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).
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. 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 (Purbasa, 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
Drug Sales Application Program at Y Farma in Kuningan

Figure 1
Entity Relationship Diagram

1. Program View Design
   a. Login Display Screen Design

   ![Login Display Screen Design](image)

   Kode petugas: 
   Nama: 
   Password: 
   Masuk  Batal

Figure 2
Login View

b. Main Menu Screen Display Design

   ![Main Menu Screen Display Design](image)

   Master  Proses  Transaksi  Riport  Exit

Figure 3
Main Menu View
c. Inventory Display Screen Design

![Inventory Display Screen Design](image)

**Figure 4**
Display Inventory

d. Rancangan Tampilan Customer

![Rancangan Tampilan Customer](image)

**Figure 5**
Customer View Design

e. Officer Screen Display Design

![Officer Screen Display Design](image)

**Figure 6**
Officer Display
f. Rancanga Display Goods

![Image](Image1.png)

**Figure 7**
Display of Goods Data

g. Supplier Display Design

![Image](Image2.png)

**Figure 8**
Display Suplayer

h. Stock Ofname Display View

![Image](Image3.png)

**Figure 9**
Stock Display Ofname
i. Sales View Design

![Figure 10 Sales View]

j. Goods Receipt Display Design

![Figure 11 Display of Goods Receipt]

k. Draft Sales Report

![Figure 12 Sales Report]
1. Design Purchase Report

![Design Purchase Report]

**Figure 13**
Purchase Report

m. Draft Stock Opname Report

![Draft Stock Opname Report]

**Figure 14**
Stock Opname Report

2. Implementation

1. Relationships Between Tables

![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
<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kduser</td>
<td>Text</td>
<td>7</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Name</td>
<td>Text</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Position</td>
<td>Text</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Pass</td>
<td>Text</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

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

   Table 2
   Goods Database Structure
<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kdbrg</td>
<td>Text</td>
<td>13</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Name</td>
<td>Text</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Price</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Unit</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Stock</td>
<td>Number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

c. Custom Tables
   Database Name: Customer
   Media: Harddisk
   Key Field: kdcus
   Organization Files: Microsoft Access

   Table 3
   Custom Database Structure
<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kdcus</td>
<td>Text</td>
<td>10</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Name</td>
<td>Text</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Address</td>
<td>Text</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>No phone</td>
<td>Text</td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

d. Table Stock Opname
   Database Name: Stockopname
   Media: Harddisk
   Key Field: Noso
   Organization Files: Microsoft Access
Table 4
Opnam Stock Database Structure

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Noso</td>
<td>Text</td>
<td>6</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Kduser</td>
<td>Text</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Date</td>
<td>Date/Time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Total</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

e. Table koreksi
Database Name: Koreksi
Media: Harddisk
Key Field: No so
Organization Files: Microsoft Access

Table 5
Correction Database Structure

<table>
<thead>
<tr>
<th>No</th>
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<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>Text</td>
<td>6</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Kdbrg</td>
<td>Text</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Amount</td>
<td>Text</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Total</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

f. Tabel Jual
Nama Database: Jual
Media: Harddisk
Key Field: notran
Organization Files: Microsoft Access

Table 6
Sell Database Structure

<table>
<thead>
<tr>
<th>No</th>
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<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Notran</td>
<td>Text</td>
<td>6</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Kduser</td>
<td>Text</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Date</td>
<td>Date/Time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Total</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Kdcus</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

g. Tabel detail1
Database Name: Detail1
Media: Harddisk
Key Field: notran
Organization Files: Microsoft Access

Table 7
Database Structure Details1

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Notran</td>
<td>Text</td>
<td>6</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Kdbrg</td>
<td>Text</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Amount</td>
<td>Text</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Total</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Kdcus</td>
<td>Text</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
h. Table Supplier
Database Name: Suplier
Media: Harddisk
Key Field: kodesup
Organization Files: Microsoft Access

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>6</td>
<td>Primary Key</td>
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<td></td>
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<tr>
<td>3</td>
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<td>Text</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Notelp</td>
<td>Text</td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

i. Table Beli
Database Name: Beli
Media: Harddisk
Key Field: No_Beli
Organization Files: Microsoft Access

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No_Sell</td>
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<td>6</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Total</td>
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<td>Text</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Date</td>
<td>Date/Time</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Kduser</td>
<td>Text</td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

j. Table Detail 2
Database Name: Detail 2
Media: Harddisk
Key Field: Nos0
Organization Files: Microsoft Access

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Type</th>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No_Sell</td>
<td>Text</td>
<td>6</td>
<td>Primery Key</td>
</tr>
<tr>
<td>2</td>
<td>Kdbrg</td>
<td>Text</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Amount</td>
<td>Numeric</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Program input and output display
   a. Program input view
      1) Form login
Drug Sales Application Program at Y Farma in Kuningan

2) Form Main menu

3) Form Inventory
4) Form Customer

![Form Customer](image1.png)

Gambar 19
Form Customer

5) Form Officer

![Officer Form](image2.png)

Figure 20
Officer Form

6) Form Goods

![Form Goods](image3.png)

Gambar 21
Form Goods
7) Form Supplier

Gambar 22
Form Supplier

8) Form Stock Opname

Gambar 23
Form Stock Opname

9) Sales Data Form
Figure 24
Sales Form

10) Purchase Report

Figure 25
Purchase Report

11) Sales Report

Figure 26
Sales Report

12) Report Stock Opname

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4. Compile program / Program end result
   a. Go To Start Select All Programs And Select Microsoft Visual Studio 6.0

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

   c. After the project appears, select the file menu and click make sales.exe, then ok
d. To display shortcut, right-click on the desktop, then select new, and then click shortcut, the resulting create shortcut display will appear.

![Figure 30](image)

**Figure 30**

**process view make setup.exe**

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

![Figure 31](image)

**Figure 31**

**view of the project search process**

![Figure 32](image)

**Figure 32**

**view of the project search process**
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.
REFERENCES


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