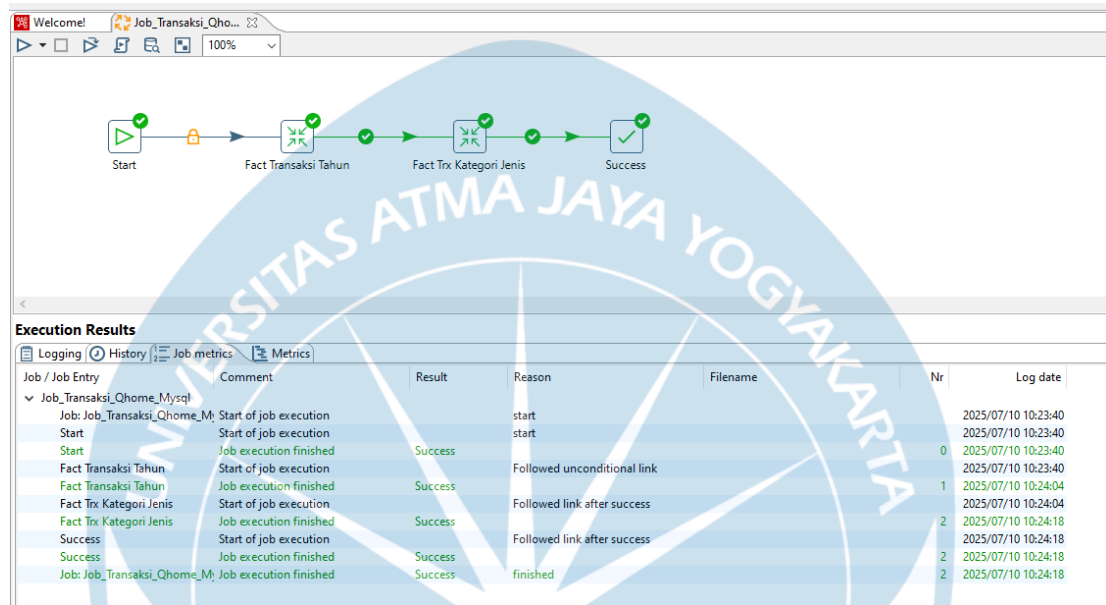
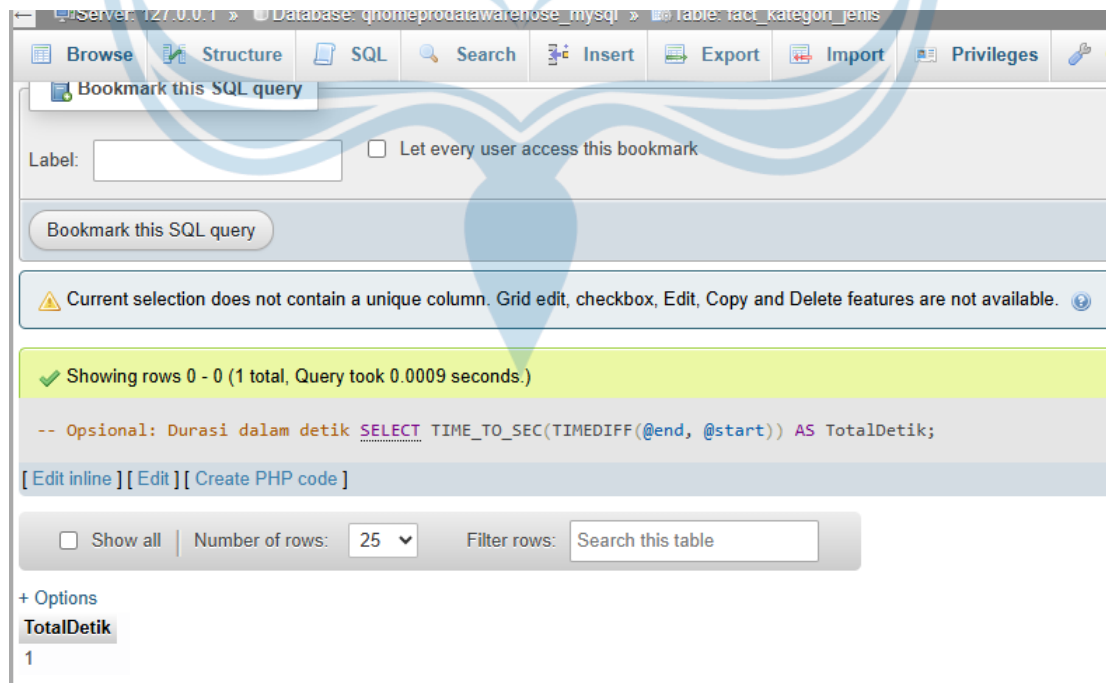


Lampiran

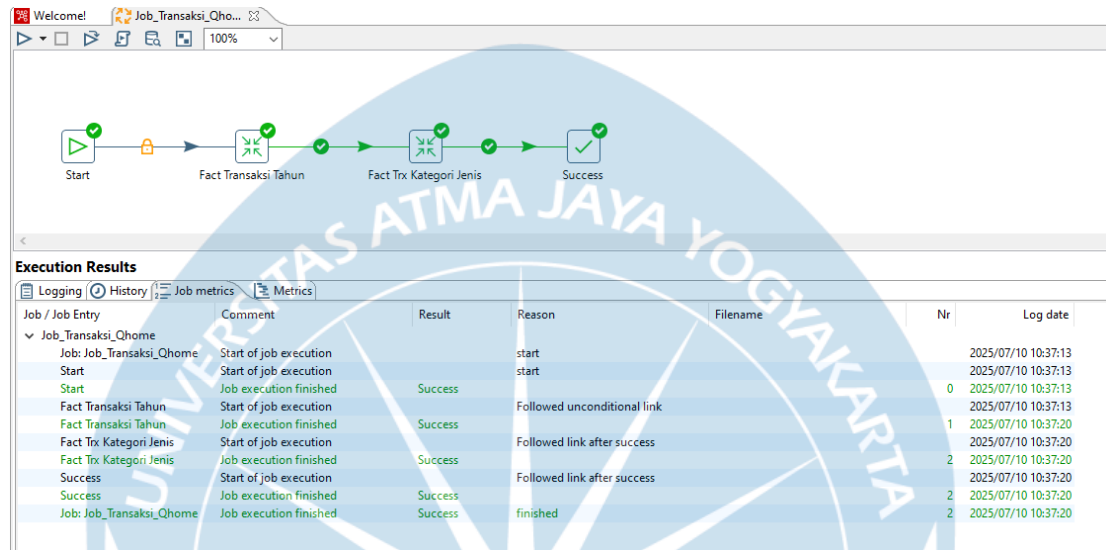
Mysql – ETL



Mysql – Query Visualisasi Data



MariaDB – ETL



MariaDB – Query Visualisasi Data

The screenshot shows a SQL IDE with a query script and its results. The script includes comments and SQL statements for data visualization and timing.

```

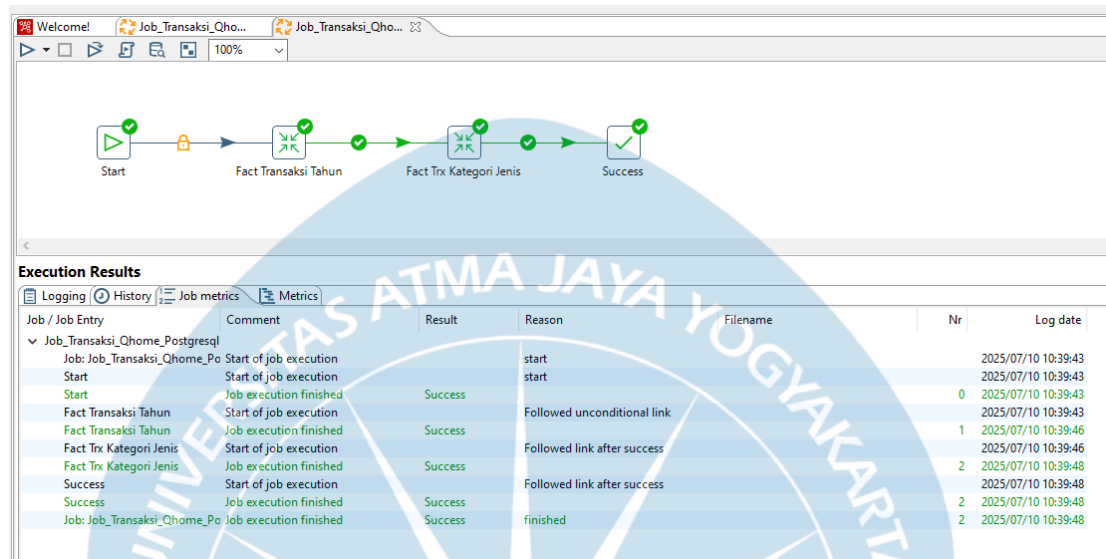
49
50 -- # DATATABLE FACT_JENIS
51 SELECT NamaJenis, JumlahTransaksiJenis, Tahun
52 FROM fact_kategori_jenis;
53
54 -- # BAR JENIS BARANG
55 SELECT NamaJenis, JumlahTransaksiJenis, Tahun
56 FROM fact_kategori_jenis
57 ORDER BY JumlahTransaksiJenis DESC
58 LIMIT 30;
59
60 -- Catat waktu selesai
61 SET @end := NOW();
62
63 -- Hitung total durasi (format waktu)
64 SELECT TIMEDIFF(@end, @start) AS TotalWaktuEksekusi;
65

```

The results pane shows a single row with the value '4' for 'TotalDetik'.

TotalDetik
4

PostgreSQL – ETL



PostgreSQL – Query Visualisasi Data

```

console [qhomepro-...awarehouse] x console_1 [qhomepro-...postgresql]
1 00 $$
2 DECLARE
3     start_time TIMESTAMPT;
4     end_time TIMESTAMPT;
5     duration INTERVAL;
6 BEGIN
7     -- Waktu mulai
8     start_time := clock_timestamp();
9
10    -- Eksekusi semua query
11    PERFORM NamaBarang FROM qhomepro_datawarehouse_postgresql.fact_transaksi_tahun ORDER BY
12    PERFORM nama_jenis FROM qhomepro_datawarehouse_postgresql.fact_kategori_jenis ORDER BY
13    PERFORM kategori_name FROM qhomepro_datawarehouse_postgresql.fact_kategori_jenis ORDER
14    PERFORM NamaBarang, JumlahTransaksi, Tahun FROM qhomepro_datawarehouse_postgresql.fact_
15    PERFORM * FROM qhomepro_datawarehouse_postgresql.fact_transaksi_tahun ORDER BY JumlahTr
16    PERFORM MerkBarang, JumlahTransaksi, Tahun FROM qhomepro_datawarehouse_postgresql.fact_
17    PERFORM kategori_name, jumlah_transaksi_kategori, Tahun FROM qhomepro_datawarehouse_pos

    -- Tampilkan hasil
    RAISE NOTICE 'Total Waktu Eksekusi: %', duration;
END $$
[2025-07-10 10:38:58] [00000] Total Waktu Eksekusi: 00:00:00.100054
[2025-07-10 10:38:58] completed in 110 ms

```