

LAUNDRY DRY & CLEAN

TIM CERIA

LATAR BELAKANG DAN TUJUAN

- Masalah: Sistem pencatatan transaksi laundry yang masih manual menyebabkan risiko kehilangan data, kesulitan dalam menghitung rekap pendapatan, dan ketidakakuratan stok atau status cuci.
- Tujuan: Merancang basis data terintegrasi untuk mengelola data pelanggan, jenis layanan, dan transaksi secara akurat, serta mempercepat proses pembuatan laporan keuangan laundry.



Alfian Hafidz
Affandi



Yoga Rafi
Arifianto



Iman Septian

QUERY PENTING

JOIN

```
FROM transaksi t
JOIN customer c ON t.id_customer = c.id_customer
JOIN kasir k ON t.id_kasir = k.id_kasir
JOIN detail_transaksi dt ON dt.id_transaksi = dt.id_transaksi
JOIN layanan l ON dt.id_layanan = l.id_layanan;
```

GROUP BY

```
GROUP BY l.jenis_laundry;
GROUP BY c.nama_customer;
```

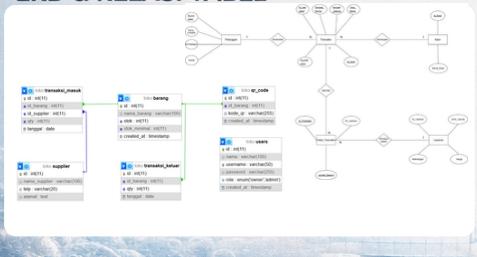
FUNGSI AGREGASI

```
SUM(dt.jumlah_barang) as total_qty_terjual,
SUM(dt.subtotal) as total_pendapatan;
```

KLAUSA HAVING

```
HAVING total_belanja > 20000;
```

ERD & RELASI TABEL



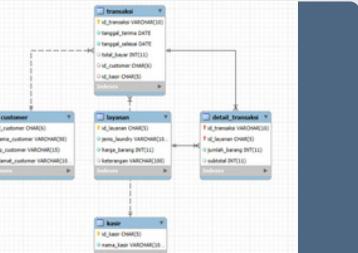
dosen pengampu Ridwan Dwi Irawan, M.Kom



<https://github.com/alfalfiannn/final-project-pbd-laundry>



BUKTI IMPLEMENTASI DBMS



Hasil Query GROUP BY



Hasil Query HAVING COUNT



Hasil Query JOIN

CUPLIKAN SQL

DDL

```
CREATE TABLE kasir (
    id_kasir CHAR(5) PRIMARY KEY,
    nama_kasir VARCHAR(100) NOT NULL
);
```

DML

```
INSERT INTO kasir (id_kasir, nama_kasir) VALUES
('KS001', 'Budi Santoso'),
('KS002', 'Rina Wati');
```

TCL

```
START TRANSACTION;
COMMIT;
```



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