SELECT a.transaction\_id ,a.date,a.branch\_id,b.branch\_name,b.kota,b.provinsi,b.rating,a.customer\_name,a.product\_id,c.product\_name,c.price,a.discount\_percentage

FROM

  `rakamin-kf-analytics-448814.kimia\_farma.kf\_final\_transaction` as a

join `rakamin-kf-analytics-448814.kimia\_farma.kf\_kantor\_cabang` as b on a.branch\_id=b.branch\_id

join`rakamin-kf-analytics-448814.kimia\_farma.kf\_product` as c on a.product\_id=c.product\_id

union all

SELECT a.transaction\_id ,a.date,a.branch\_id,b.branch\_name,b.kota,b.provinsi,b.rating,a.customer\_name,a.product\_id,c.product\_name,c.price,a.discount\_percentage

FROM

  `rakamin-kf-analytics-448814.kimia\_farma.kf\_final\_transaction` as a

join `rakamin-kf-analytics-448814.kimia\_farma.kf\_kantor\_cabang` as b on a.branch\_id=b.branch\_id

join`rakamin-kf-analytics-448814.kimia\_farma.kf\_product` as c on a.product\_id=c.product\_id

CREATE OR REPLACE TABLE `rakamin-kf-analytics-448814.kimia\_farma.kf\_ Dasboard 1` AS

WITH transaksi\_cte AS (

    SELECT

        t.transaction\_id,

        t.product\_id,

        t.branch\_id,

        COUNT(DISTINCT t.transaction\_id) AS total\_transactions,  -- Menghitung jumlah transaksi per cabang

        t.price AS actual\_price,  -- Menggunakan price sebagai actual\_price

        t.price \* (1 - (t.discount\_percentage / 100)) AS nett\_sales,  -- Nett Sales setelah diskon

        -- Menghitung persentase laba berdasarkan harga

        CASE

            WHEN t.price <= 50000 THEN 0.10

            WHEN t.price > 50000 AND t.price <= 100000 THEN 0.15

            WHEN t.price > 100000 AND t.price <= 300000 THEN 0.20

            WHEN t.price > 300000 AND t.price <= 500000 THEN 0.25

            ELSE 0.30

        END AS persentase\_gross\_laba,

        -- Menghitung nett\_profit berdasarkan persentase gross laba dan harga

        (t.price \* (1 - (t.discount\_percentage / 100)) \*

            CASE

                WHEN t.price <= 50000 THEN 0.10

                WHEN t.price > 50000 AND t.price <= 100000 THEN 0.15

                WHEN t.price > 100000 AND t.price <= 300000 THEN 0.20

                WHEN t.price > 300000 AND t.price <= 500000 THEN 0.25

                ELSE 0.30

            END) AS nett\_profit,

        t.date,   -- Pastikan nama kolomnya sesuai

        t.customer\_name,

        t.discount\_percentage,  -- Menambahkan diskon ke CTE

        EXTRACT(YEAR FROM t.date) AS transaction\_year  -- Mengambil tahun dari tanggal transaksi

    FROM `rakamin-kf-analytics-448814.kimia\_farma.kf\_final\_transaction` t

    WHERE EXTRACT(YEAR FROM t.date) BETWEEN 2020 AND 2023  -- Memfilter transaksi antara tahun 2020-2023

    GROUP BY t.branch\_id, t.product\_id, t.transaction\_id, t.price, t.discount\_percentage, t.date, t.customer\_name

)

SELECT

    t.transaction\_id,  -- ID transaksi

    t.date,  -- Tanggal transaksi

    t.branch\_id,  -- ID cabang

    c.branch\_name,  -- Nama cabang

    c.kota,  -- Kota cabang

    c.provinsi,  -- Provinsi cabang

    c.rating AS rating\_transaction,  -- Rating cabang

    t.product\_id,  -- ID produk

    p.product\_name,  -- Nama produk

    t.actual\_price,  -- Harga obat

    t.discount\_percentage,  -- Persentase diskon

    t.persentase\_gross\_laba \* 100 AS persentase\_gross\_laba\_pct,  -- Persentase gross laba

    t.nett\_sales,  -- Nett sales setelah diskon

    t.nett\_profit,  -- Nett profit

    t.total\_transactions,  -- Jumlah transaksi per cabang

    -- Menambahkan total profit dan total sales per tahun 2020-2023

    SUM(t.nett\_profit) OVER (PARTITION BY t.branch\_id, t.product\_id) AS total\_profit,  -- Total profit per cabang dan produk

    SUM(t.nett\_sales) OVER (PARTITION BY t.branch\_id, t.product\_id) AS total\_sales  -- Total sales per cabang dan produk

FROM transaksi\_cte t

JOIN `rakamin-kf-analytics-448814.kimia\_farma.kf\_kantor\_cabang` c

    ON t.branch\_id = c.branch\_id  -- Menggabungkan dengan tabel cabang

JOIN `rakamin-kf-analytics-448814.kimia\_farma.kf\_product` p

    ON t.product\_id = p.product\_id  -- Menggabungkan dengan tabel produk;