



Jurusan Teknologi Informasi Politeknik Negeri Malang

## Mata Kuliah Basis Data Lanjutan

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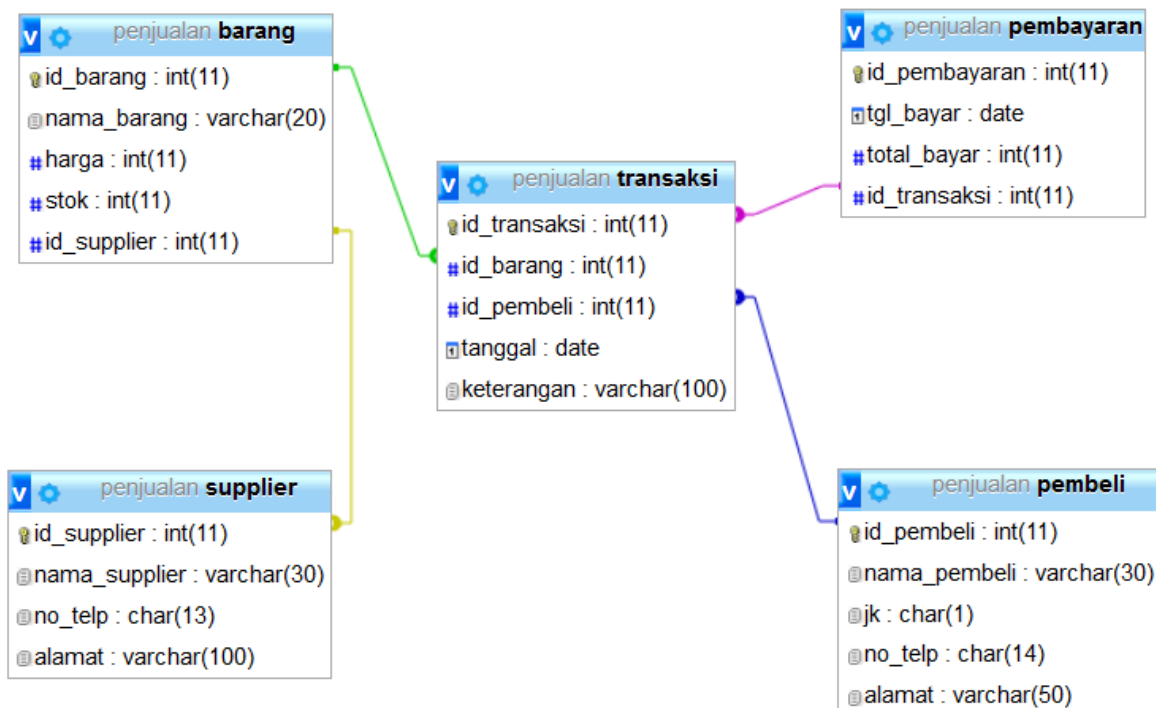
## Laporan Praktikum Basis Data (Sistem Perpustakaan)

Kelas: D4 Teknik Informatika (2G)

### Nama Anggota Kelompok:

1. Agung Malik Al Qindy (01)
2. Arainal Aldiansyah (05)
3. Mukhamad Faruq Al Fahmi (23)
4. Rizki Rohmatul Huda (26)
5. Zhubair Abhel Frisky M.Z. (30)

## Laporan Praktikum Basis Data (Sistem Perpustakaan)



## 1. Source Code View and Join

CREATE VIEW Keterangan\_Lunas AS SELECT barang.nama\_barang, pembeli.nama\_pembeli, transaksi.tanggal, transaksi.keterangan from transaksi JOIN pembeli ON transaksi.id\_pembeli = pembeli.id\_pembeli JOIN barang on transaksi.id\_barang = barang.id\_barang WHERE transaksi.keterangan = "Lunas";

SELECT \* FROM keterangan\_lunas;

View:

The screenshot shows the Visual Studio Code interface with a MySQL database connection. The left sidebar displays the database schema, including tables like 'transaksi' and 'pembeli'. The main editor shows the following SQL code:

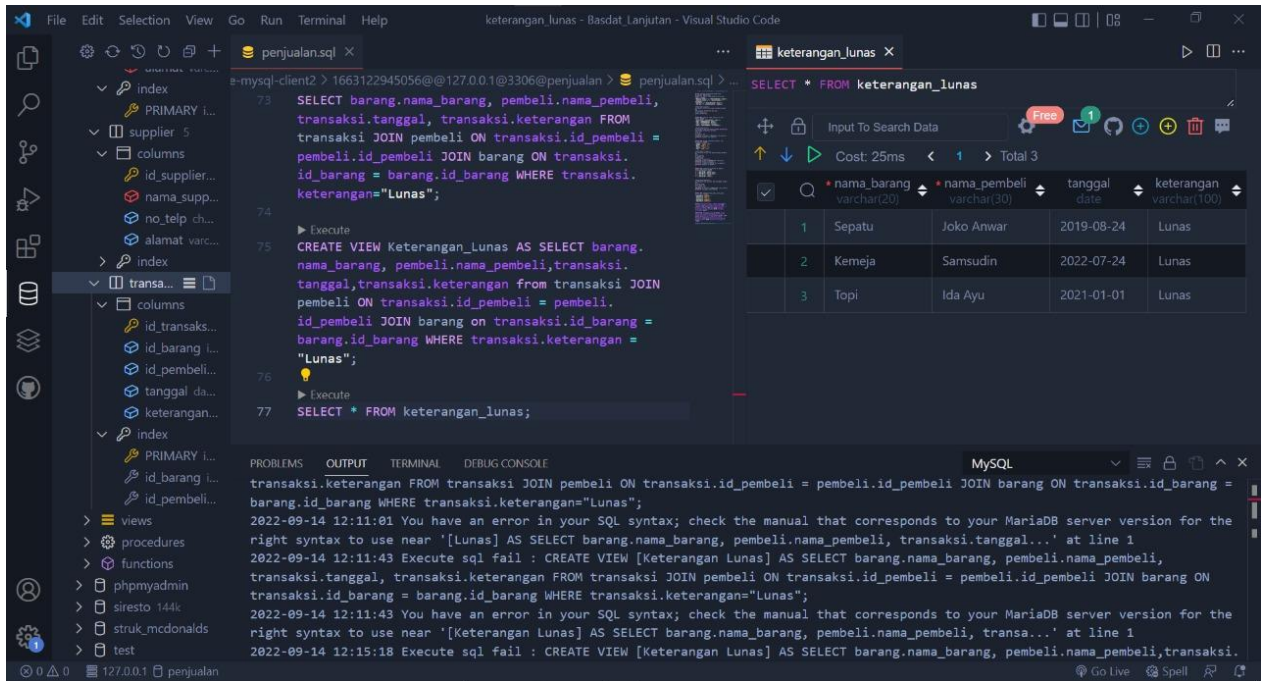
```
73 SELECT barang.nama_barang, pembeli.nama_pembeli,
74 transaksi.tanggal, transaksi.keterangan FROM
75 transaksi JOIN pembeli ON transaksi.id_pembeli =
76 pembeli.id_pembeli JOIN barang ON transaksi.
77 id_barang = barang.id_barang WHERE transaksi.
78 keterangan="Lunas";
79
80 CREATE VIEW Keterangan_Lunas AS SELECT barang.
81 nama_barang, pembeli.nama_pembeli, transaksi.
82 tanggal, transaksi.keterangan from transaksi JOIN
83 pembeli ON transaksi.id_pembeli = pembeli.
84 id_pembeli JOIN barang on transaksi.id_barang =
85 barang.id_barang WHERE transaksi.keterangan =
86 "Lunas";
87
88 SELECT * FROM keterangan_lunas;
```

The right sidebar shows the execution results of the query. The cost is 25ms, and there are 1 row(s) returned. The results are displayed in a table:

	nama_barang	nama_pembeli	tanggal	keterangan
1	Sepatu	Joko Anwar	2019-08-24	Lunas
2	Kemeja	Samsudin	2022-07-24	Lunas
3	Topi	Ida Ayu	2021-01-01	Lunas

The bottom panel shows the MySQL command history, including the execution of the query and the creation of the view.

Join:



## 2. Source Code Trigger

UPDATE barang set stok = stok + NEW.stok WHERE id\_barang = new.id\_barang;

Screen Shoot

a. Program

Detail

Nama trigger

beli

Tabel

beli

Waktu

AFTER

Kejadian

INSERT

1 UPDATE barang set stok = stok +  
NEW.stok WHERE id\_barang =  
new.id\_barang

b. Output

Server: 127.0.0.1 » Database: penjualan » Tabel: beli

Jelajahi Struktur SQL Cari Tambahkan Ekspor Impor Hak Akses Operasi Trigger

Trigger

Nama	Tindakan	Waktu	Kejadian
<input type="checkbox"/> beli	Ubah  Ekspor  Hapus	AFTER	INSERT

☐ Pilih Semua Dengan pilihan: Ekspor Hapus