

Use of Databases to Manage Sales Results Data at the KDH Sancang Coffee Shop

Agung Prayudha Hidayat^{1*}

^{1*}Industrial Management, Faculty of Vocational School, IPB University
agungprayudha@apps.ipb.ac.id

Apristio Faza Ridhar Rahman², Azka Khairani Marisda³, Ghailan Arhab⁴, Nayla Cahya Kamila⁵, Rafiq Rizki Prabowo⁶, Sesar Husen Santosa⁷

²³⁴⁵⁶⁷Industrial Management, Faculty of Vocational School, IPB University

²apristiofaza@apps.ipb.ac.id, ³azkakhairani@apps.ipb.ac.id, ⁴gelanarhab@apps.ipb.ac.id,
⁵naylakahya@apps.ipb.ac.id, ⁶rafiqrizki_prabowo@apps.ipb.ac.id, ⁷sesarhusensantosa@apps.ipb.ac.id

Abstract

Technological advances allow entrepreneurs to manage sales data efficiently. Governance management in micro, small and medium enterprises is often an obstacle to the continuity and development of the business. Based on interviews conducted, at KDH Sancang Coffee Shop, data management still uses Microsoft Excel, which sometimes makes it difficult for users to access the desired data. This research recommends using Microsoft Access to create a secure and organized sales database. This solution helps overcome data duplication problems and improve data accessibility and security. Based on the research results, the process of creating a database for sales results includes the creation of item and sales data tables, one to one relationship, Query total sales results, and Form Design for easy data access. This research activity aims to enable micro, small, and medium-sized enterprises to effectively organize their financial records, including providing owners with the necessary tools to manage their business finances more efficiently. The results showed that the use of Microsoft Access increased the efficiency of managing monthly sales data at KDH Sancang Coffee Shop which is expected to facilitate monthly sales evaluation activities at the coffee shop.

Keywords: database, Microsoft Access, relationship, query, selling.

Introduction

Technological advances in the current era open up opportunities for entrepreneurs to develop the business they are involved in by utilizing technology to manage data, whether for sales evaluation or other management purposes. (Aziz, 2012). Sometimes owners, when they want to see sales data for their business, often have difficulty because they have to look at bookkeeping that is still not organized, such as notes in notebooks, which will confuse the owner when looking for the data they want. To overcome this problem, technology is needed to manage data safely, organized, and easily to access information accurately regarding monthly sales results that occur. (Hidayat et al., 2022).

One of the appropriate technologies to overcome this problem is the use of the Microsoft Access computer application to create a database. Microsoft Access is a sophisticated database management application program for processing various types of data with very easy operation, this application was developed by Microsoft Corporation (Universitas Negeri Yogyakarta, 2015). A database or data base is a collection of structured data that is stored electronically in a computer system. Databases are usually controlled by a database management system (DBMS). Data in the most commonly used types of databases today is usually modeled into rows and columns in a set of tables for efficient data processing and querying. Data in a database can be easily accessed, managed, modified, updated, controlled and organized (Duggan et al., 1970). Viewing information or monthly sales data can now be done more easily using a database, using a

database will make it easier to find the desired data without having to search or read the data one by one (Charzon, 2018). The benefits of using this database can be a solution to problems such as data duplication, relationships between data, difficulties in accessing requested data, confidential data security, data consistency, etc. (Maallah, 2018). In this case, the database aims to make it easier for users to access or search for the desired monthly sales data so that the next month's sales strategy can be evaluated.

The activity of evaluating sales results in trading companies, especially in the F&B (Food and Beverage) sector, is a very important process to find out developments and problems in their business (Purwanto et al., 2021). Good management and processing of sales data for company evaluation is something that needs to continue to be developed so that the company can continue to develop and keep up with the flow of technological developments. Good data processing can produce data that is accurate and easy for users to access and analyze (Nur, 2019). A database processing application must be developed by the company to be able to produce sales evaluations which will later be used to formulate a monthly sales strategy because the company must compete with its competitors and continue to innovate to create new breakthroughs to remain attractive to consumers. (Hikam & Pradana, 2019).

In the research conducted, the KDH Sancang Coffee Shop company, the technology used in processing monthly sales data was still simple and manual, namely using the Microsoft Excel application. Therefore, a database data processing application is needed to easily manage their monthly sales data so they can continue to innovate amidst the intense competition between coffee shops in the city of Bogor. Based on this, this research will raise the problem with the title "Using a Database to Manage Sales Results Data at the KDH Sancang Coffee Shop".

Method

Research Location and Time

The research was carried out at one of the Micro, Small and Medium Enterprises (MSMEs) in Bogor City, namely KDH Sancang Coffee Shop, Jalan Sancang Number 15 B, Babakan, Central Bogor District, Bogor City, West Java 16128, on November 6 to 7 2023.

Method of collecting data

The data collection method used is an exploratory method by collecting primary data directly in the field based on interviews with employees of the relevant companies and assisted by supporting sources such as literature books and research journals related to database creation and Microsoft Access to support this research data to produce results. accurate and more comprehensive data. Data obtained through interviews includes sales information, goods/product data, and expenditure data. Using this data, a database will be constructed to make it easier for users to access important data related to sales.

Data analysis method

The data analysis method used is a quantitative method by processing data statistically or mathematically which can be obtained from the results of previous data collection (Ali et al., 2022). From the data obtained, it will then be compiled into a database system or database so that later the user will be able to manage the data in a computerized manner so that it can make things easier for the company. (Meiliza et al., 2023). To be able to create a database, you need Database Management System (DBMS) software in Microsoft Access to handle programs with several components as follows. (Ismail, 2020):

A. Tables are the basis of a database

Tables are the main object in the form of a collaboration of rows (records) and columns (fields) which are used to process and store all the data required in database applications (Widyanita et al., 2018). In the table, all quantitative data obtained during the interview is input into the table and then processed into a database. After

all the data has been entered in the table, then determine the unique data or data that is different from the others to be locked using the Primary Key as an identifier and link between the tables. (Rizki & Amijaya, 2019). *Primary Key is a record identity field that is different or unique from other records to connect all tables so that they are related to each other* (Maulidina, 2019). Placing the Primary Key when there is little data will not have a significant effect, but when there is a lot of row data it will affect the speed of reading the data (Pebrianto, 2022). After the unique data has been locked using the Primary Key, the data between tables will be connected by a relationship (Andria, 2015).

B. *Relationship*

A relationship is a combination of previously created tables that are connected to a parent table and will be interconnected from one table to another table (Rizaldi et al., 2018). In creating the KDH Sancang Coffee Shop database using a one-to-one relationship because there are only two tables, namely the main table in the form of goods data and a supporting table in the form of sales data for the month of October 2023. The tables will be connected if and only if the Primary Key placement is correct. then a Relationship will be formed (Dian Noviandri et al., 2022).

C. *Query*

Query is the ability to display data from a database that takes some of the required data from previously created tables, if something is not appropriate then it may not be displayed (Sinuraya, 2017). In creating a sales results database, a query is used to find the total sales results for each product in October 2023.

D. *Form Design*

Form Design is a feature that is used to make it easier for users to display or search for the desired data record and can be presented in an attractive appearance using the features contained in Microsoft Access such as insert picture, button, text box, web browser control, hyperlink, and etc (Michelle Larassati Ayusmara Latukolan et al., 2019).

Result and Discussion

To create a database in the Microsoft Access application itself, there are several stages that must be done sequentially, including creating tables, creating relationships, creating new tables using queries, and finally creating a database design form so that it will produce a database according to cafe needs (Anggraeni et al., 2018). Based on the results of interviews with the coffee shop, we obtained several data that we will process in this database application, including all existing menu names, code for each menu, price per menu, number of sales per menu in October 2023, and also expenditure data per days in October 2023, but we do not use expenditure data in creating the database because what will be used is only goods data and sales data to create a sales results database.

A. *Creating a Table*

The data obtained is arranged in a table to form rows which are then called Records and columns which are then called Fields (Oktarina, 2011). The table that will be used in creating a database consists of a main table which is the center of the data and supporting tables which will later be connected using relationships. Creating a database requires identification and analysis of the relationships between tables and fields so that when creating relationships all tables are connected to each other (Zerlinda et al., 2023).

The master table used in creating the database is the item data table which contains the main components for creating a sales results database, namely the code,

product name and product price. The data sheet view of the item data table can be seen in Figure 1.

Kode	Nama Produk	Harga Satuan	Kode	Nama Produk	Harga Satuan	Kode	Nama Produk	Harga Satuan
BB202	1 Ltr Hazelnut Chocolate	Rp75.000,00	BC213	Yakult Breeze Strawberry	Rp27.000,00	FRB01	Pisang Bakar Cokelat	Rp15.000,00
BB203	1 Ltr Matcha Latte	Rp75.000,00	BC214	Yakult Breeze Lychee	Rp27.000,00	FRB02	Pisang Bakar Keju	Rp15.000,00
BC101	Espresso	Rp12.000,00	BC215	Yakult Breeze Orange	Rp27.000,00	FRB03	Pisang Bakar Cokelat Keju	Rp17.000,00
BC103	Americano	Rp15.000,00	BC217	Dalgona Matcha	Rp25.000,00	FRB04	Rice Crispy Dori with Sauce Tuna Mental	Rp23.000,00
BC104	Black Sweet Coffee	Rp15.000,00	BC219	Lowfat Tea	Rp25.000,00	FRB02	Rice Chicken Korean BBQ	Rp23.000,00
BC105	Kopi Susu	Rp18.046,00	BC381	Brown Sugar Boba Milk	Rp20.000,00	FRB04	Rice Chicken Thai	Rp23.000,00
BC106	Cappuccino	Rp18.000,00	BC382	Brown Sugar Boba Milk Tea	Rp20.000,00	FRB07	Rice Beef Steak	Rp25.000,00
BC108	Coffee Latte	Rp18.000,00	BC383	Salted Caramel Boba Milk	Rp23.000,00	FRM01	Dori Mental	Rp25.000,00
BC109	Caramel Latte	Rp22.000,00	BC384	Green Tea Macchiato	Rp18.000,00	FRM02	Chicken Mental	Rp25.000,00
BC111	Hazelnut Latte	Rp22.000,00	BC385	Lychee Tea Macchiato	Rp23.000,00	FRM01	Roti Bakar Cokelat	Rp15.000,00
BC112	Vanilla Latte	Rp22.000,00	BC387	Strawberry Tea Macchiato	Rp23.000,00	FRM03	Roti Bakar Cokelat Keju	Rp17.000,00
BC114	Matcha Espresso	Rp25.000,00	BC389	Le Merisier Boba	Rp19.000,00	FSM04	Dimsum Mental	Rp19.000,00
BC115	Berry Coffee	Rp30.000,00	BC391	Nutrisari	Rp6.000,00	FSM05	Kentang Goreng	Rp17.000,00
BC116	Coffee Avocado	Rp25.000,00	BC392	Teh Manis	Rp6.000,00	FSM06	Sosis Kentang Goreng	Rp25.000,00
BC117	Matcha Latte	Rp22.000,00	BC393	Nasi Ayam Geprek Sambal Original	Rp19.000,00	FSM07	Pempek Kapal Selam	Rp25.000,00
BC118	Affogato	Rp17.000,00	FA602	Nasi Ayam Geprek Sambal Matah	Rp21.674,00	FSM09	Pempek Kecil 3 Pcs	Rp20.000,00
BC119	Coffee Lite	Rp20.000,00	FA603	Nasi Ayam Geprek Mozarella	Rp26.200,00	FSN10	Cireng	Rp10.000,00
BC120	Fluffy Latte	Rp20.000,00	FA604	Nasi Ayam Geprek Saus Keju Premium	Rp25.000,00	FSN11	Telur Gulung	Rp2.000,00
BC121	Kopi Tubruk	Rp20.000,00	FIN01	Indomie Rebus	Rp8.000,00	FSN12	Telur Gulung Sosis	Rp3.000,00
BC122	Japanese Ice	Rp25.000,00	FIN02	Indomie Goreng	Rp8.000,00	FTO02	Chicken Korean BBQ Toast	Rp23.000,00
BC124	Vietnam Drip	Rp25.000,00	FIN03	Indomie Rebus Telur	Rp12.000,00	FTO05	Smokey Corned Beef & Mushroom	Rp20.000,00
BC201	Chocolate	Rp18.000,00	FIN04	Indomie Goreng Telur	Rp12.000,00	FTO08	Eggss Toast	Rp22.000,00
BC202	Hazelnut Chocolate	Rp22.000,00	FIN05	Indomie Rebus Special	Rp20.000,00			
BC203	Matcha Latte	Rp20.000,00	FIN07	Indomie Mental	Rp19.000,00			
BC204	Red Velvet Latte	Rp18.000,00	FIN08	Nasi Goreng Telur	Rp19.000,00			
BC205	Oreo Ice Blendec	Rp23.000,00	FIN09	Nasi Goreng Sosis	Rp24.000,00			
BC206	Red Caramel Macchiato	Rp23.000,00	FIN23	Nasi Goreng Ayam	Rp14.000,00			
BC207	Thai Tea	Rp18.000,00	FOT01	Nasi	Rp5.000,00			
BC211	Icy Blast Strawberry	Rp25.000,00	FOT02	Toping Boba	Rp4.000,00			
BC213	Icy Blast Lychee	Rp25.000,00	FOT03	Custom Amount	Rp6.987,00			

Figure 1 Data Sheet View Goods Table

Another supporting table that will be used in the database is the sales table which contains supporting or complementary data to create a sales results database, namely the number of goods/products sold in October 2023. The data sheet view of the sales table can be seen in Figure 2.

Nama Produk	Kode	Kategori	Terjual	Nama Produk	Kode	Kategori	Terjual
Kopi Susu	BC105	Kopi	87	Hazelnut Chocolate	BC202	Non Kopi	7
Teh Manis	BC103	Non Kopi	47	Indomie Rebus	FIN01	Indomie	7
Nasi Ayam Geprek Sambal Matah	FA602	Ayam Geprek	43	Brown Sugar Boba Milk Tea	BC302	Boba and Tea	6
Le Merisier 330ml	BC211	Non Kopi	33	Indomie Rebus Special	FIN03	Indomie	6
Telur Gulung	FSN11	Snack	33	Lychee Tea Macchiato	BC305	Boba and Tea	6
Matcha Latte	BC203	Non Kopi	29	Rice Chicken Korean BBQ	FRB02	Rice Bowl	6
Coffee Latte	BC108	Kopi	27	Salted Caramel Boba Milk	BC303	Boba and Tea	6
Red Velvet Latte	BC204	Non Kopi	26	Yakult Breeze Strawberry	BC213	Non Kopi	6
Nasi Ayam Geprek Sambal Original	FA601	Ayam Geprek	26	Oreo Ice Blendec	BC205	Non Kopi	5
Nasi Goreng Telur	FNG01	Nasi Goreng	26	Affogato	BC118	Kopi	5
Chocolate	BC201	Non Kopi	24	Pisang Bakar Keju	FRB02	Pisang Bakar	5
Lemon Tea	BC219	Non Kopi	23	Sosis Kentang Goreng	FSN06	Snack	5
Brown Sugar Boba Milk	BC301	Boba and Tea	21	Yakult Breeze Lychee	BC214	Non Kopi	5
Kentang Goreng	FSN05	Snack	20	Chicken Korean BBQ Toast	FTO02	Toast	5
Cappuccino	BC106	Kopi	17	Roti Bakar Cokelat Keju	FRM03	Roti Bakar	4
Americano	BC103	Kopi	16	Ayam Geprek Saus Keju Premium	FA604	Ayam Geprek	4
Cireng	FSN10	Snack	16	Chicken Mental	FRM02	Rice Mental	4
Thai Tea	BC207	Non Kopi	15	Coffee Avocado	BC116	Kopi	4
Indomie Rebus Telur	FIN03	Indomie	15	Matcha Latte	BC117	Kopi	4
Telur Gulung Sosis	FSN12	Snack	15	Nasi Goreng Ayam	FNG03	Nasi Goreng	4
Hazelnut Latte	BC111	Kopi	14	Pempek Kapal Selam	FSN07	Snack	4
Green Tea Macchiato	BC304	Boba and Tea	11	Pisang Bakar Cokelat	FRB01	Pisang Bakar	4
Caramel Latte	BC109	Kopi	10	Red Caramel Macchiato	BC206	Non Kopi	4
Nasi Ayam Geprek Mozarella	FA603	Ayam Geprek	10	Vanilla Latte	BC112	Kopi	3
Nutrisari	BC104	Non Kopi	10	Smokey Corned Beef & Mushroom	FTO05	Teast	3
Black Sweet Coffee	BC104	Kopi	9	Rice Crispy Dori with Sauce Tuna Mental	FRB01	Rice Bowl	3
Dimsum Mental	FSM04	Snack	9	Matcha Espresso	BC114	Kopi	3
Roti Bakar Cokelat	FRM01	Roti Bakar	9	Espresso	BC101	Kopi	3
Icy Blast Lychee	BC212	Non Kopi	7	Coffee Lite	BC119	Kopi	3
Indomie Goreng	FIN02	Indomie	7	Vietnam Drip	BC124	Kopi	3
Custom Amount	FOT03	Tanpa Kategori	3				
Nasi	FOT01	Lain-Lain	2				
Yakult Breeze Orange	BC215	Non Kopi	2				
Toping Boba	FOT02	Lain-Lain	2				
Pempek Kecil 3 Pcs	FSN09	Snack	2				
Nasi Goreng Sosis	FNG02	Nasi Goreng	2				
Icy Blast Strawberry	BC211	Non Kopi	2				
Berry Coffee	BC115	Kopi	2				
Japanese Ice	BC122	Kopi	2				
Eggss Toast	FTO08	Toast	2				
Dalgona Matcha	BC217	Non Kopi	1				
Rice Chicken Thai	FRB04	Rice Bowl	1				
Rice Beef Steak	FRB07	Rice Bowl	1				
Pisang Bakar Cokelat Keju	FRB03	Pisang Bakar	1				
Kopi Tubruk	BC121	Kopi	1				
Indomie Mental	FIN07	Indomie	1				
Dori Mental	FRM03	Rice Mental	1				
1 Ltr Matcha Latte	BB203	Non Kopi Botolan	1				
1 Ltr Hazelnut Chocolate	BB202	Non Kopi Botolan	1				
Strawberry Tea Macchiato	BC307	Boba and Tea	1				
Indomie Goreng Telur	FIN04	Indomie	1				

Figure 2 Selling Data Sheet View

These two tables will be processed at the next stage to create a database of KDH Sancang sales results which will contain the total sales results for each product in October 2023.

B. Relationship

In the KDH Sancang Coffee Shop database, because the data obtained is only the goods data table as the master table and the sales data table, the Entity Relationship Chart (ERC) used is one-to-one to connect the goods data field (master data) to the sales data field (supporting data). Relationships are the basis for creating a database because data from one table will be connected to another table so that they are related or connected to each other (Rizaldi et al., 2018).

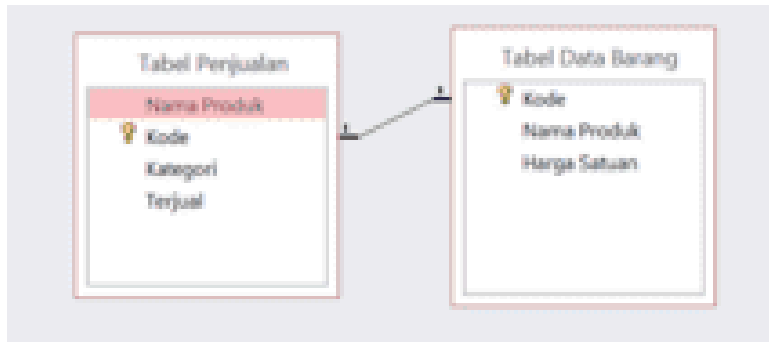


Figure 3 Relationship

In the relationship above, it can be seen that the sales table and goods data table are connected one-to-one with the "code" field which is locked using a Primary Key which is a field that has a unique value and each data in the field will not be the same as being used as a reference for defining a row or data record, apart from that, this Relationship will make it easier when creating queries (Wibagso & Lia, 2020).

C. Query

In creating a sales results database, the Query functions to generate new data that is needed by using a collaboration formula for previous data, and in the Query there is a process of selecting or filtering the required data so that not all data that has been created in the table can be entered but only those that meet the criteria will be displayed (Oktarina, 2011). In the context of creating the KDH Sancang Coffee Shop database, a query is used to generate new data, namely Total Sales Per Product by calculating using the formula [Total Sales Per Product]: [Unit Price]*[Sold]. By applying this formula, a new table will appear containing data on the results of the formula operation as shown in Figure 4.

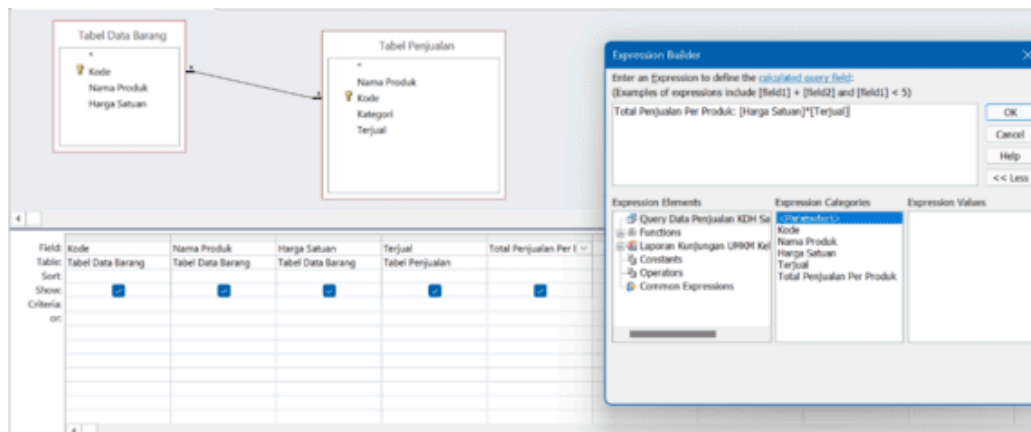


Figure 4 Design View Query

The results of the Query design can be displayed after all the required data has been selected in the Query by selecting the "Run" option in the Microsoft Access toolbar. Then the results of the query are obtained which are shown in Figure 5.

Kode	Nama Produk	Harga Satuan	Terjual	Total Penjualan Per Produk
BC109	Kopi Susu	Rp18.046,00	87	Rp1.570.002,00
BC103	Teh Manis	Rp6.000,00	47	Rp282.000,00
FAG02	Nasi Ayam Geprek Sambal Matah	Rp21.674,00	43	Rp931.982,00
BC101	Lu Minerale 300ml	Rp6.000,00	38	Rp228.000,00
FSN11	Telur Gulung	Rp2.000,00	33	Rp66.000,00
BC203	Matcha Latte	Rp20.000,00	29	Rp580.000,00
BC108	Coffee Latte	Rp18.000,00	27	Rp486.000,00
FAG01	Nasi Ayam Geprek Sambal Original	Rp20.000,00	26	Rp520.000,00
FNG01	Nasi Goreng Telor	Rp19.000,00	26	Rp494.000,00
BC204	Red Velvet Latte	Rp18.000,00	26	Rp468.000,00
BC201	Chocolate	Rp18.000,00	24	Rp432.000,00
BC219	Lemon Tea	Rp15.000,00	23	Rp345.000,00
BC301	Brown Sugar Boba Milk	Rp20.000,00	21	Rp420.000,00
FSN05	Kentang Goreng	Rp17.000,00	20	Rp340.000,00
BC106	Cappuccino	Rp18.000,00	17	Rp306.000,00
BC103	Americano	Rp15.000,00	16	Rp240.000,00
FSN10	Cireng	Rp10.000,00	16	Rp160.000,00
FNG03	Indomie Rebus Telur	Rp12.000,00	15	Rp180.000,00
FSN12	Telur Gulung Sosis	Rp3.000,00	15	Rp45.000,00
BC207	Thai Tea	Rp18.000,00	15	Rp270.000,00
BC111	Hazelnut Latte	Rp22.000,00	14	Rp308.000,00
BC206	Green Tea Macchiato	Rp18.000,00	11	Rp198.000,00
BC109	Caramel Latte	Rp22.000,00	10	Rp220.000,00
FAG03	Nasi Ayam Geprek Mozarella	Rp26.200,00	10	Rp262.000,00
BC102	Hutirasi	Rp6.000,00	10	Rp60.000,00
BC104	Black Sweet Coffee	Rp15.000,00	9	Rp135.000,00
FSN04	Dimsum Mental	Rp19.000,00	9	Rp171.000,00
FRT01	Roti Bakar Cokelat	Rp15.000,00	9	Rp135.000,00
BC202	Hazelnut Chocolate	Rp22.000,00	7	Rp154.000,00
BC212	Icy Blast Lychee	Rp25.000,00	7	Rp175.000,00
FIN02	Indomie Goreng	Rp8.000,00	7	Rp56.000,00
FIN01	Indomie Rebus	Rp8.000,00	7	Rp56.000,00
BC302	Brown Sugar Boba Milk Tea	Rp20.000,00	6	Rp120.000,00
FNG05	Indomie Rebus Special	Rp20.000,00	6	Rp120.000,00
BC305	Lychee Tea Macchiato	Rp23.000,00	6	Rp138.000,00
FRB02	Rice Chicken Korean BBQ	Rp23.000,00	6	Rp138.000,00
BC303	Salted Caramel Boba Milk	Rp23.000,00	6	Rp138.000,00
BC213	Yakult Breeze Strawberry	Rp27.000,00	6	Rp162.000,00
BC118	Alfagato	Rp17.000,00	5	Rp85.000,00
FT002	Chicken Korean BBQ Toast	Rp23.000,00	5	Rp115.000,00
BC205	Cheo Ice Blended	Rp23.000,00	5	Rp115.000,00
FPB02	Pisang Bakar Keju	Rp15.000,00	5	Rp75.000,00
FSN06	Sosis Kentang Goreng	Rp25.000,00	5	Rp125.000,00
BC214	Yakult Breeze Lychee	Rp27.000,00	5	Rp135.000,00
FAG04	Ayam Geprek Saus Keju Premium	Rp25.000,00	4	Rp100.000,00
FRM02	Chicken Mental	Rp25.000,00	4	Rp100.000,00
BC116	Coffee Avocado	Rp25.000,00	4	Rp100.000,00
BC117	Macchiato	Rp22.000,00	4	Rp88.000,00
FNG03	Nasi Goreng Ayam	Rp24.000,00	4	Rp96.000,00
FSN07	Pempek Kapal Selam	Rp25.000,00	4	Rp100.000,00
FRB01	Pisang Bakar Cokelat	Rp15.000,00	4	Rp60.000,00
BC206	Begal Caramel Macchiato	Rp23.000,00	4	Rp92.000,00
FRT03	Roti Bakar Cokelat Keju	Rp17.000,00	4	Rp68.000,00
BC119	Coffee Lite	Rp20.000,00	3	Rp60.000,00
FT003	Custom Amount	Rp6.567,00	3	Rp20.001,00
BC101	Espresso	Rp12.000,00	3	Rp36.000,00
BC114	Matcha Espresso	Rp25.000,00	3	Rp75.000,00
FRB01	Rice Crispy Dori with Sauce Tuna Mental	Rp23.000,00	3	Rp69.000,00
FT005	Smiley Corned Beef & Mushroom	Rp20.000,00	3	Rp60.000,00
BC112	Vanilla Latte	Rp22.000,00	3	Rp66.000,00

Kode	Nama Produk	Harga Satuan	Terjual	Total Penjualan Per Produk
BC124	Vietnam Drip	Rp25.000,00	3	Rp75.000,00
BC115	Berry Coffee	Rp20.000,00	2	Rp40.000,00
FT008	Eggis Toast	Rp22.000,00	2	Rp44.000,00
BC120	Fluffy Latte	Rp20.000,00	2	Rp40.000,00
BC211	Icy Blast Strawberry	Rp25.000,00	2	Rp50.000,00
BC122	Japanese Ice	Rp25.000,00	2	Rp50.000,00
FOT01	Nasi	Rp5.000,00	2	Rp10.000,00
FNG02	Nasi Goreng Sosis	Rp24.000,00	2	Rp48.000,00
FSN09	Pempek Kecil 3 Pcs	Rp20.000,00	2	Rp40.000,00
FOT02	Topping Boba	Rp4.000,00	2	Rp8.000,00
BC215	Yakult Breeze Orange	Rp27.000,00	2	Rp54.000,00
BB202	1 Ltr Hazelnut Chocolate	Rp75.000,00	1	Rp75.000,00
BB203	1 Ltr Matcha Latte	Rp75.000,00	1	Rp75.000,00
BC217	Dalgona Matcha	Rp25.000,00	1	Rp25.000,00
FRM01	Dori Mental	Rp25.000,00	1	Rp25.000,00
FIN04	Indomie Goreng Telor	Rp12.000,00	1	Rp12.000,00
FIN07	Indomie Mental	Rp25.000,00	1	Rp25.000,00
BC121	Kopi Tubruk	Rp20.000,00	1	Rp20.000,00
FPB03	Pisang Bakar Cokelat Keju	Rp17.000,00	1	Rp17.000,00
FRB07	Rice Beef Steak	Rp25.000,00	1	Rp25.000,00
FRB04	Rice Chicken Thai	Rp23.000,00	1	Rp23.000,00
BC307	Strawberry Tea Macchiato	Rp23.000,00	1	Rp23.000,00

Figure 5 Query Result

D. Form Design

Form Design in Microsoft Access is a data input medium that can be displayed using an attractive appearance and can be modified according to taste or according to company needs (Anto et al., 2020). Forms are used with the aim of making it easier for users to access the desired table data (Meiliza et al., 2023). Form Design will provide a summary of sales data that has been made clearly and can be easily accessed without looking at the data in the table one by one. The results of the KDH Sancang Coffee Shop Database Design Form can be seen in Figure 6.

Figure 6 Form Design Result

The form can be modified according to the company's needs, as shown in the form, various navigation buttons are added to make it easier for users to move from one data to another, which consists of go to first record, go to previous record, and go to next record, go to last record.

Conclusion

Based on the results and discussions that have been made, it can be concluded that creating a database can manage all data entered into Microsoft Access. The sales results database can show the total sales results for each product during October, users can easily access the necessary data without having to look one by one in a table containing dozens of data.

References

- Aziz, A. (2012). Pemanfaatan Teknologi Informasi dalam Pengembangan Bisnis Pos information technology utilization in business post. *Puslitbang Sumber Daya Dan Perangkat Pos Dan Informatika*, 10(1), 35–50.
- Charzon. (2018). Pengertian Dan Fungsi Database Untuk Program Delphi. *Fakultas Komputer Section Class Content*, 1–22.
- Duggan, M., Roderick, D. R., & Sieburg, J. (1970). Data bases. *Proceedings of the 1970 25th Annual Conference on Computers and Crisis: How Computers Are Shaping Our Future, ACM 1970*, 1–7. <https://doi.org/10.1145/1147282.1147284>
- Hidayat, A. P., Santosa, S. H., & Siskandar, R. (2022). Penentuan Jumlah Kebutuhan Bahan Baku Berdasarkan Distribusi Barang Ideal di IKM Tepung Tapioka Kabupaten Bogor. *Jurnal INTECH Teknik Industri Universitas Serang Raya*, 8(1), 23–28. <https://doi.org/10.30656/intech.v8i1.4400>
- Hikam, H. M., & Pradana, B. I. (2019). *Implementasi Strategi Inovasi Amstirdam Coffee Shop Untuk Menghadapi Persaingan*. 1–14.
- Maellah, M. (2018). Peran LPTK Dalam Pengembangan Pendidikan Vokasi di Indonesia Peran LPTK Dalam Pengembangan Pendidikan Vokasi di Indonesia. *Seminar Internasional*, ISSN, 1907–2066, 231–238. http://scholar.google.co.id/scholar_url?url=https%3A%2F%2Fjournal.undiksha.ac.id%2Findex.php%2FAPTEKINDO%2Farticle%2Fdownload%2F67%2F61&hl=id&sa=T&oi=ggp&ct=res&cd=0&d=14192830186105454022&ei=SeJIXq3xEYaE6rQP6fW_6AY&scisig=AAGBfm1hUUS4keDxCiUc3DRNw6YBHm
- Nur, H. (2019). Penggunaan Metode Waterfall Dalam Rancang Bangun Sistem Informasi Penjualan. *Generation Journal*, 3(1), 1. <https://doi.org/10.29407/gj.v3i1.12642>
- Purwanto, E., Utomo, B. P. C., & Permatasari, H.-. (2021). Sistem Informasi Evaluasi Penjualan (Studi Kasus: Toko XYZ). *Bianglala Informatika*, 9(1), 1–5. <https://doi.org/10.31294/bi.v9i1.9525>
- Universitas Negeri Yogyakarta. (2015). *Materi Microsoft Access 2010*. 12–15.
- Anggraeni, D., Aswati, S., Maulina Azmi, S. R., Akmal, A., Dewi, M., & Anwar, K. (2018). Membangun Database Menggunakan Microsoft Access 2007. *Jurdimas (Jurnal Pengabdian Kepada Masyarakat) Royal*, 1(1), 7–14. <https://doi.org/10.33330/jurdimas.v1i1.381>
- Anto, A. W., Noerman Syah, A. L., Priatna Sari, Y., & Zul Fauzi, A. (2020). Desain Database Menggunakan Microsoft Access Pada Siswa-Siswi SMK PGRI Kabupaten Brebes. *ABDIMAS: Jurnal Pengabdian Masyarakat*, 3(2), 367–371. <https://doi.org/10.35568/abdimas.v3i2.643>
- Meiliza, A., Priatna, P., Calulla Nur, A., Rizal, A. A., Irmaniansyah, D., Pramudito, T., & Hariyadi, G. (2023). Pengembangan Aplikasi Database Analisa Penjualan pada Perusahaan Maju Makmur Development of Sales Analysis Database Application at Maju Makmur Company. *Indonesian Journal of Science*, 4(1), 19–26. <http://journal.pusatsains.com/index.php/jsi>
- Oktarina, N. dan A. K. (2011). Pembelajaran Berbasis It Aplikasi Program. *Jurnal Penelitian Pendidikan*, 29(2), 158–168.
- Rizaldi, R., Anggraeni, D., & Zikra Syah, A. (2018). Tips Dan Trik Membangun Relationship Dan Query Dalam Database. *Jurdimas (Jurnal Pengabdian Kepada Masyarakat) Royal*, 1(2), 45–50. <https://doi.org/10.33330/jurdimas.v1i2.110>
- Wibagso, S. S., & Lia, E. (2020). Desain Model Database Layanan Panti Werdha dengan Menerapkan Metode Database Life Cycle. *Jurnal Teknik Informatika Dan Sistem Informasi*, 6(3), 573–588. <https://doi.org/10.28932/jutisi.v6i3.3047>
- Zerlinda, F. M., Zulfa Zaidan, M., Fisrawati, Hadias Safitri, N., & Fathan Nabil Al-Badi, M. (2023). Aplikasi Database Untuk Mengelola Persediaan Barang di Toko Baju

D'Clothing Menggunakan Pendekatan Entity Relationship Chart. *Jurnal Sains Indonesia*, 4(1), 68–75. <https://doi.org/10.59897/jsi.v4i1.124>