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-- ANALITIK FARMASI RS - BIGQUERY 2023

-- Project: ardent-kite-457806

-- Dataset: FARMASI

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-- 1. Total Nilai Persediaan per Bulan (FIFO)

SELECT

FORMAT\_DATE('%Y-%m', DATE(tanggal)) AS bulan,

SUM(total\_harga\_beli) AS total\_nilai\_persediaan\_beli,

SUM(total\_harga\_jual) AS total\_nilai\_persediaan\_jual

FROM

`ardent-kite-457806.FARMASI.Persediaan`

GROUP BY

bulan

ORDER BY

bulan;

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-- 2. Total Pemakaian Obat Rawat Inap per Bulan

SELECT

FORMAT\_DATE('%Y-%m', DATE(tanggal)) AS bulan,

SUM(jumlah\_pemakaian) AS total\_unit\_dipakai,

SUM(total\_pemakaian\_rp) AS total\_biaya\_pemakaian

FROM

`ardent-kite-457806.FARMASI.Pemakaian`

GROUP BY

bulan

ORDER BY

bulan;

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-- 3. Total Penjualan Obat Rawat Jalan per Bulan

SELECT

FORMAT\_DATE('%Y-%m', DATE(tanggal)) AS bulan,

SUM(jumlah\_penjualan) AS total\_unit\_terjual,

SUM(total\_penjualan\_rp) AS total\_pendapatan\_penjualan

FROM

`ardent-kite-457806.FARMASI.Penjualan`

GROUP BY

bulan

ORDER BY

bulan;

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-- 4. Perbandingan Pemakaian vs Penjualan per Obat

WITH pemakaian AS (

SELECT

kode\_obat,

SUM(jumlah\_pemakaian) AS total\_pemakaian\_unit

FROM

`ardent-kite-457806.FARMASI.Pemakaian`

GROUP BY

kode\_obat

),

penjualan AS (

SELECT

kode\_obat,

SUM(jumlah\_penjualan) AS total\_penjualan\_unit

FROM

`ardent-kite-457806.FARMASI.Penjualan`

GROUP BY

kode\_obat

)

SELECT

p.kode\_obat,

p.total\_pemakaian\_unit,

j.total\_penjualan\_unit

FROM

pemakaian p

JOIN

penjualan j

ON

p.kode\_obat = j.kode\_obat;

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-- 5. Estimasi Laba Kotor per Obat

SELECT

s.kode\_obat,

s.nama\_obat,

SUM(s.total\_penjualan\_rp) AS total\_penjualan,

IFNULL(u.total\_biaya, 0) AS total\_biaya,

(SUM(s.total\_penjualan\_rp) - IFNULL(u.total\_biaya, 0)) AS estimasi\_laba\_kotor

FROM

`ardent-kite-457806.FARMASI.Penjualan` s

LEFT JOIN (

SELECT

kode\_obat,

SUM(total\_pemakaian\_rp) AS total\_biaya

FROM

`ardent-kite-457806.FARMASI.Pemakaian`

GROUP BY

kode\_obat

) u

ON

s.kode\_obat = u.kode\_obat

GROUP BY

s.kode\_obat, s.nama\_obat, u.total\_biaya

ORDER BY

estimasi\_laba\_kotor DESC;