

DRUG SALES APPLICATION PROGRAM AT Y FARMA IN KUNINGAN

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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).

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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

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Drug Sales Application Program at Y Farma in Kuningan



Figure 1
Entity Relationship

Diagra 1. Program View Design

a. Login Display Screen Design

Kode petugas	:	<input type="text"/>
Nama	:	<input type="text"/>
Paswword:		<input type="password"/>
		<input type="button" value="Masuk"/> <input type="button" value="Batal"/>

Figure 2 Login View

b. Main Menu Screen Display Design

How to cite:

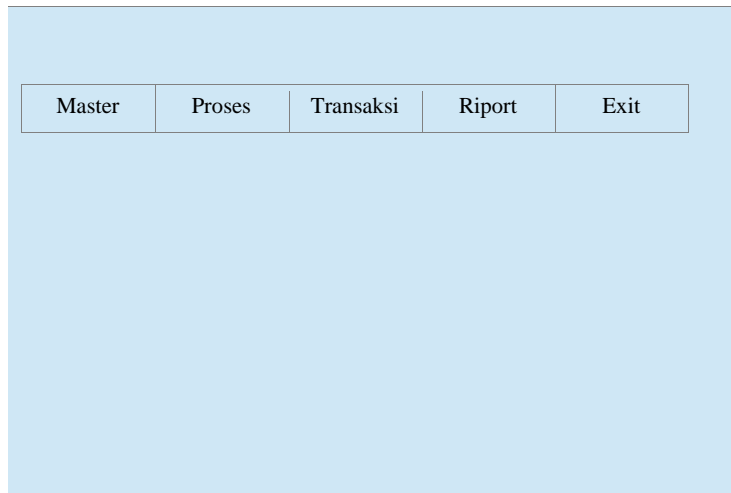
Farizki.R, (2020), Drug Sales Application Program at Y Farma in Kuningan, 1 (2) *Journal of Business, Social and Technology (Bustechno)* <https://doi.org/10.59261/jbt.v1i2.40>

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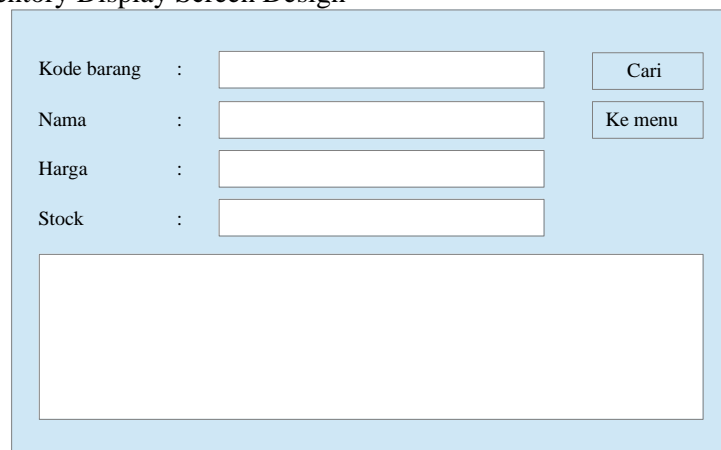
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The Main Menu View is a light blue rectangular window. At the top, there is a horizontal menu bar with five buttons: 'Master', 'Proses', 'Transaksi', 'Riport', and 'Exit'. The rest of the window is a large, empty light blue area.

Figure 3
Main Menu View

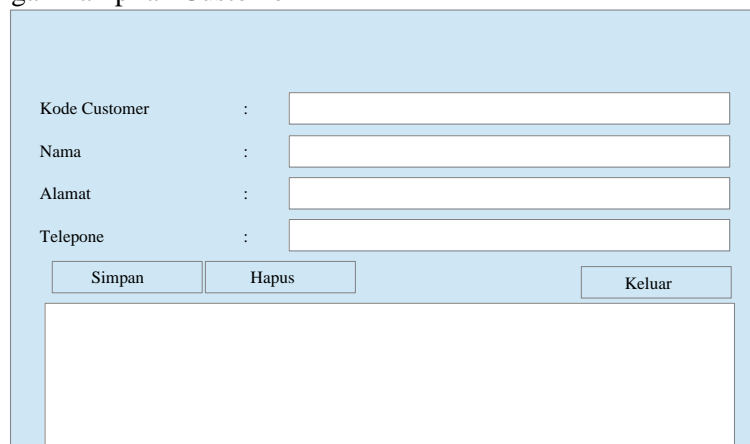
C. Inventory Display Screen Design



The Inventory Display Screen Design is a light blue rectangular window. It features four input fields on the left, each preceded by a label and a colon: 'Kode barang', 'Nama', 'Harga', and 'Stock'. To the right of these fields are two buttons: 'Cari' (aligned with 'Kode barang') and 'Ke menu' (aligned with 'Nama'). Below the input fields is a large, empty white rectangular area.

Figure 4
Display Inventory

c. Rancangan Tampilan Customer



The Customer View Design is a light blue rectangular window. It contains four input fields on the left, each preceded by a label and a colon: 'Kode Customer', 'Nama', 'Alamat', and 'Telepone'. Below these fields are three buttons: 'Simpan' and 'Hapus' are grouped together on the left, and 'Keluar' is on the right. Below the buttons is a large, empty white rectangular area.

Figure 5
Customer View Design

d. Officer Screen Display Design

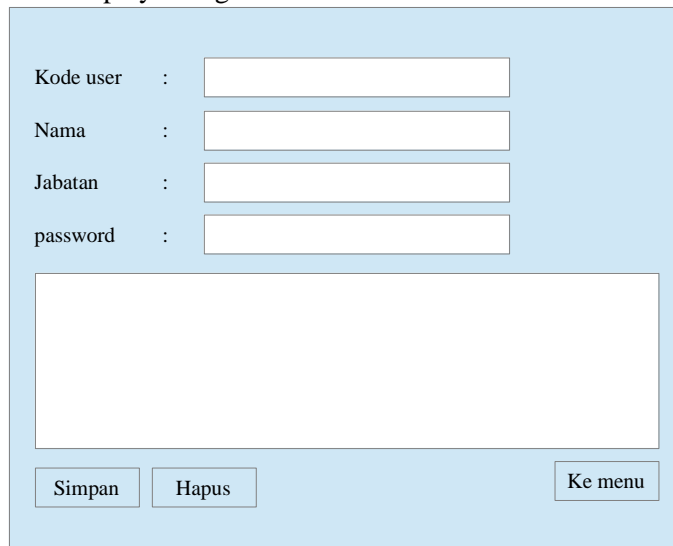
A screenshot of a web form for an officer's screen. The form has a light blue background. It contains four input fields with labels: 'Kode user', 'Nama', 'Jabatan', and 'password'. Below these fields is a large empty rectangular box. At the bottom, there are three buttons: 'Simpan', 'Hapus', and 'Ke menu'.

Figure 6
Officer Display

e. Rancangan Display Goods

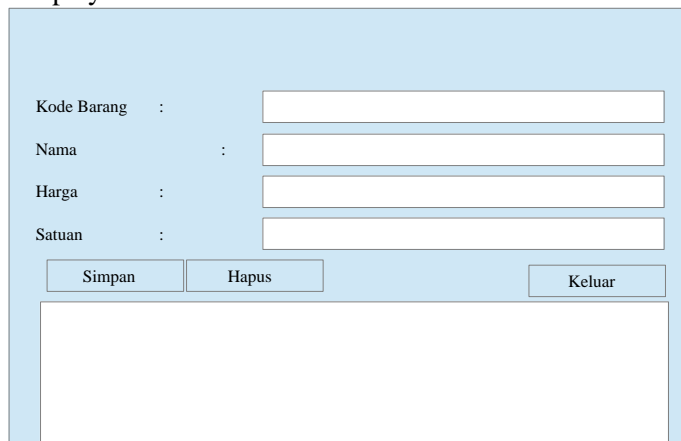
A screenshot of a web form for displaying goods. The form has a light blue background. It contains four input fields with labels: 'Kode Barang', 'Nama', 'Harga', and 'Satuan'. Below these fields are three buttons: 'Simpan', 'Hapus', and 'Keluar'. At the bottom, there is a large empty rectangular box.

Figure 7 Display of
Goods Data

f. Supplier Display Design

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Figure 8
Display Suplayer

g. Stock Ofname Display View

Figure 9
Stock Display Ofname

h. Sales View Design

Figure 10
Sales View

i. Goods Receipt Display Design

Nota beli

:

Tanggal

Kode, nama

:

Alamat, no telp:

Kode, nama brg

Jumlah barang

:

Total harga

:

Harga pokok

:

Tambah

Total bayar

Bayar

Total barang

Sisa kembalian

Simpan

Keluar

Figure 11
Display of Goods Receipt

j. Draft Sales Report

☐ Per hari / per tanggal

☐ Per Periode

S/D

☐ Per Bulan

Bulan ke

Tahun

☐ Global

Cetak

Close

Figure 12
Sales Report

k. Design Purchase Report

☐ Per hari / per tanggal

☐ Per Periode

S/D

☐ Per Bulan

Bulan ke

Tahun

☐ Global

Cetak

Close

Figure 13

Purchase Report

1. Draft Stock Opname Report

Figure 14
Stock Opname Report

2. Implementation

1. Relationships Between Tables

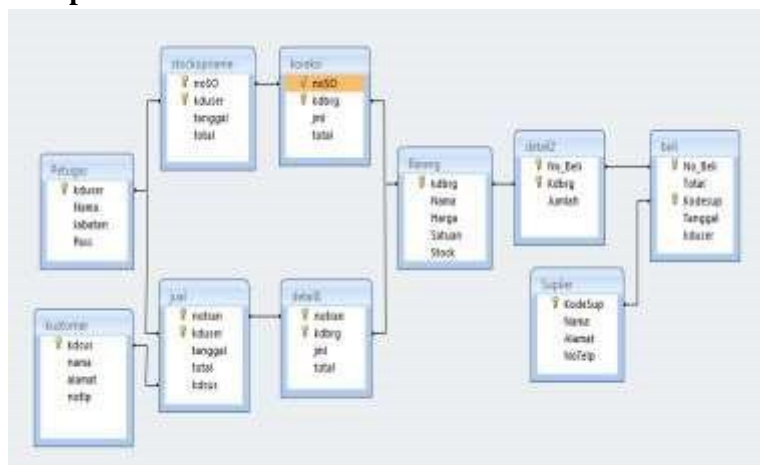


Figure 15
Relationships Between Tables

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

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Organization Files: Microsoft Access

Table 5
Correction Database Structure

<u>No</u>	<u>Name</u>	<u>Type</u>	<u>Size</u>	<u>Keterangan</u>
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

The image shows a login window titled "Login". It contains three input fields: "Kode Petugas:", "Nama:", and "Password:". Below the fields are two buttons: "Login" and "Batal".

Figure 16
Form login

2) Form Main menu

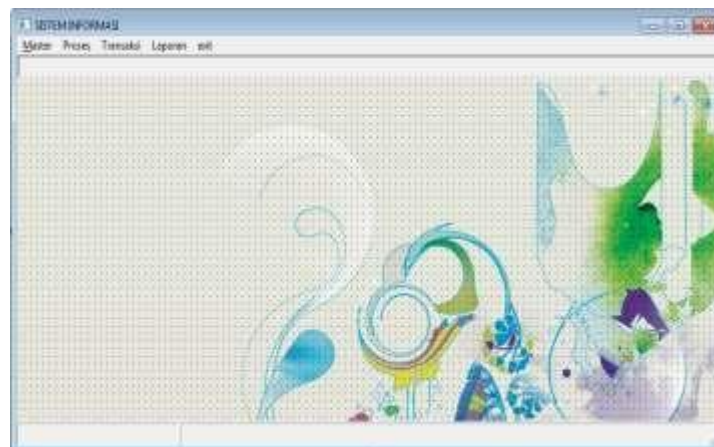


Figure 17
Main Menu Form

3) Form Inventory

The image shows an inventory form window titled "Data Barang". It has a section for searching inventory items with fields for "KODE BARANG:", "NAMA:", "HARGA:", and "STOK:". There are two buttons: "CARI" and "KE MENU". Below the search fields is a table with the following data:

kode barang	Nama	Harga	Satuan	Stock
328	mayo 10 g	4000	pcs	5
541	selection 180 pcs	10000	pcs	5
11334	jdjgdg	87586	pcs	
351531	dhdth	4363463	pcs	

Gambar 18
Form Inventory

4) Form Customer

Kode Customer	Nama	Alamat	No Telepon
123	Jajang nur	jl. cipendawa	098676575
124	Jainudin	jl. juanda	0217878685

Gambar 19
Form Customer

5) Form Officer

UserID	Nama	Jabatan
1207	jajang	Kepala Toko
1208	adit	Asisten Kepala Toko
1209	adi	Crew

Figure 20
Officer Form

6) Form Goods

kode barang	Nama	Harga	Satuan	Stock
124	Dulkolok 4s	4000	pcs	2
111	Dekolgen 10s	11000	pcs	2
112	Snanaflu 4S	12000	Pos	3
2121	cuson	4000	Pos	

Gambar 21
Form Goods

7) **Form Supplier**

KodeSup	Nama	Alamat	NoTelp
801	sandaru	Jl. Nusa Indah 2 Cikara	(021) 8826080
802	Andi	Jl. Lombok No.123 Bant	(021) 9262729

Gambar 22
Form Supplier

8) **Form Stock Opname**

Kode Barang	Nama	Harga	Jumlah	Total

Gambar 23
Form Stock Opname

9) **Sales Data Form**

No Transaksi: Kode Pelanggan: Kode:

Tanggal: Nama:

Kode Barang	Nama	Harga	Jumlah	Total
<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Total Barang:

Total Bayar:

Bayar:

Kembalian:

Acem Resources Total Penjualan **0**

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

Cetak Close

Figure 25
Purchase Report

11) Sales Report

formlappembelian

☐ Per Hari / Per Tanggal / /

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

☐ Per Bulan Bulan Ke Tahun 2016

☐ Global

Cetak Close

Figure 26
Sales Report

12) Report Stock Opname

FmrlapSO

☐ Per Hari / Per Tanggal / /

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

☐ Per Bulan Bulan Ke Tahun 2016

☒ Global

Cetak Close

Stock Opname Report 4.

Compile program / Program end result

- a. Go To Star Select All Programs And Select Microsoft Visual Studio 6.0



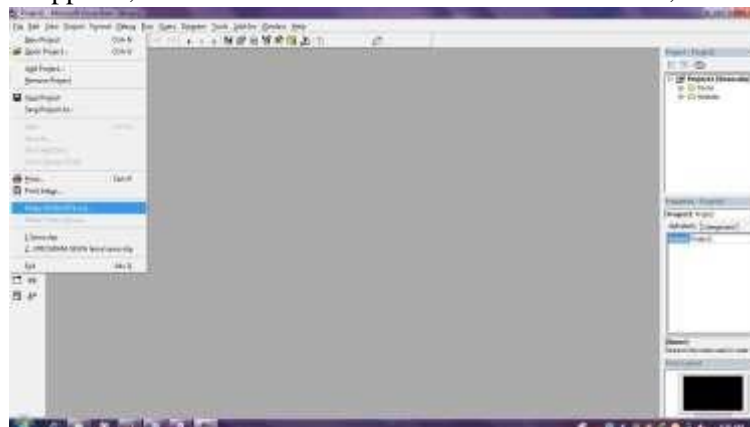
Figure 28
initial display entry all programs

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



Figure 29
initial display of basic visual entry 6.0

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



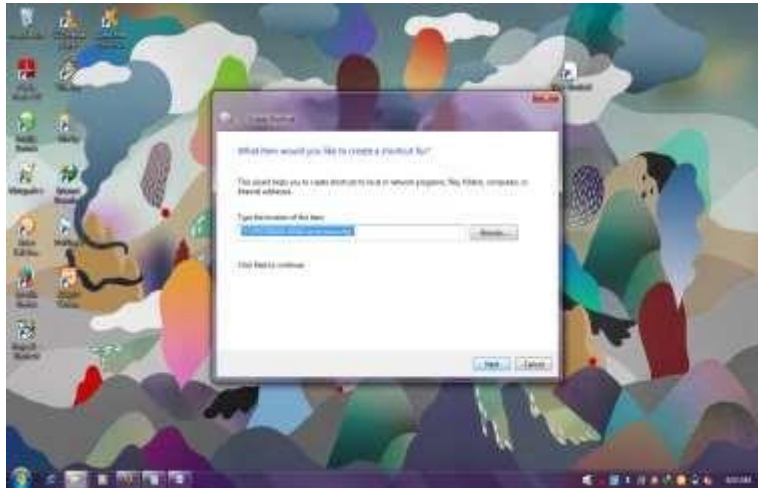


Figure 33
process view

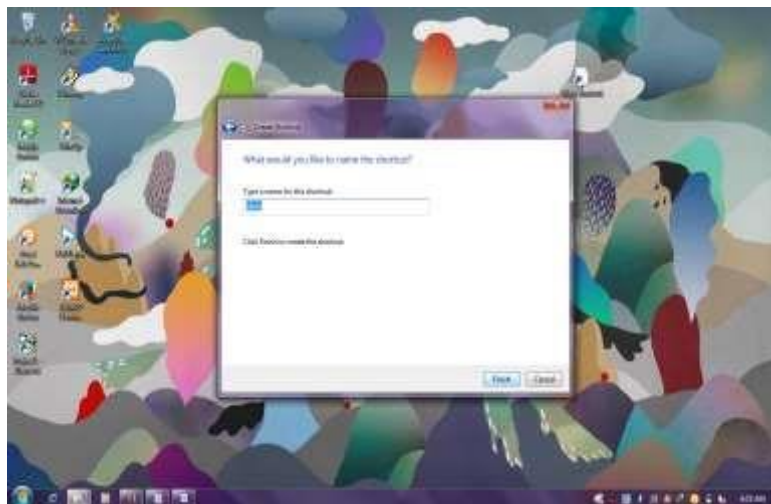


Figure 34 display complete

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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