

KIMIA FARMA

SALES DASHBOARD

BY

MOCHAMAD GALUH SAPUTRA

Design Datamart

No	Nama File	Link
1	database.sql	https://drive.google.com/file/d/1iS6-TyVcNc3H2KKEWQpl6f4w5IkQ9sNn/view?usp=sharing
2	base_table	https://drive.google.com/file/d/1vN0TLB9vJ7ImI_dR09shfK-TVzEnXgWs/view?usp=sharing
3	aggregated_table	https://drive.google.com/file/d/1ekjKF5mfdIJEG05420Tben_0cZloGXr/view?usp=sharing

Table Base “base_table”

```
Query  Query History
1  CREATE TABLE IF NOT EXISTS public.base_table AS
2  SELECT
3      j.id_invoice,
4      j.tanggal,
5      j.id_customer,
6      j.id_cabang,
7      c.nama,
8      c.cabang_sales,
9      j.id_distributor,
10     c.group,
11     j.id_barang,
12     b.nama_barang,
13     j.brand_id,
14     b.kode_brand,
15     j.lini,
16     b.kemasan,
17     j.jumlah_barang,
18     j.harga,
19     (j.jumlah_barang * j.harga) AS total_harga,
20     j.mata_uang
21 FROM penjualan j
22     LEFT JOIN pelanggan_ds c
23         ON c.id_customer = j.id_customer
24     LEFT JOIN barang_ds b
25         ON b.kode_barang = j.id_barang
26 ORDER BY j.tanggal, j.id_invoice
27 ;
28
29 -----
```

Table Base “base_table”

	id_invoice character varying (50)	tanggal date	id_customer character varying (50)	id_cabang character varying (50)	nama character varying (50)	cabang_sales character varying (50)	id_distributor character varying (50)	group character varying (50)	id_barang character varying (50)	nama_barang character varying (50)	brand_id character varying (50)	kode_brand character varying (50)	lini character varying (50)	kemasan character varying (50)	jumlah_barang integer	harga numeric (10,2)	total_harga numeric (10,2)	mata_uang character varying (50)
1	IN5997	2022-01-20	CUST55380	CAB01	APOTEK TAPAK	Aceh	TD	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	1	1169.91	1169.91	IDR
2	IN6297	2022-01-20	CUST55381	CAB01	APOTEK MAJA	Kuningan	TD	Apotek	BRG0002	ALERGINE TABLET SALUT	BRND002	203	ETIKAL	DUS	5	2337.5	11687.5	IDR
3	IN6155	2022-01-21	CUST55382	CAB02	KLINIK GM	Jakarta	TA	Klinik	BRG0003	AMPICILLIN	BRND003	210	MARCKS	BOTOL	9	10690.6	96215.4	IDR
4	IN6144	2022-01-22	CUST55383	CAB03	APOTEK MERDEKA	Bandung	EPM	Apotek	BRG0004	TRAMADOL KAPSUL 50 MG	BRND004	201	VNS	TABLET	13	8700.7	113109.1	IDR
5	IN5980	2022-01-23	CUST55432	CAB01	APOTEK TAPAK	Aceh	TA	Apotek	BRG0003	AMPICILLIN	BRND003	210	MARCKS	BOTOL	20	10690.6	213812.0	IDR
6	IN5991	2022-01-23	CUST55414	CAB08	KLINIK SAHABAT	Tangerang	TD	Klinik	BRG0005	KLORPROMAZINA TABLET SALUT SELAPU...	BRND005	203	SLCYL	TABLET	24	5648.3	135559.2	IDR
7	IN6028	2022-01-23	CUST55420	CAB03	APOTEK MERDEKA	Bandung	EPM	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	98	1169.91	114651.18	IDR
8	IN6039	2022-01-23	CUST55480	CAB03	APOTEK MERDEKA	Bandung	EPM	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	13	1169.91	15208.83	IDR
9	IN6052	2022-01-23	CUST55385	CAB05	APOTEK SINAR JAYA	Bekasi	TA	Apotek	BRG0006	KETOCONAZOLE TABLET 200 MG	BRND006	205	OGB & PH	TABLET	5	2819.2	14096.0	IDR
10	IN6065	2022-01-23	CUST55474	CAB08	KLINIK SAHABAT	Tangerang	EPM	Klinik	BRG0005	KLORPROMAZINA TABLET SALUT SELAPU...	BRND005	203	SLCYL	TABLET	4	5648.3	22593.2	IDR
11	IN6086	2022-01-23	CUST55408	CAB02	APOTEK SAHABAT	Padang	TD	Apotek	BRG0003	AMPICILLIN	BRND009	210	VNS	BOTOL	14	5780.7	80929.8	IDR
12	IN6125	2022-01-23	CUST55402	CAB01	APOTEK TAPAK	Aceh	TA	Apotek	BRG0003	AMPICILLIN	BRND003	210	MARCKS	BOTOL	14	10690.6	149668.4	IDR
13	IN6183	2022-01-23	CUST55498	CAB02	APOTEK SAHABAT	Padang	TD	Apotek	BRG0003	AMPICILLIN	BRND009	210	VNS	BOTOL	25	5780.7	144517.5	IDR
14	IN6190	2022-01-23	CUST55390	CAB10	APOTEK MERDEKA	Bandung	TD	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	2	1169.91	2339.82	IDR
15	IN6202	2022-01-23	CUST55528	CAB02	APOTEK SAHABAT	Padang	EPM	Apotek	BRG0003	AMPICILLIN	BRND009	210	VNS	BOTOL	34	5780.7	196543.8	IDR
16	IN6210	2022-01-23	CUST55486	CAB05	APOTEK MAJA	Kuningan	TA	Apotek	BRG0007	ERGOTAMINE COFFEINE	BRND007	206	ETIKAL	BOTOL	4	4592.1	18368.4	IDR
17	IN6215	2022-01-23	CUST55510	CAB03	APOTEK MERDEKA	Bandung	TA	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	14	1169.91	16378.74	IDR
18	IN6216	2022-01-23	CUST55456	CAB05	APOTEK MAJA	Kuningan	TA	Apotek	BRG0007	ERGOTAMINE COFFEINE	BRND007	206	ETIKAL	BOTOL	98	4592.1	450025.8	IDR
19	IN6217	2022-01-23	CUST55438	CAB02	APOTEK SAHABAT	Padang	TD	Apotek	BRG0003	AMPICILLIN	BRND009	210	VNS	BOTOL	5	5780.7	28903.5	IDR
20	IN6220	2022-01-23	CUST55444	CAB08	KLINIK SAHABAT	Tangerang	TD	Klinik	BRG0005	KLORPROMAZINA TABLET SALUT SELAPU...	BRND005	203	SLCYL	TABLET	48	5648.3	271118.4	IDR
21	IN6221	2022-01-23	CUST55504	CAB08	KLINIK SAHABAT	Tangerang	EPM	Klinik	BRG0005	KLORPROMAZINA TABLET SALUT SELAPU...	BRND005	203	SLCYL	TABLET	25	5648.3	141207.5	IDR
22	IN6233	2022-01-23	CUST55450	CAB03	APOTEK MERDEKA	Bandung	EPM	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	24	1169.91	28077.84	IDR
23	IN6242	2022-01-23	CUST55534	CAB08	KLINIK SAHABAT	Tangerang	EPM	Klinik	BRG0005	KLORPROMAZINA TABLET SALUT SELAPU...	BRND005	203	SLCYL	TABLET	44	5648.3	248525.2	IDR
24	IN6251	2022-01-23	CUST55387	CAB07	APOTEK TAPAK	Aceh	TD	Apotek	BRG0008	TETRACYCLINE KAPSUL 250 MG	BRND008	204	MARCKS	TABLET	1	3991.9	3991.9	IDR
25	IN6280	2022-01-23	CUST55384	CAB04	KLINIK SAHABAT	Tangerang	TD	Klinik	BRG0005	KLORPROMAZINA TABLET SALUT SELAPU...	BRND005	203	SLCYL	TABLET	1	5648.3	5648.3	IDR
26	IN6284	2022-01-23	CUST55540	CAB03	APOTEK MERDEKA	Bandung	TA	Apotek	BRG0001	ACYCLOVIR DUS	BRND001	206	OGB & PH	DUS	76	1169.91	88913.16	IDR
27	IN6286	2022-01-23	CUST55468	CAB02	APOTEK SAHABAT	Padang	TD	Apotek	BRG0003	AMPICILLIN	BRND009	210	VNS	BOTOL	120	5780.7	693684.0	IDR
28	IN6289	2022-01-23	CUST55493	CAB01	APOTEK TAPAK	Aceh	TD	Apotek	BRG0003	AMPICILLIN	BRND003	210	MARCKS	BOTOL	25	10690.6	267365.0	IDR

Table Base “base_table”

column	data type	description	transformation
id_invoice	varchar	primary_key	
tanggal	date	tanggal transaksi	
id_customer	varchar	unique value customer, key join ke tabel pelanggan	
id_cabang	varchar	jd dari setiap apotek	
nama	varchar	nama apotek	
cabang_sales	varchar	daerah cabang apotek	
id_distributor	varchar	id tiap distributor	
group	varchar	jenis apotek/klinik	

Table Base “base_table”

column	data type	description	transformation
id_barang	varchar	unique value barang, key join ke tabel barang	
nama_barang	varchar	nama barang	
brand_id	varchar	brand id dari tiap barang	
kode_brand	varchar	kode dari brand	
lini	varchar	lini barang	
kemasan	varchar	jenis kemasan barang	
jumlah_barang	integer	jumlah barang yang dibeli	
harga	numeric	harga tiap barang	

Table Base “base_table”

[illegible]

Table Aggregate “aggregated_table”

```
CREATE TABLE IF NOT EXISTS public.aggregated_table AS
SELECT
    TO_CHAR(tanggal, 'Month') AS bulan,
    nama AS nama_apotek,
    cabang_sales,
    nama_barang,
    lini,
    SUM(jumlah_barang) AS jumlah_barang,
    ROUND(AVG(harga),2) AS harga,
    ROUND(SUM(jumlah_barang * harga),2) AS total_harga
FROM base_table
GROUP BY
    TO_CHAR(tanggal, 'Month'),
    nama,
    cabang_sales,
    nama_barang,
    lini
ORDER BY
    EXTRACT(MONTH FROM MIN(tanggal)),
    cabang_sales,
    nama_apotek
;
```


Table Aggregate “aggregated_table”

	bulan text	nama_apotek character varying (50)	cabang_sales character varying (50)	nama_barang character varying (50)	lini character varying (50)	jumlah_barang bigint	harga numeric	total_harga numeric
1	January	APOTEK MAJA	Kuningan	ALERGINE TABLET SALUT	ETIKAL	5	2337.5000000000000000	11687.5
2	January	APOTEK MAJA	Kuningan	ERGOTAMINE COFFEINE	ETIKAL	190	4592.1000000000000000	872499.0
3	January	APOTEK MAJA	Kuningan	TRAMADOL KAPSUL 50 MG	VNS	96	8700.7000000000000000	835267.2
4	January	APOTEK MAJA	Kuningan	AMBROXOL HC	VNS	87	5780.7000000000000000	502920.9
5	January	APOTEK MERDEKA	Bandung	AMBROXOL HC	VNS	160	5780.7000000000000000	924912.0
6	January	APOTEK MERDEKA	Bandung	ACYCLOVIR DUS	OGB & PH	227	1169.9100000000000000	265569.57
7	January	APOTEK MERDEKA	Bandung	TRAMADOL KAPSUL 50 MG	VNS	154	8700.7000000000000000	1339907.8
8	January	APOTEK SAHABAT	Padang	AMPICILLIN	VNS	198	5780.7000000000000000	1144578.6
9	January	APOTEK SAHABAT	Padang	ERGOTAMINE COFFEINE	ETIKAL	90	4592.1000000000000000	413289.0
10	January	APOTEK SAHABAT	Padang	ALERGINE TABLET SALUT	ETIKAL	101	2337.5000000000000000	236087.5
11	January	APOTEK SINAR JAYA	Bekasi	KETOCONAZOLE TABLET 200 MG	OGB & PH	63	2819.2000000000000000	177609.6
12	January	APOTEK SINAR JAYA	Bekasi	AMPICILLIN	MARCKS	181	10690.6000000000000000	1934998.6
13	January	APOTEK SINAR JAYA	Bekasi	ALERGINE TABLET SALUT	MARCKS	136	3991.9000000000000000	542898.4
14	January	APOTEK SINAR JAYA	Bekasi	ACYCLOVIR DUS	OGB & PH	86	1169.9100000000000000	100612.26
15	January	APOTEK TAPAK	Aceh	TETRACYCLINE KAPSUL 250 MG	MARCKS	1	3991.9000000000000000	3991.9
16	January	APOTEK TAPAK	Aceh	KETOCONAZOLE TABLET 200 MG	OGB & PH	135	2819.2000000000000000	380592.0
17	January	APOTEK TAPAK	Aceh	ACYCLOVIR DUS	OGB & PH	175	1169.9100000000000000	204734.25
18	January	APOTEK TAPAK	Aceh	AMPICILLIN	MARCKS	91	10690.6000000000000000	972844.6
19	January	KLINIK DR. ANDRI	Lampung	TRAMADOL KAPSUL 50 MG	SLCYL	73	6940.3000000000000000	506641.9
20	January	KLINIK DR. ANDRI	Lampung	KLORPROMAZINA TABLET SALUT SELAPUT 100 MG	SLCYL	44	5648.3000000000000000	248525.2
21	January	KLINIK GM	Jakarta	AMPICILLIN	MARCKS	280	10690.6000000000000000	2993368.0
22	January	KLINIK GM	Jakarta	TETRACYCLINE KAPSUL 250 MG	MARCKS	239	3991.9000000000000000	954064.1
23	January	KLINIK GM	Jakarta	PARACETAMOL	SLCYL	214	6940.3000000000000000	1485224.2

Table Aggregate “aggregated_table”

column	data type	description	transformation
bulan	text	bulan transaksi	TO_CHAR(tanggal, 'Month') AS bulan
nama_apotek	varchar	nama apotek	
cabang_sales	varchar	daerah cabang apotek	
nama_barang	varchar	nama barang	
lini	varchar	lini barang	
jumlah_barang	integer	jumlah barang yang dibeli	SUM(jumlah_barang) AS jumlah_barang
harga	numeric	harga tiap barang	ROUND(AVG(harga),2) AS harga
total_harga	numeric	harga total transaksi	ROUND(SUM(jumlah_barang * harga),2) AS total_harga

Data Visualization

Link visualisasi (ex link Looker Studio) :

<https://lookerstudio.google.com/reporting/8d3e01a5-b73e-43a3-b6ce-e61ca5d66157>

SALES DASHBOARD

PT KIMIA FARMA



Revenue
49.2M

Items Sold
9,176

Total Transaction
350



Aceh
Revenue : 4.7M
Items Sold : 1.2K

Padang
Revenue : 4.2M
Items Sold : 783

Jakarta
Revenue : 12.2M
Items Sold : 1.8K

Lampung
Revenue : 2.9M
Items Sold : 461

Bekasi
Revenue : 6.0M
Items Sold : 1.1K

Tangerang
Revenue : 5.6M
Items Sold : 1.1K

Kuningan
Revenue : 8.0M
Items Sold : 1.6K

Bandung
Revenue : 5.6M
Items Sold : 1.3K

Drugs

Revenue



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