

DRUG SALES APPLICATION PROGRAM AT Y FARMA IN KUNINGAN

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Article Information:

Received

Revised

Accepted

Keywords:

programs; drug sales application; customer service and satisfaction

Abstract

In order to improve customer service and satisfaction. As well as to follow the competition of the present, then in the process of data processing must be fast and accurate. Therefore, informatics technology in the form of computers is very important in the midst of the company's activities in an effort to improve the company's performance in achieving progress. For data collection by this method, the author may gather information relevant to topics and problems that will or is being researched, by studying scientific books, the internet, scientific papers, theses and dissertations, yearbooks, rules, encyclopedias and written and electronic sources

Introduction

Sales play an important role in businesses engaged in trading. This is because sales have a function as a source of income (Purnomo, 2017). Pharmacy Y is a business that is engaged in the sale of drugs in retail where buyers make sales transactions directly by coming to the store. Recording of transactions is still done manually and has shortcomings in terms of the data search process which still takes a long time, the accumulation of files with the risk of losing data so that it is often difficult to find out the results of the sale of goods. For this reason, a sales application was made at the pharmacy that was able to overcome the problem that happened (Imansari, 2016).

Potik is one type of business in the field of medicine that really requires a data processing information system to simplify and expedite its performance. Currently, there are still a lot of writing or recording of data (drugs) at pharmacies that are done conventionally. Quite a lot of pharmacies are still empowering human labor to process the existing data in order to facilitate their business (Ariestya, Praptiningsih, & Saputra, 2017).

Pharmacy Y is one of the pharmacies that regulates management in a conventional manner, namely processing data by recording both sales and purchases of goods into a book (Tambariki, 2016). Because the conventional system makes the pharmacy's performance less effective and efficient. And for the process of calculating drug sales using only conventional methods, namely by using a calculator (Binarto, 2012). To calculate and process drug sales data that is done conventionally will take a lot of time and effort, not to mention errors that are prone to occur. Usually the incoming data will be recorded in a book, this recording is not an easy job and besides it takes time it is also very draining. In addition, the preparation of data on existing pharmacies will also be hampered by the implementation of conventional management methods (Malanua, 2019).

How to cite:

Farizki.R, (2020), Drug Sales Application Program at Y Farma in Kuningan, 1 (2) *Journal of Business, Social and Technology (Bustechno)* <https://doi.org/10.59261/jbt.v1i2.40>

E-ISSN:

<2807-6362>

Published by:

Politeknik Siber Cerdika Internasional

In the era of globalization, technology development is very rapid. One of them is the development of computerized technology. In the development of computerized technology, its use in data management and management is very necessary. Because the advantages of this computerized technology is that it can produce precise and accurate information (Indrajani, 2014). The development of computerized technology has developed in the world of health. For example, computerized technology in pharmacies-pharmacies. Pharmacy is a certain place where pharmaceutical work is carried out and distribution of pharmaceutical preparations, other health supplies to the public, based on the Decree of the Minister of Health No. 1027/MenKes/SK/IX/2004 concerning Pharmaceutical Services at Pharmacies. Pharmacies in the Prabumulih City environment in processing drug data, checking drug supplies and transactions (Purbasari, 2017).

In order to improve customer service and satisfaction. As well as to follow the competition of the present, then in the process of data processing must be fast and accurate. Therefore, informatics technology in the form of computers is very important in the midst of the company's activities in an effort to improve the company's performance in achieving progress (Komputer, 2010).

In reality there is, often incorrect and inaccurate data occurs. So there is often data loss, due to lack of efficiency in the process of data processing carried out on mustika farma, so there is a decrease in turnover in sales (Sutabri, 2012).

Based on the inaccuracy of data in a data processing in mustika farma still use the ledbook, so often there are errors and data loss in the processing process. So with the background above the author gave the title of This Final Task "Drug Sales Application Program At Mustika Farma In Bekasi".

Method

In the creation of this final task, the author requires all information and data obtained by a method of data collection that is voluntary and related to the needs of completing the Final Task. The methods carried out as follows:

1. Field Studies

It is a research design that combines literature searches and surveys based on experience or case studies where researchers attempt to identify important variables and balance between them in a particular problem. Field studies can include observations and interviews of the objects studied.

a. Observation

The method is carried out to systematically identify data done either by paying attention directly or indirectly to the objects studied and taking visual data according to research needs so that no data is missed in the creation of sales application programs on mustika farma using visual basic 6.0 and Microsoft access.

b. Interview

Is a technique of collecting data, news, facts and information in the field that the process can be done by asking directly to the parties who can provide information about the problem that is being researched or indirectly such as making telephone, email and letter (written interview).

2. Literature Studies

For data collection by this method, the author may gather information relevant to topics and problems that will or is being researched, by studying scientific books, the internet, scientific papers, theses and dissertations, yearbooks, rules, encyclopedias and written and electronic sources.

Results and Discussion

A. System Design

1. Entity Relationship Diagram / ERD

Journal of Business, Social and Technology (Bustechno), Vol.1 No.2, July 2020
Drug Sales Application Program at Y Farma in Kuningan

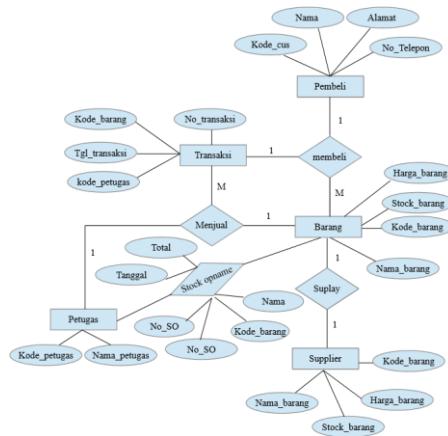


Figure 1
Entity Relationship

Diagram 1. Program View Design

a. Login Display Screen Design

The login screen design features three text input fields:

- Kode petugas :
- Nama :
- Paswword:

At the bottom are two buttons: **Masuk** and **Batal**.

Figure 2 Login View

b. Main Menu Screen Display Design

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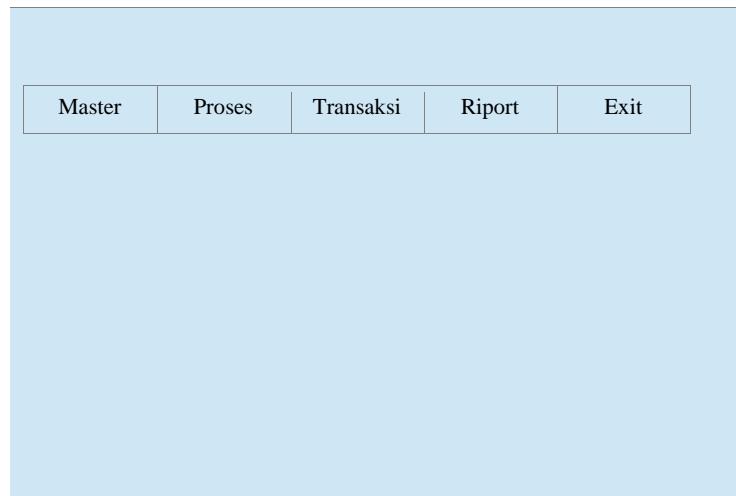


Figure 3
Main Menu View

C. Inventory Display Screen Design

A screenshot of a Windows-style application window titled 'Drug Sales Application Program at Y Farma in Kuningan'. The window has a light blue header bar. Below the header is a horizontal menu bar with five items: 'Master', 'Proses', 'Transaksi', 'Riport', and 'Exit'. The main body of the window contains four text input fields with labels: 'Kode barang :', 'Nama :', 'Harga :', and 'Stock :'. To the right of these fields are two buttons: 'Cari' and 'Ke menu'. Below the input fields is a large empty rectangular area for displaying results.

Figure 4
Display Inventory

c. Rancangan Tampilan Customer

A screenshot of a Windows-style application window titled 'Drug Sales Application Program at Y Farma in Kuningan'. The window has a light blue header bar. Below the header is a horizontal menu bar with five items: 'Master', 'Proses', 'Transaksi', 'Riport', and 'Exit'. The main body of the window contains four text input fields with labels: 'Kode Customer :', 'Nama :', 'Alamat :', and 'Telepone :'. Below these fields are three buttons: 'Simpan', 'Hapus', and 'Keluar'. Below the buttons is a large empty rectangular area for displaying results.

Figure 5
Customer View Design

d. Officer Screen Display Design



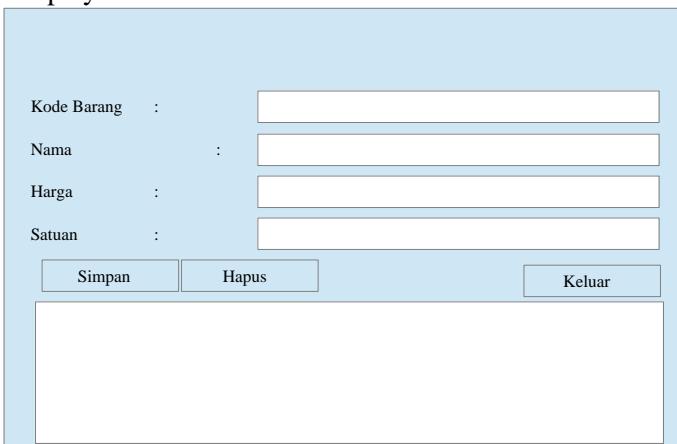
The form is a light blue rectangle with a white content area. It contains four text input fields for 'Kode user', 'Nama', 'Jabatan', and 'password'. Below these is a large empty rectangular box. At the bottom are three buttons: 'Simpan', 'Hapus', and 'Ke menu'.

Kode user	:	
Nama	:	
Jabatan	:	
password	:	

Simpan Hapus Ke menu

Figure 6
Officer Display

e. Rancanga Display Goods



The form is a light blue rectangle with a white content area. It contains four text input fields for 'Kode Barang', 'Nama', 'Harga', and 'Satuan'. Below these is a large empty rectangular box. At the bottom are three buttons: 'Simpan', 'Hapus', and 'Keluar'.

Kode Barang	:	
Nama	:	
Harga	:	
Satuan	:	

Simpan Hapus Keluar

Figure 7 Display of
Goods Data

f. Supplier Display Design

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Drug Sales Application Program at Y Farma in Kuningan

	Kode suplayer : <input type="text"/> Nama : <input type="text"/> Alamat : <input type="text"/> Telephone : <input type="text"/>
	<input type="button" value="Simpan"/> <input type="button" value="Hapus"/> <input type="button" value="Keluar"/>

Figure 8
Display Suplayer

g. Stock Ofname Display View

No transaksi : <input type="text"/>	Kode petugas : <input type="text"/>															
Tanggal : <input type="text"/>	Nama : <input type="text"/>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Kode barang</th> <th style="width: 30%;">Nama</th> <th style="width: 15%;">Harga</th> <th style="width: 15%;">Jumlah</th> <th style="width: 15%;">Total</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td colspan="5" style="height: 100px;"></td> </tr> </tbody> </table>		Kode barang	Nama	Harga	Jumlah	Total	<input type="text"/>									
Kode barang	Nama	Harga	Jumlah	Total												
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>												
<input type="button" value="Tambah"/>																
Total barang <input type="text"/> Total bayar <input type="text"/> Bayar <input type="text"/> <input type="button" value="Cetak"/> <input type="button" value="Simpan"/> <input type="button" value="Keluar"/>																

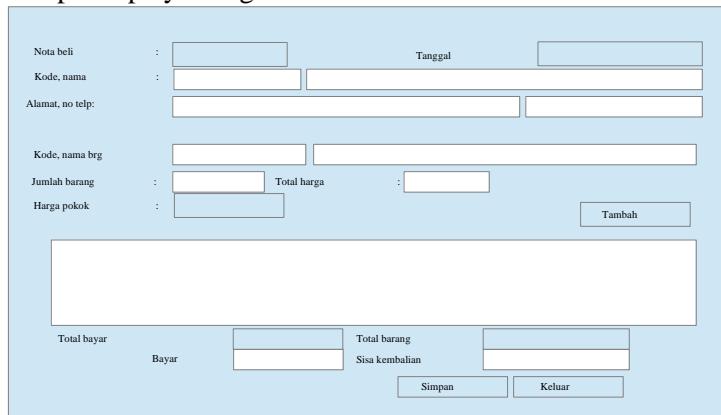
Figure 9
Stock Display Ofname

h. Sales View Design

No transaksi : <input type="text"/>	Kode petugas : <input type="text"/>															
Tanggal : <input type="text"/>	Nama : <input type="text"/>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Kode barang</th> <th style="width: 30%;">Nama</th> <th style="width: 15%;">Harga</th> <th style="width: 15%;">Jumlah</th> <th style="width: 15%;">Total</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td colspan="5" style="height: 100px;"></td> </tr> </tbody> </table>		Kode barang	Nama	Harga	Jumlah	Total	<input type="text"/>									
Kode barang	Nama	Harga	Jumlah	Total												
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>												
<input type="button" value="Tambah"/>																
<input type="button" value="Hapus"/> <input type="button" value="Simpan"/> <input type="button" value="Cetak"/> <input type="button" value="Keluar"/>																
Total barang <input type="text"/> Total bayar <input type="text"/> Bayar <input type="text"/> Kembalian <input type="text"/>																

Figure 10
Sales View

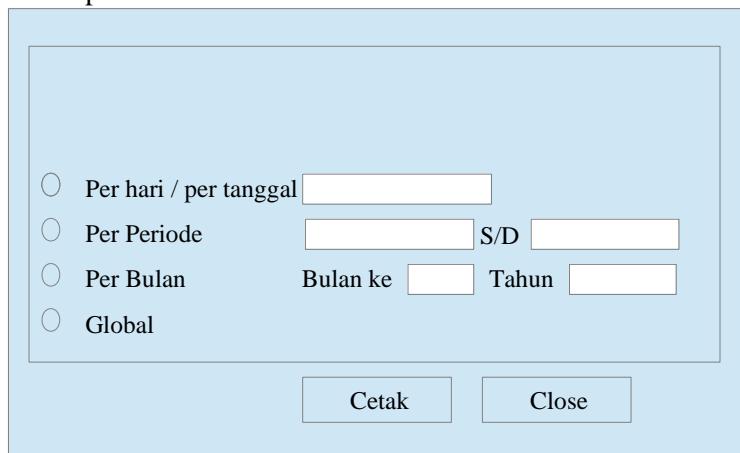
i. Goods Receipt Display Design



This form is for displaying a goods receipt. It includes fields for Nota beli (Nota Beli), Tanggal (Date), Kode, nama (Code, Name), Alamat, no telp (Address, Phone Number), Kode, nama brg (Code, Name of Item), Jumlah barang (Quantity), Total harga (Total Price), Harga pokok (Cost Price), and a Tambah (Add) button. At the bottom, there are fields for Total bayar (Total Pay), Bayar (Pay), Total barang (Total Item), Sisa kembalian (Change), and buttons for Simpan (Save) and Keluar (Exit).

Figure 11
Display of Goods Receipt

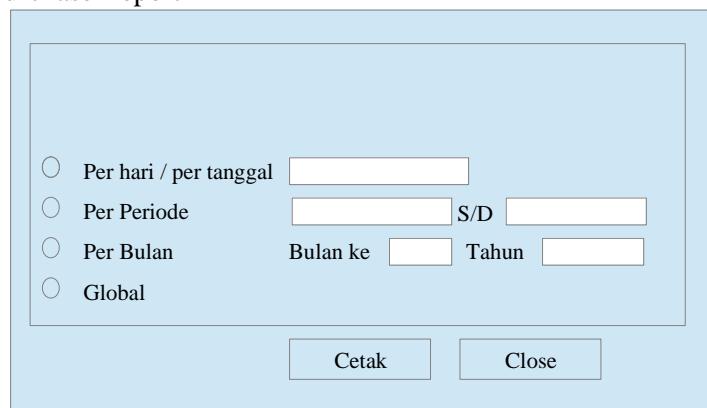
j. Draft Sales Report



This form is for drafting a sales report. It contains four radio button options: 'Per hari / per tanggal' (Per Day / Per Date) with a date input field, 'Per Periode' (Per Period) with start and end date inputs, 'Per Bulan' (Per Month) with a month input and a 'Bulan ke' (Month No.) input, and 'Global'. At the bottom are Cetak (Print) and Close buttons.

Figure 12
Sales Report

k. Design Purchase Report



This form is for designing a purchase report. It contains four radio button options: 'Per hari / per tanggal' (Per Day / Per Date) with a date input field, 'Per Periode' (Per Period) with start and end date inputs, 'Per Bulan' (Per Month) with a month input and a 'Bulan ke' (Month No.) input, and 'Global'. At the bottom are Cetak (Print) and Close buttons.

Figure 13

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E-ISSN:

2807-6362

Published by:

Politeknik Siber Cerdika Internasional

Purchase Report

1. Draft Stock Opname Report

Figure 14
Stock Opname Report

2. Implementation

1. Relationships Between Tables

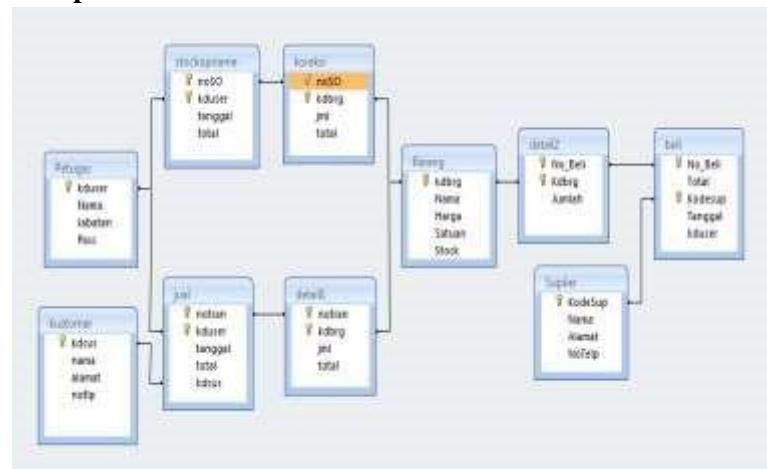


Figure 15
Relationships Between Tables

2. Database Structure

a. Officer Table

Database Name : Officer
 Media : Harddisk
 Key Field : kduser
 Organization Files : Microsoft Access

Table 1

Database Structure officer

No	Name	Type	Size	Description
1	Kduser	Text	7	Primery Key
2	Name	Text	25	
3	Position	Text	20	

4	Pass	Text	8
---	------	------	---

b. Goods Table

Database Name : Goods
 Media : Harddisk
 Key Field : kdbrg
 Organization Files : Microsoft Access

Table 2

Goods Database Structure

No	Name	Type	Size	Description
1	Kdbrg	Text	13	Primery Key
2	Name	Text	25	
3	Price	Number		
4	Unit	Text	10	
5	Stock	Number		

c. Custom Tables

Database Name : Customer
 Media : Harddisk
 Key Field : kdcus
 Organisasi File : Microsoft Access

Table 3
Custom Database Structure

No	Name	Type	Size	Description
1	Kdcus	Text	10	Primery Key
2	Name	Text	25	
3	Address	Text	30	
4	No phone	Text	14	

d. Table Stock Opname

Database Name : Stockopname
 Media : Harddisk
 Key Field : Noso
 Organization Files: Microsoft Access

Table 4
Opnam Stock Database Structure

No	Nama	Type	Size	Description
1	Noso	Text	6	Primery Key
2	Kduser	Text	7	
3	Date	Date/Time		
4	Total	Text	10	

e. Table koreksi

Database Name : Koreksi
 Media : Harddisk
 Key Field : Noso

Organization Files: Microsoft Access

Table 5
Correction Database Structure

No	Name	Type	Size	Keterangan
1	Noso	Text	6	Primery Key
2	Kdbrg	Text	13	
3	Amount	Text	6	
4	Total	Text	10	

f. Tabel Jual

Nama Database : Jual

Media : Harddisk

Key Field : notran

Organization Files: Microsoft Access

Table 6
Sell Database Structure

No	Name	Type	Size	Description
1	Notran	Text	6	Primery Key
2	Kduser	Text	7	
3	Date	Date/Time		
4	Total	Text	10	
5	Kdcus	Text	10	

g. Tabel detail1

Database Name : Detail1

Media : Harddisk

Key Field : notran

Organization Files: Microsoft Access

Table 7
Database Structure Details1

No	Name	Type	Size	Description
1	Notran	Text	6	Primery Key
2	Kdbrg	Text	13	
3	Amount	Text	6	
4	Total	Text	10	
5	Kdcus	Text	10	

h. Table Supplier

Database Name : Suplier

Media : Harddisk

Key Field : kodesup

Organization Files: Microsoft Access

Tabel 8
Struktur Database Supplier

No	Nama	Type	Size	Keterangan
1	Kodesup	Text	6	Primery Key

2	Nama	Text	35
3	Alamat	Text	50
4	Notelp	Text	14

i. Tabel Beli

Nama Database : Beli

Media : Harddisk

Key Field : No_Beli

Organisasi File : Microsoft Access

Tabel 9
Struktur Database Beli

No	Nama	Type	Size	Keterangan
1	No_Sell	Text	6	Primery Key
2	Total	Currency		
3	Kodesup	Text	6	
4	Date	Date/Time		
5	Kduser	Text	7	

j. Table Detail 2

Database Name : Detail2

Media : Harddisk

Key Field : Noso

Organization Files : Microsoft Access

Table 10
Database Structure Details2

No	Name	Type	Size	Description
1	No_Sell	Text	6	Primery Key
2	Kdbrg	Text	13	
3	Amount	Numeric		

3. Program input and output display

a. Program input view

- 1) Form login

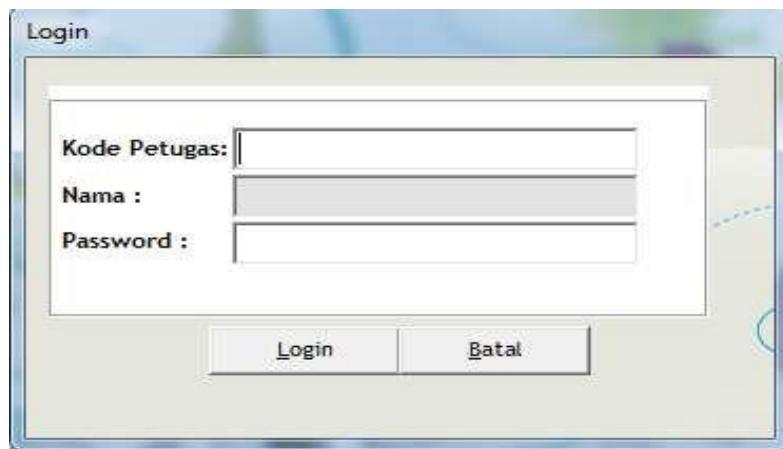


Figure 16
Form login

2) Form Main menu

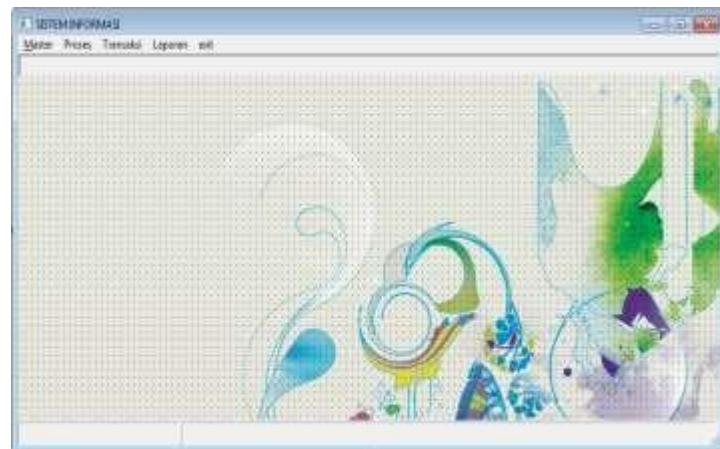


Figure 17
Main Menu Form

3) Form Inventory

A screenshot of a Windows-style application window titled "Data Barang". The title bar also includes "Data Inventori". The interface has a search section with fields for "KODE BARANG", "NAMA", "HARGA", and "STOK", each with a corresponding input box. To the right of these fields are two buttons: "CARI" and "KE MENU". Below the search section is a table titled "Inventori" showing a list of items with columns for "Kode barang", "Nama", "Harga", "Satuan", and "Stock".

Kode barang	Nama	Harga	Satuan	Stock
328	mayo 10 g	4000	pcs	5
541	selection 180 pcs	10000	pcs	5
11334	jdhdgdg	87566	pcs	
351531	dhdth	4363463	pcs	

Gambar 18
Form Inventory

4) Form Customer

The screenshot shows a Windows application window titled 'Data Customer'. At the top, there are four text input fields: 'Kode Customer' (containing '123'), 'Name' (containing 'Jajang nur'), 'Alamat' (containing 'jl. cipendawa'), and 'No Telepon' (containing '098676575'). Below these fields are three buttons: 'Simpan', 'Hapus', and 'Keluar'. Underneath the input fields is a table with four columns: 'Kode Customer', 'Name', 'Alamat', and 'No Telepon'. The table contains two rows of data: one for '123 Jajang nur jl. cipendawa 098676575' and another for '124 Jainudin jl. juanda 021/878685'. At the bottom of the window are scroll bars.

Gambar 19
Form Customer

5) Form Officer

The screenshot shows a Windows application window titled 'SISTEM INFORMASI - [Petugas]'. The menu bar includes 'Master', 'Proses', 'Transaksi', 'Laporan', and 'exit'. At the top, there are four text input fields: 'User Id' (containing '1207'), 'Nama' (containing 'jajang'), 'Jabatan' (containing 'Kepala Toko'), and 'Password' (containing '1234'). Below these fields are three buttons: 'Simpan', 'Hapus', and 'Kemenu'. Underneath the input fields is a table with three columns: 'UserID', 'Nama', and 'Jabatan'. The table contains three rows of data: '1207 jajang Kepala Toko', '1208 adit Asisten Kepala Toko', and '1209 adi Crew'. At the bottom of the window are scroll bars.

Figure 20
Officer Form

6) Form Goods

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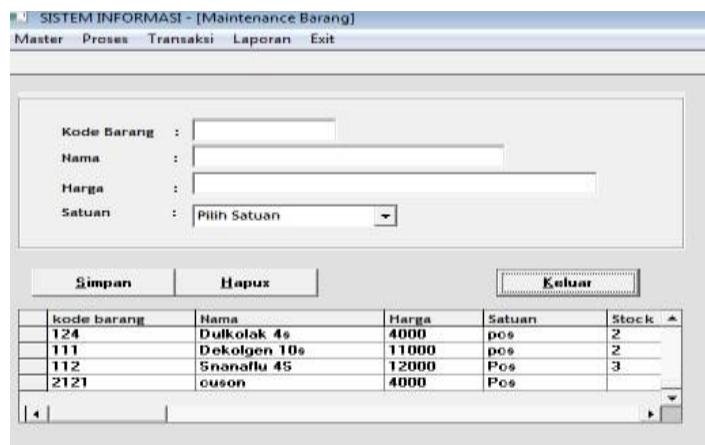
E-ISSN:

2807-6362

Published by:

Politeknik Siber Cerdika Internasional

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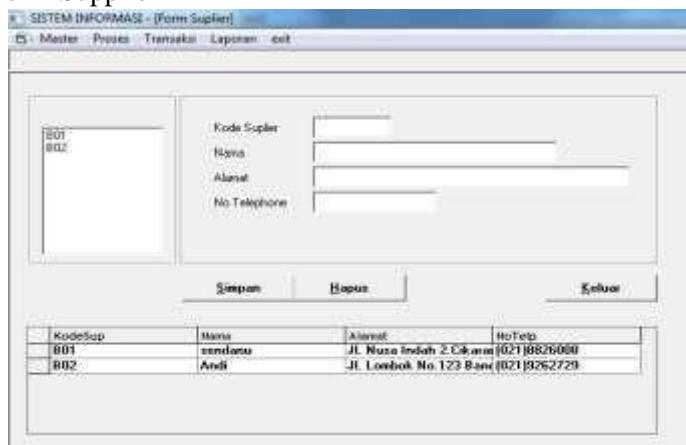


The screenshot shows a Windows application window titled 'SISTEM INFORMASI - [Maintenance Barang]'. The menu bar includes 'Master', 'Proses', 'Transaksi', 'Laporan', and 'Exit'. The main area has input fields for 'Kode Barang', 'Nama', 'Harga', and 'Satuan' (with a dropdown menu 'Pilih Satuan'). Below these are three buttons: 'Simpan', 'Hapus', and 'Keluar'. A table lists items with the following data:

Kode barang	Nama	Harga	Satuan	Stock
124	Dulkolak 4s	4000	pos	2
111	Dekolgen 10s	11000	pos	2
112	Snanaflu 45	12000	Pos	3
2121	ouson	4000	Pos	

Gambar 21
Form Goods

7) Form Supplier



The screenshot shows a Windows application window titled 'SISTEM INFORMASI - [Form Supplier]'. The menu bar includes 'Master', 'Proses', 'Transaksi', 'Laporan', and 'Exit'. The main area has input fields for 'Kode Suplier', 'Nama', 'Alamat', and 'No Telephone'. Below these are three buttons: 'Simpan', 'Hapus', and 'Keluar'. A table lists suppliers with the following data:

KodeSup	Nama	Alamat	NoTelep
001	sendoku	JL. Nusa Indah 2 Cikarang	(021)8826008
002	Andi	Jl. Lombok No.123 Bandung	(021)9262729

Gambar 22
Form Supplier

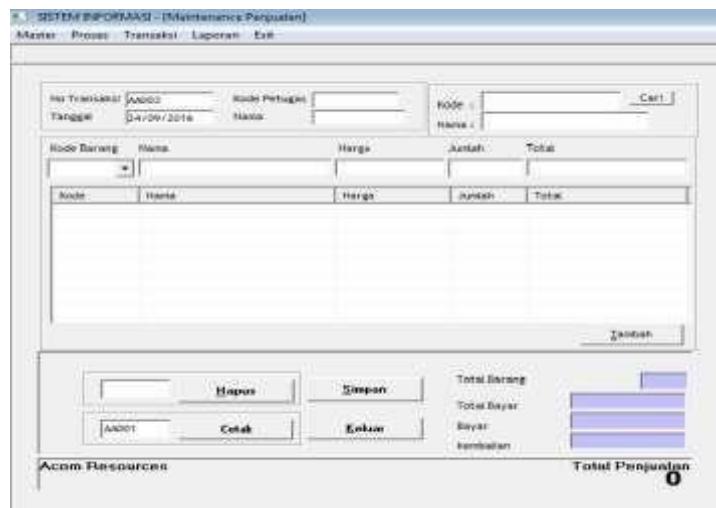
8) Form Stock Opname



The screenshot shows a Windows application window titled 'Form SO'. The menu bar includes 'File', 'Edit', 'View', 'Insert', 'Format', 'Tools', and 'Help'. The main area has input fields for 'No Transaksi', 'Kode Petugas', 'Tanggal', and 'Nama'. Below these is a table with columns: 'Kode Barang', 'Nama', 'Harga', 'Jumlah', and 'Total'. At the bottom are buttons for 'TotalBarang', 'TotalBayar', 'Batal', 'Hapus', 'Simpan', and 'Keluar'.

Gambar 23
Form Stock Opname

9) Sales Data Form



24

Sales Form

10) Purchase Report

Laporan Penjualan

Per Hari / Per Tanggal //

Per Periode 06/09/2016 S/D 06/09/2016

Per Bulan Bulan Ke [] Tahun 2016

Global

Detak Close

Figure 25
Purchase Report

11) Sales Report

formlapappbelian

Per Hari / Per Tanggal //

Per Periode 06/09/2016 S/D 06/09/2016

Per Bulan Bulan Ke [] Tahun 2016

Global

Detak Close

Figure 26
Sales Report

12) Report Stock Opname

FrmlapSO

Per Hari / Per Tanggal //

Per Periode 06/09/2016 S/D 06/09/2016

Per Bulan Bulan Ke [] Tahun 2016

Global

Detak Close

Stock Opname Report 4.

Compile program / Program end result

- Go To Start Select All Programs And Select Microsoft Visual Studio 6.0



Figure 28
initial display entry all programs

- Open project on file menu, select open project and find project to compile



Figure 29
initial display of basic visual entry 6.0

- After the project appears, select the file menu and click make sales.exe, then ok



30

process view make setup.exe

d. To display shortcut, right-click on the desktop, then select new, and then click shortcut, the resulting create shortcut display will appear

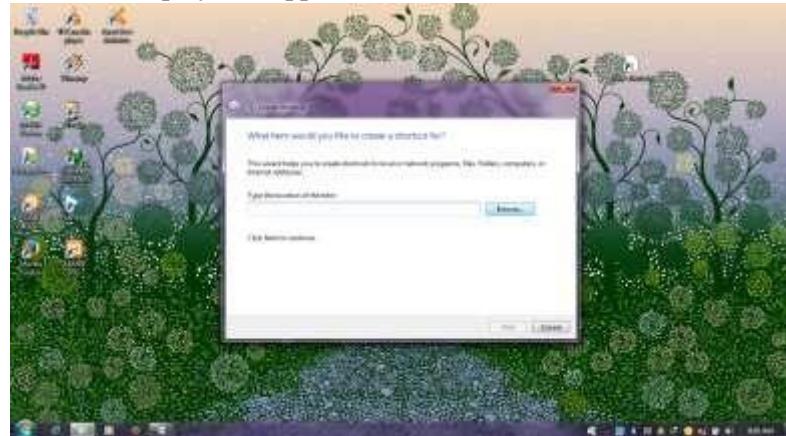


Figure 31
view of the project search process

e. Find pile projects that have been compiled that will be displayed on the desktop



Figure 32
view of the project search process

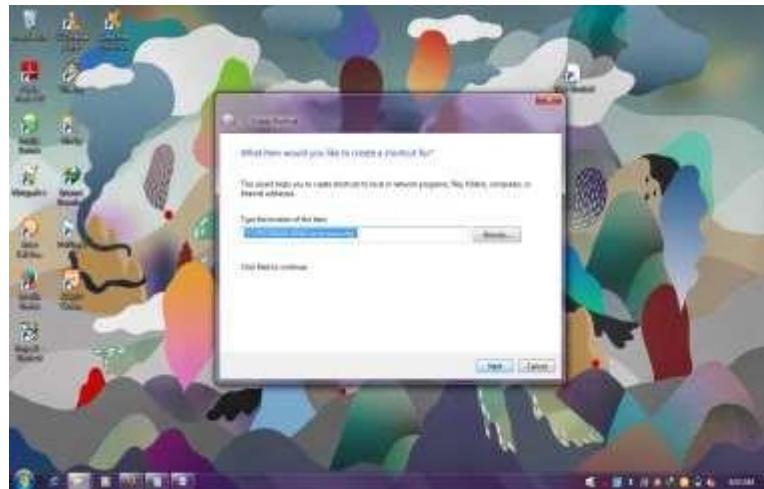


Figure 33
process view

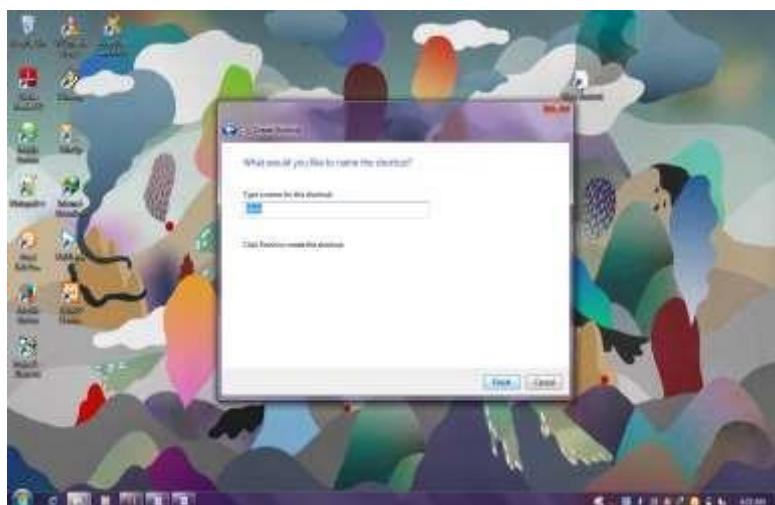


Figure 34 display complete

Conclusion

The rapid advancement of technology, especially in the use of computers, makes users apply this technology in running their business in all fields. Nowadays there are many application programs that can support educational activities, offices and businesses. By utilizing this application program, users will be easier to manage and present computerized data and more efficiency. Based on the creation of this application program can be concluded as follows: 1) All data processing processes such as data entered, stored, edited, and deleted data can be done precisely and accurately. 2) Processing of computerized data so that when searching data can be done quickly because the data has been stored neatly and regularly. 3) Business development can be seen quickly because report making is very easy, fast and accurate. 4) Sales transactions are better with a fast calculation process. 5) This application program can be used on a growing computer system.

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First publication right :

Journal of Business, Social and Technology (Bustechno)

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