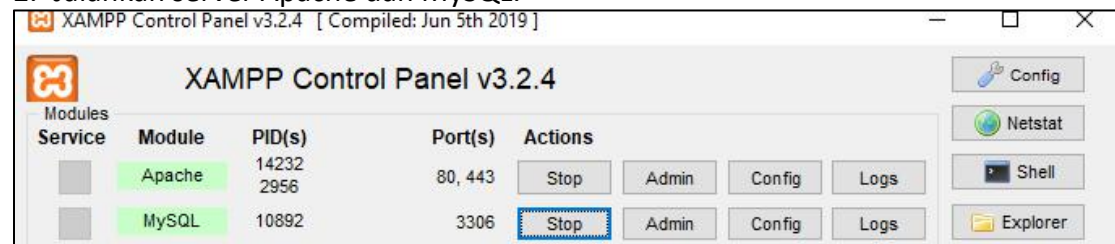
SISTEM BASIS DATA

MODUL 10. SUB QUERY

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Kelas : A

D. Langkah Praktikum

1. Jalankan XAMPP Control Panel.
2. Jalankan server Apache dan MySQL.



3. Buka Command Prompt dan login sebagai root ke MySQL.

```
Microsoft Windows [Version 10.0.18363.720]
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C:\Users\Hadid Aldio I>cd\

C:\>cd xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.11-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

4. Pilih database perbankan.

```
MariaDB [(none)]> use perbankan;
Database changed
```

5. Tampilkan detail nasabah yang pernah melakukan transaksi kredit.

```
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nasabah.id_nasabah IN(SELECT DIST.
NCT
-> transaksi.id_nasabahFK FROM transaksi WHERE jenis_transaksi='kredit');
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl.Jenderal Sudirman 12 |
| 2 | Maryati | Jl.Mt.Haryono 31 |
| 3 | Superman | Jl.Hasanudin 81 |
| 4 | Kartika Padmasari | Jl.Manggis 15 |
| 5 | Budi Eko Prayogo | Jl.Kantil 31 |
| 9 | Canka Lokanata | Jl.Tidar 86 |
+-----+-----+-----+
6 rows in set (0.048 sec)
```

6. Tampilkan detail nasabah yang tidak pernah melakukan segala transaksi.

```
MariaDB [perbankan]> SELECT * FROM nasabah WHERE nasabah.id_nasabah NOT IN(SELECT DISTINCT
-> transaksi.id_nasabahFK FROM transaksi);
```

id_nasabah	nama_nasabah	alamat_nasabah
6	Satria Eka Jaya	Jl.Slamet Riyadi 45
8	Sari Murti	Jl.Pangandaran 11
11	Hadid Aldio Indratama	Wonogiri

```
3 rows in set (0.001 sec)
```

7. Tampilkan cabang bank yang memiliki nilai rata-rata saldo paling besar untuk seluruh rekening.

```
MariaDB [perbankan]> SELECT cabang_bank.kode_cabang, cabang_bank.nama_cabang, AVG(rekening.saldo) as
-> Rata2 FROM cabang_bank, rekening
-> WHERE cabang_bank.kode_cabang=rekening.kode_cabangFK
-> GROUP BY cabang_bank.kode_cabang HAVING Rata2>=ALL(SELECT AVG(saldo) FROM
-> rekening GROUP BY kode_cabangFK);
```

kode_cabang	nama_cabang	Rata2
BRUB	Bank Rut Unit Boyolali	2500000.0000

```
1 row in set (0.021 sec)
```

8. Tampilkan data transaksi yang melibatkan jumlah uang lebih besar dari rata-rata nilai keseluruhan.

```
MariaDB [perbankan]> SELECT * FROM transaksi WHERE jumlah>(SELECT AVG(jumlah)FROM transaksi);
```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal
6	1	104	kredit	2009-11-15 00:00
7	9	110	kredit	2009-11-15 00:00
10	4	107	debit	2009-11-19 00:00
11	2	103	debit	2009-11-19 00:00
13	4	107	kredit	2009-11-20 00:00
15	1	104	kredit	2009-11-22 00:00

