

LAPORAN WEEK 13
“DASAR DATA MODELLING EXCEL”



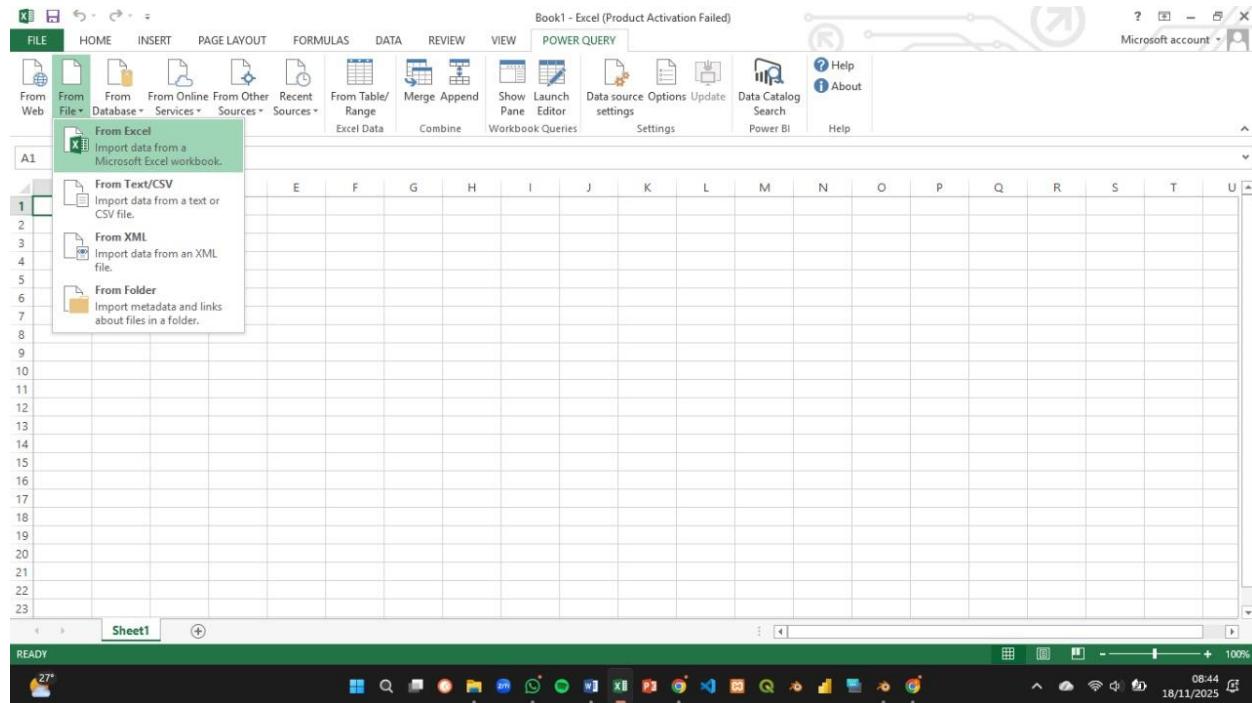
DOSEN PENGAMPU :
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DISUSUN OLEH:

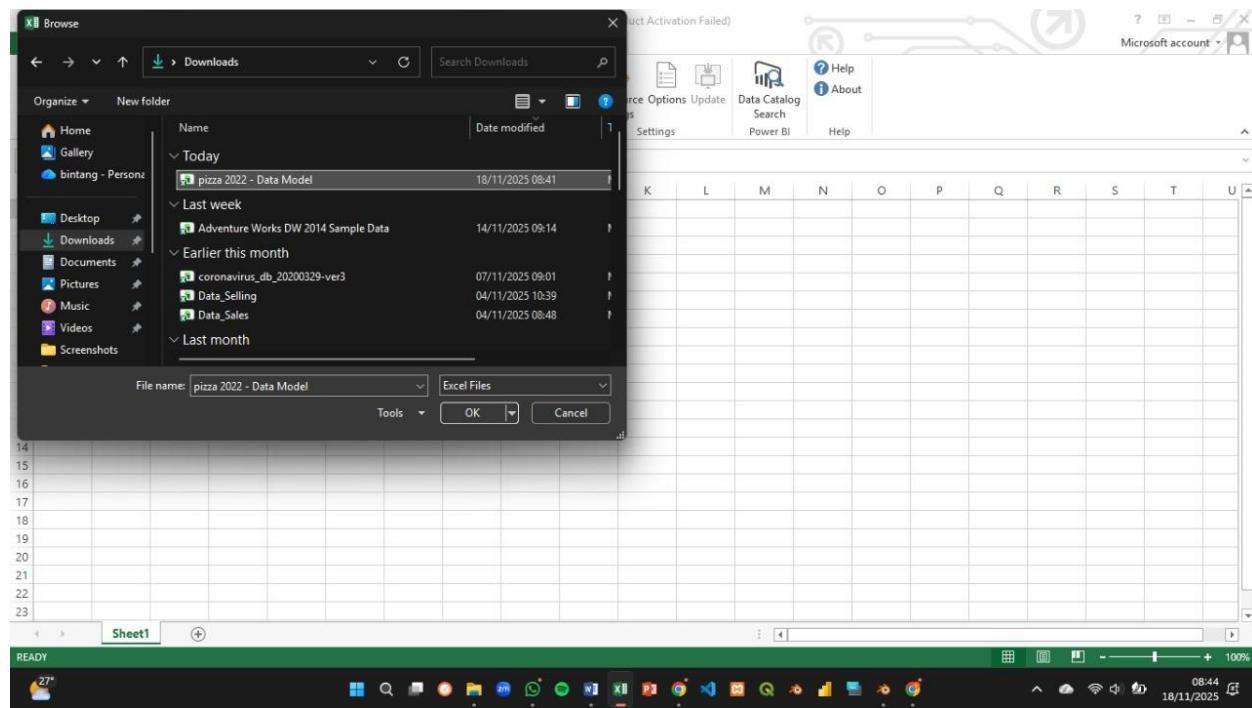
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Golongan A

PROGRAM STUDI MANAJEMEN INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI POLITEKNIK
NEGERI JEMBER
2025

1. Pertama, kita klik get data kemudian klik from Excel



2. Kemudian pilih file excel yang telah ditentukan.



3. Kemudian centang select multiple items, dan centang semua sheet/tabel yang ada.

The screenshot shows the Microsoft Excel interface with the 'Navigator' pane open. The 'pizzas' table is selected in the list. The table data is displayed in a grid:

pizza_id	pizza_type_id	size	price
bbq_ckn_s	bbq_ckn	S	63750
bbq_ckn_m	bbq_ckn	M	83750
bbq_ckn_l	bbq_ckn	L	103750
call_ckn_s	call_ckn	S	63750
call_ckn_m	call_ckn	M	83750
call_ckn_l	call_ckn	L	103750
ckn_alfredo_s	ckn_alfredo	S	63750
ckn_alfredo_m	ckn_alfredo	M	83750
ckn_alfredo_l	ckn_alfredo	L	103750
ckn_pesto_s	ckn_pesto	S	63750
ckn_pesto_m	ckn_pesto	M	83750
ckn_pesto_l	ckn_pesto	L	103750
southw_ckn_s	southw_ckn	S	63750
southw_ckn_m	southw_ckn	M	83750
southw_ckn_l	southw_ckn	L	103750
thai_ckn_s	thai_ckn	S	63750
thai_ckn_m	thai_ckn	M	83750
thai_ckn_l	thai_ckn	L	103750
big_meat_s	big_meat	S	60000
big_meat_m	big_meat	M	80000
big_meat_l	big_meat	L	102500
classic_dlx_s	classic_dlx	S	60000
classic_dlx_m	classic_dlx	M	80000
classic_dlx_l	classic_dlx	L	102500

4. Klik Launch Editor untuk mengedit tabel yang telah kita punya.

The screenshot shows the Microsoft Excel interface with the 'POWER QUERY' tab selected in the ribbon. The 'Launch Editor' button is highlighted. On the right side, the 'Workbook Queries' pane is open, showing four loaded queries:

- order_details: 48.620 rows loaded.
- orders: 21.350 rows loaded.
- pizza_type: 33 rows loaded.
- pizzas: 96 rows loaded.

5. Remove kolom yang tidak digunakan dalam tabel orders.

The screenshot shows the Microsoft Excel interface with the Power Query Editor open. The 'orders' query is selected in the Queries list. The 'Applied Steps' pane on the right shows the step 'Removed Blank Rows'. The preview area indicates 4 columns and 999+ rows.

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

Ini hasilnya setelah kolom tersebut dihapus.

The screenshot shows the Microsoft Excel interface with the Power Query Editor open. The 'orders' query is selected in the Queries list. The 'Applied Steps' pane on the right shows the step 'Removed Columns'. The preview area indicates 3 columns and 999+ rows.

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

6. Di dalam tabel pizza_type nama kolomnya masih belum sesuai, sehingga kita bisa klik use first row as header.

The screenshot shows the Microsoft Excel interface with the Power Query Editor open. The ribbon at the top has the 'POWER QUERY' tab selected. In the main area, there is a table with four columns: 'A_C pizza_type_id', 'A_C name', 'A_C category', and 'A_C ingredients'. The first row of the table is highlighted in green, indicating it is being used as the header. The 'Applied Steps' pane on the right shows a step named 'Changed Type'. The status bar at the bottom right indicates 'PREVIEW DOWNLOADED AT 08:45'.

Ini hasil setelah first row digunakan untuk header.

This screenshot shows the same Excel interface as the previous one, but the 'Applied Steps' pane now includes an additional step named 'Promoted Headers'. The rest of the interface and data table remain the same.

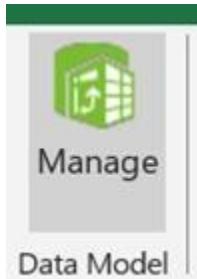
7. Kemudian setelah selesai klik close and load.

The screenshot shows the Microsoft Excel interface with the Power Query ribbon tab selected. In the Power Query Editor, the 'pizza' query is highlighted in the 'Queries' list. The preview pane displays a table with four columns: pizza_id, pizza_type_id, size, and price. The data consists of 15 rows. The 'Applied Steps' pane on the right shows a single step named 'Changed Type'. The status bar at the bottom right of the Excel window shows the date and time as '18/11/2025 08:55'.

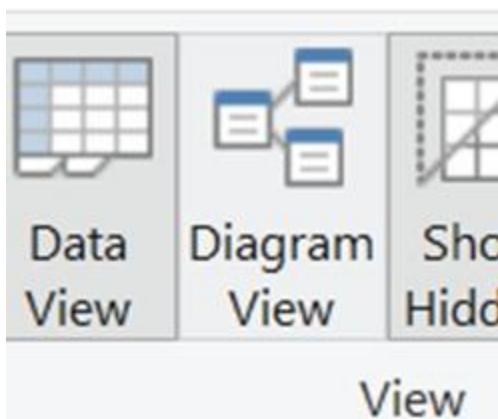
8. Select only create connection dan add this to te data model

The screenshot shows the Microsoft Excel interface with the Power Query ribbon tab selected. A 'Load To' dialog box is open over the Excel window. The 'Only Create Connection' option is selected. Under 'Select where the data should be loaded', the 'New worksheet' option is selected, and the cell reference '\$A\$1' is shown in the input field. The 'Add this data to the Data Model' checkbox is checked. The 'Load' and 'Cancel' buttons are at the bottom of the dialog. The status bar at the bottom right of the Excel window shows the date and time as '18/11/2025 09:28'.

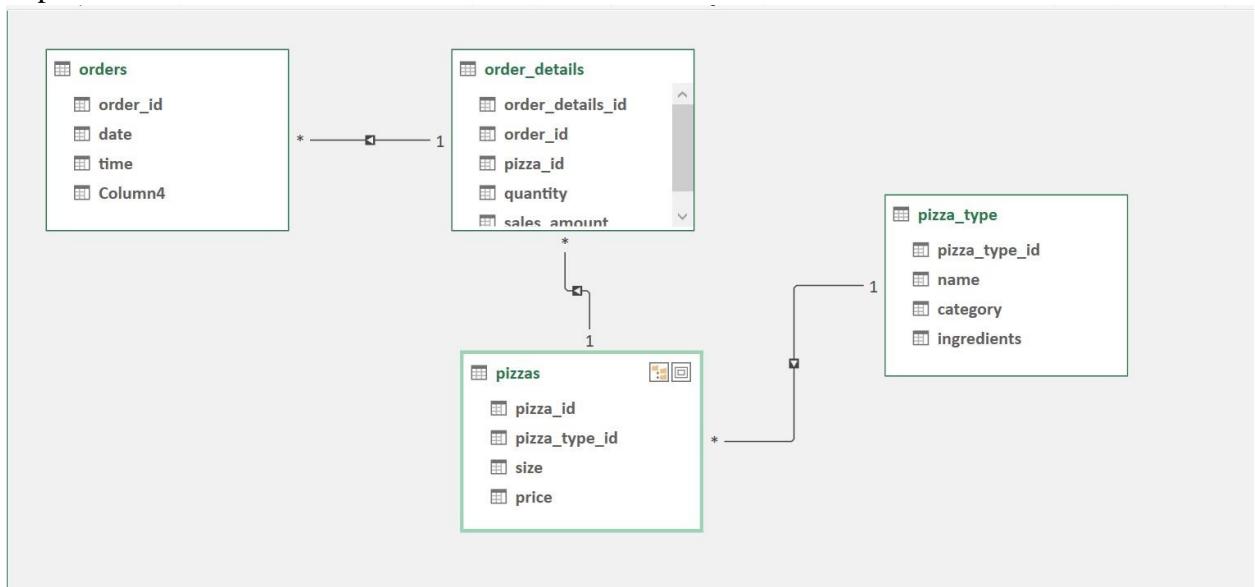
9. Klik power pivot kemudian klik manage



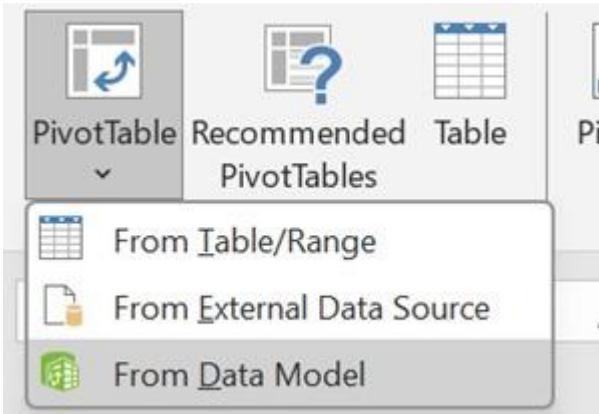
10. Kemudian klik diagram view



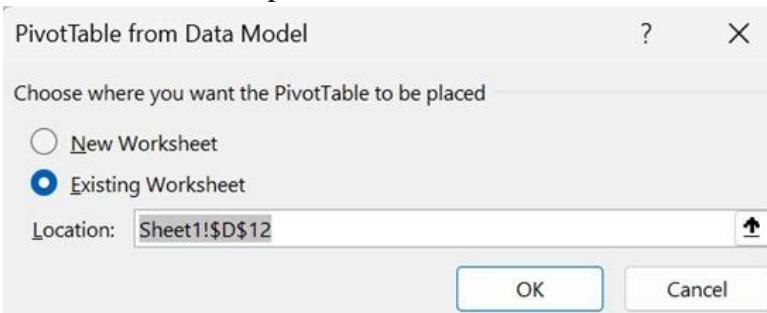
11. Selanjutnya akan muncul bagian diagram ini dan koneksiakan antar tabel sesuai dengan bkpm.



12. Kmeudian klik insert – pivot tabel – form data model



13. Lalu akan mucnul seperti ini, kemudian kli ok



14. Kemudian akan muncul seperti ini untuk hasil dari pivot dan modelling nya

Row Labels	Column Labels	M	S	XL	XXL	Grand Total
Chicken	511695000	326122500	141780000			979597500
Classic	372592500	302908750	349351250	70380000	5033000	1100265500
Supreme	471292500	332375000	237317500			1040985000
Veggie	521013500	285505000	161933750			968452250
Grand Total	1876593500	1246911250	890382500	70380000	5033000	4089300250

