

LITERASI DIGITAL

“Dasar Data Modeling”



DOSEN PENGAMPU :

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DISUSUN OLEH:

Teguh Wichaksono

E31241421

Golongan C

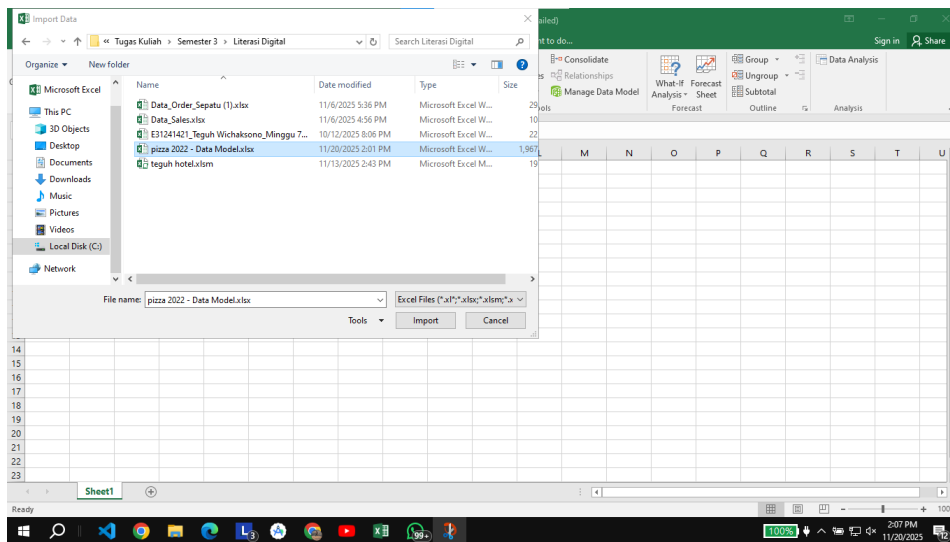
PROGRAM STUDY MANAJEMEN INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

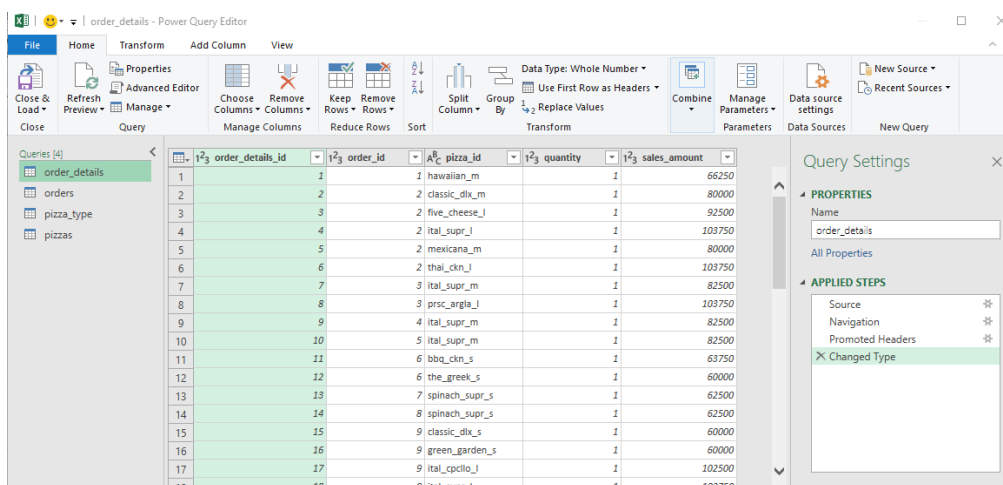
POLITEKNIK NEGRI JEMBER

2025

1. Ngambil data yang sudah di donwload di drive

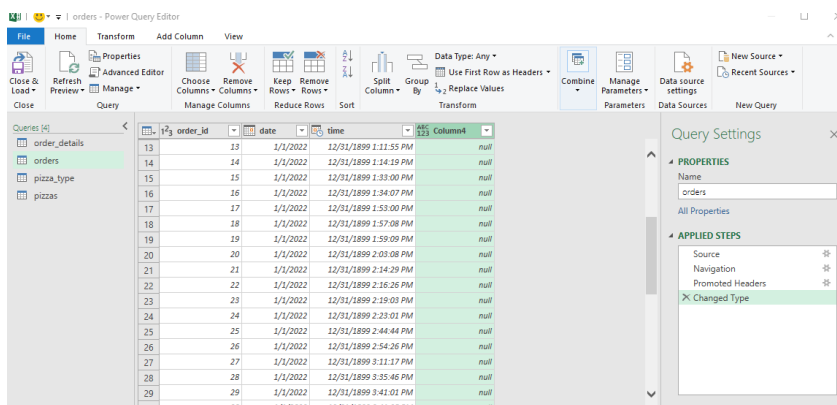


2. Tansform Data

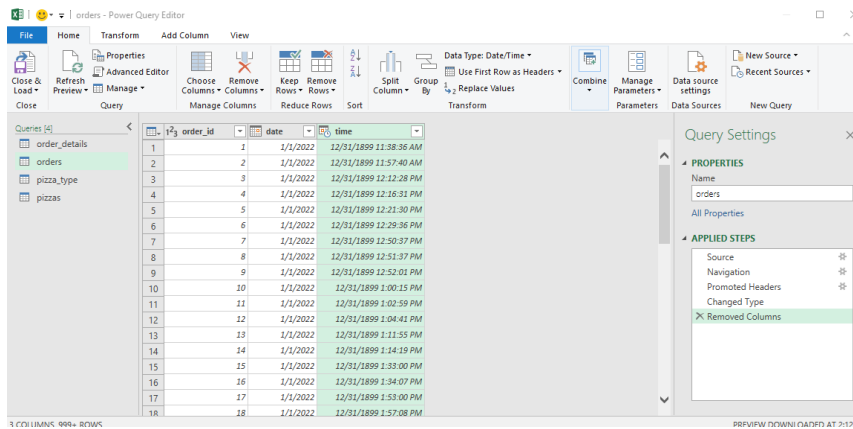


3. Pada tabel orders kelebihan colom maka kita harus menghapus terlebih dahulu

Sebelum



Sesudah



Power Query Editor - orders

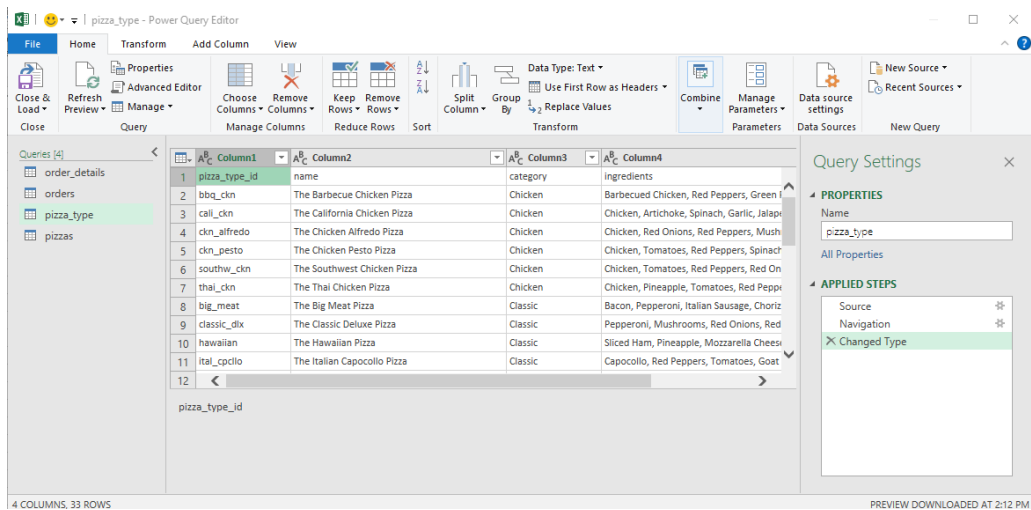
order_id	date	time
1	1/1/2022	12/31/1899 11:38:36 AM
2	1/1/2022	12/31/1899 11:57:40 AM
3	1/1/2022	12/31/1899 12:12:28 PM
4	1/1/2022	12/31/1899 12:16:51 PM
5	1/1/2022	12/31/1899 12:21:30 PM
6	1/1/2022	12/31/1899 12:29:36 PM
7	1/1/2022	12/31/1899 12:50:37 PM
8	1/1/2022	12/31/1899 12:51:37 PM
9	1/1/2022	12/31/1899 12:52:01 PM
10	1/1/2022	12/31/1899 1:00:15 PM
11	1/1/2022	12/31/1899 1:02:59 PM
12	1/1/2022	12/31/1899 1:04:41 PM
13	1/1/2022	12/31/1899 1:11:55 PM
14	1/1/2022	12/31/1899 1:14:19 PM
15	1/1/2022	12/31/1899 1:33:00 PM
16	1/1/2022	12/31/1899 1:34:07 PM
17	1/1/2022	12/31/1899 1:53:00 PM
18	1/1/2022	12/31/1899 1:57:08 PM

Query Settings

- PROPERTIES
 - Name: orders
- APPLIED STEPS
 - Source
 - Navigation
 - Promoted Headers
 - Changed Type
 - Removed Columns

4. Pada tabel pizza type colom masih salah sehingga kita perlu merubah kolom tersebut dengan memilih use first row as Header

Sebelum



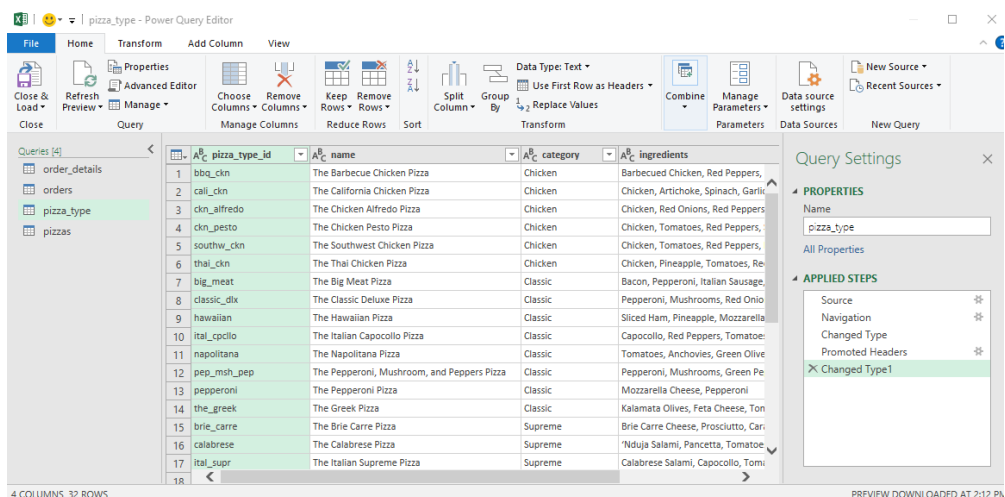
Power Query Editor - pizza_type

Column1	Column2	Column3	Column4
pizza_type_id	name	category	ingredients
bbaq_chn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers, Green
call_chn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalap
ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers, Mush
ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Spinach
southw_chn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Red On
thai_chn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Red Peppi
big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage, Choriz
classic_dix	The Classic Deluxe Pizza	Classic	Pepperoni, Mushrooms, Red Onions, Red
hawaiian	The Hawaiian Pizza	Classic	Sliced Ham, Pineapple, Mozzarella Cheese
ital_cpcllo	The Italian Capocollo Pizza	Classic	Capocollo, Red Peppers, Tomatoes, Goat

Query Settings

- PROPERTIES
 - Name: pizza_type
- APPLIED STEPS
 - Source
 - Navigation
 - Changed Type

Sesudah



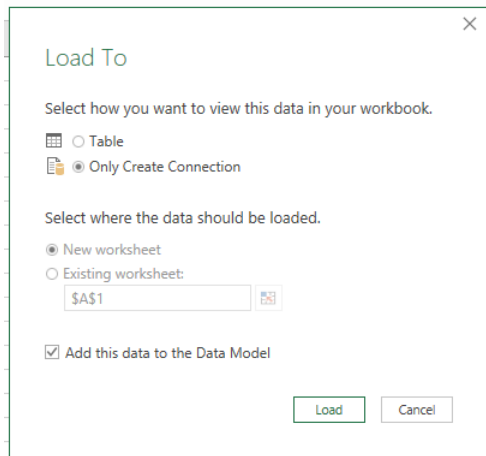
Power Query Editor - pizza_type

pizza_type_id	name	category	ingredients
bbaq_chn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers,
call_chn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garli
ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers
ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers,
southw_chn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers,
thai_chn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Re
big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage,
classic_dix	The Classic Deluxe Pizza	Classic	Pepperoni, Mushrooms, Red Onio
hawaiian	The Hawaiian Pizza	Classic	Sliced Ham, Pineapple, Mozzarella
ital_cpcllo	The Italian Capocollo Pizza	Classic	Capocollo, Red Peppers, Tomatoe
napolitana	The Napolitana Pizza	Classic	Tomatoes, Anchovies, Green Olive
pep_msh_pep	The Pepperoni, Mushroom, and Peppers Pizza	Classic	Pepperoni, Mushrooms, Green Pe
pepperoni	The Pepperoni Pizza	Classic	Mozzarella Cheese, Pepperoni
the_greek	The Greek Pizza	Classic	Kalamata Olives, Feta Cheese, Ton
brie_carre	The Brie Carre Pizza	Supreme	Brie Carre Cheese, Prosciutto, Car
calabrese	The Calabrese Pizza	Supreme	*Nduja Salami, Pancetta, Tomatoe
ital_supr	The Italian Supreme Pizza	Supreme	Calabrese Salami, Capocollo, Tom

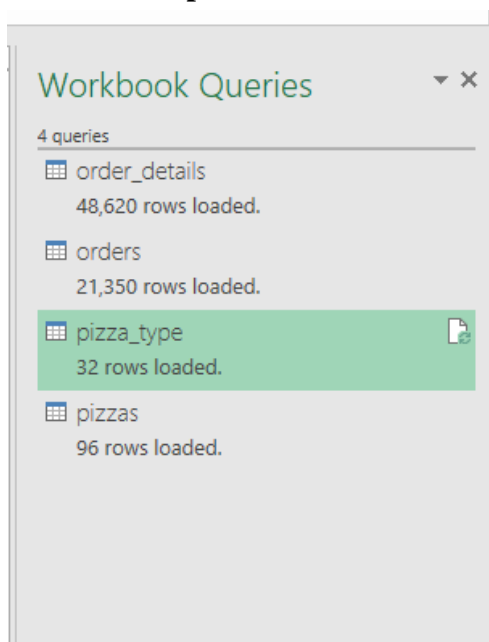
Query Settings

- PROPERTIES
 - Name: pizza_type
- APPLIED STEPS
 - Source
 - Navigation
 - Changed Type
 - Promoted Headers
 - Changed Type1

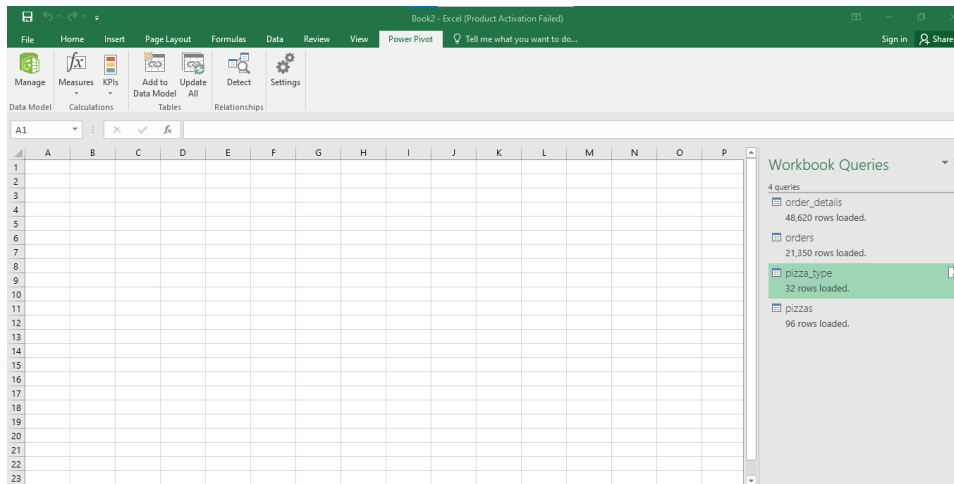
5. Jika sudah benar semua tabel maka pilih close & load to, terus Pilih only create connection dan centang add this data the data model



Hasil dari import data



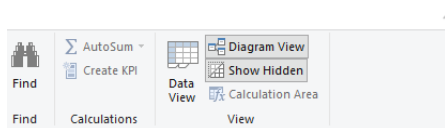
6. Terus pilih power pivot dan manage



7. Hasil data dari modeling di power pivot

	order_details_id	order_id	pizza_id	quantity	sales_amount	Add Column
1	6	2	thai_ckn_l	1	103750	
2	42	16	thai_ckn_l	1	103750	
3	68	25	thai_ckn_l	1	103750	
4	76	30	thai_ckn_l	1	103750	
5	89	35	thai_ckn_l	1	103750	
6	131	54	thai_ckn_l	1	103750	
7	164	71	thai_ckn_l	1	103750	
8	188	79	thai_ckn_l	1	103750	
9	191	81	thai_ckn_l	1	103750	
10	209	89	thai_ckn_l	1	103750	
11	340	143	thai_ckn_l	1	103750	
12	375	156	thai_ckn_l	1	103750	
13	408	172	thai_ckn_l	1	103750	
14	420	177	thai_ckn_l	1	103750	
15	439	186	thai_ckn_l	1	103750	
16	526	224	thai_ckn_l	1	103750	
17	558	242	thai_ckn_l	1	103750	
18	572	248	thai_ckn_l	1	103750	
19	610	270	thai_ckn_l	1	103750	

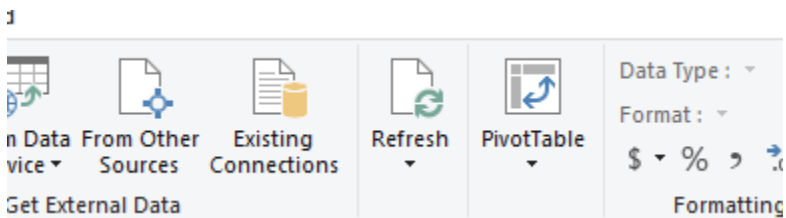
8. Kemudian pilih Diagram View



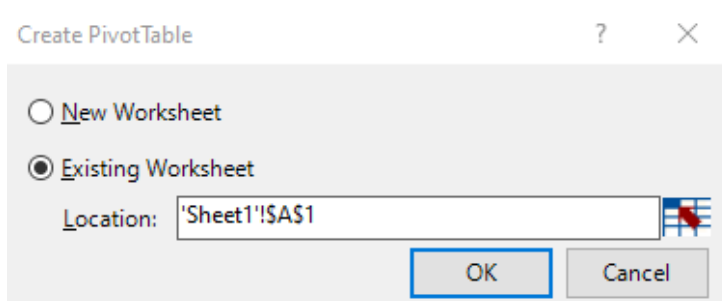
9. hubungkan tabel orders (order id) ke tabel orders_detail (order_id), tabel order_detail (pizza_id) ke tabel pizzas (pizza_id), tabel pizzas (pizza_type_id) ke tabel pizza_type (pizza_type_id)



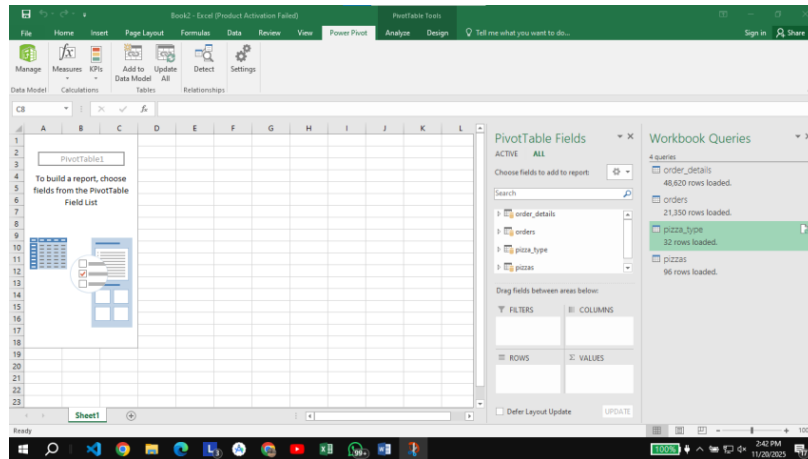
10. Klik Pivot Table



Lalu klik ok



11. Hasil dari pivot dan modeling



12. Hasil tabel pivot yang berhasil di buat

