TIRE SALES APPLICATION PROGRAM AT LAM JAYA WEB-BASED STORE

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Abstract
Along with the development of technology and information at this time, especially the world of computers is growing very rapidly, coupled with the presence of information technology that increasingly plays a role in the world of work. By using the right information technology tools, all human activities in the work can be done easily, efficiency and save time and cost, monitored and represented in accordance with the calculations and rules of the game that have been set. One of the information tools is the Internet, an unlimited global on-line network that provides millions of types of information. Internet is a connection facility of a website that wants to make itself as a social system that can be accepted by users and can be used as a positive thing. 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 a phone call, emails and letters (written interviews).

Introduction
Along with the development of technology and information at this time, especially the world of computers is growing very rapidly, coupled with the presence of information technology that increasingly plays a role in the world of work (Rosa, 2014). By using the right information technology tools, all human activities in the work can be done easily, efficiency and save time and cost, monitored and represented in accordance with the calculations and rules of the game that have been set (Enterprise, 2016). One of the information tools is the Internet, an unlimited global on-line network that provides millions of types of information. Internet is a connection facility of a website that wants to make itself as a social system that is acceptable to users and can be used as a positive thing (Indrajani, 2011). The Era of Information and Communication Technology (ICT) and digital innovation lead to dynamic changes in the business environment, where business transactions continue to shift from cash-based transactions to electronic-based transactions (Rastogi et al., 2018).

As is known also the development of computer-based information technology is more likely to be able to meet the needs of information more quickly and accurately, through cyberspace better known as internet media (Nurkarsa, 2021). In internet media, the term Electronic Commerce or e-commerce is now a broad picture of the scope of technology,
processes and practices that can conduct business transactions without using paper as a means of transaction mechanisms. This can be done in various ways, such as using Email, Electronic Data Interchange, or World Wide Web (WWW) involving domestic and international communities (Niranjanamurthy, Kavyashree, Jagannath, & Chahar, 2013).

Lam Jaya shop is one of the distributors of motorcycle tires with the brand Corsa. Lam Jaya shop is located in Lemah Abang-Cikarang precisely in Cikarang Regency (Fatonah, Yulandari, & Wibowo, 2018). This store sells various types of tires with the Corsa brand, but in the sales transactions are still using manual or uncomputerized means, namely by recording the results of sales transactions into books and storing sales receipts (Nugroho, 2015). This is an obstacle dikarnakan often loss of sales receipt data so as to hinder the process of presenting reports of sales transaction results. In addition, the search for goods data at the time of making a sales transaction takes a long time, because in the process of searching only by using the list of goods notebook (Pratama & Putu, 2014).

Based on the description above, the author designed a program for the sale of motorcycle tires at Toko Lam jaya which is expected to be able to help in running its business better and is expected to improve results and better quality, especially in terms of processing data on motorcycle tire sales transactions (Muchlis, 2020).

Based on the problems and description above, the author raised the julul "Tire Sales Application Program At Lam Jaya Web-Based Store”.

Method

Data collection techniques are carried out to obtain all information and data related to the need for completion of the final task. As for the things that are done 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 sproblem. 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 development of sales information system in Toko Lam Jaya using PHP and MySql.

   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

   Efforts made by the author to gather information relevant to topics and issues that will or are being researched. The information can be obtained from scientific books, research reports, scientific papers, thesis and dissertations, regulations, statutes, yearbooks, encyclopedias and written sources both printed and electronic and internet.
Results and Discussion
A. System Design

1. Entity Relationship Diagram/ERD

![Figure 1: Entity Relationship Diagram](image)

2. Normalization
   a. 1NF Normal Shape
   1) Tire Out

<table>
<thead>
<tr>
<th></th>
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<td>1.395.000</td>
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</tbody>
</table>

2) Incoming Tires

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<tr>
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<td>465.000</td>
<td>1.395.000</td>
</tr>
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b. Normal Form 2NF

Tire Out

<table>
<thead>
<tr>
<th>No. Keluar</th>
<th>Tanggal</th>
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<th>Keterangan</th>
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<th>Kategori</th>
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<tr>
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<td>237.000 474.000 474.000</td>
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<tr>
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<td>CORSA S123</td>
<td>5</td>
<td>465.000 1.395.000 1.395.000</td>
</tr>
</tbody>
</table>

Figure 2
Exit Tires (2NF)

Incoming Tires

<table>
<thead>
<tr>
<th>No. Masuk</th>
<th>Tanggal</th>
<th>Nama Ban</th>
<th>Keterangan</th>
<th>Kode</th>
<th>Kategori</th>
<th>Nama Ban</th>
<th>Kategori</th>
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<td>B0006</td>
<td>TUBELESS</td>
<td>CORSA S123</td>
<td>TUBETYPE</td>
</tr>
</tbody>
</table>

Figure 3
Incoming Tires (2NF)

c. Normal Shape 3NF

Exit Tires (3NF)
3. Program View Design  
   a. Login Menu View Design

   ![Login Menu View Design](image1)

   - Username
   - password
   - login

   ![Main Menu Screen Design](image2)

   - Login Menu View Design
   - Main Menu Screen Design

   **Figure 5**
   **Incoming Tires (3NF)**
c. Incoming Tire Design

Figure 6
Main Menu Form Design

![Main Menu Form Design]

Figure 7
Design Of Incoming Tire Form

d. Exit Tire Design

Figure 8
Out Tire Form Design

a. Draft Incoming Tire Report

![Out Tire Form Design]
e. Draft Exit Tire Report

![Figure 9](image)

**Draft Report Form Of Incoming Tires**

<table>
<thead>
<tr>
<th>No</th>
<th>Kode</th>
<th>Tanggal</th>
<th>Umur</th>
<th>Keterangan</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
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<td></td>
</tr>
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<td></td>
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<td></td>
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<tr>
<td>6</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Figure 10](image)

**Draft Report Form Tire Out**

f. Tire Design

![Figure 11](image)

**Tire Form Design**
B. Implementation

1. Relationships Between Tables

![Figure 12]

Relationships Between Tables

2. Database Structure

a. User Table

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Media</th>
<th>Key field</th>
<th>Organisasi file</th>
</tr>
</thead>
<tbody>
<tr>
<td>User</td>
<td>Harddisk</td>
<td>id</td>
<td>Xampp</td>
</tr>
</tbody>
</table>

**Table 3**

User Table Structure

<table>
<thead>
<tr>
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<th>Nama Field</th>
<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Id</td>
<td>Int</td>
<td>11</td>
<td>Primary Key</td>
</tr>
<tr>
<td>2</td>
<td>Username</td>
<td>Varchar</td>
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<td></td>
</tr>
<tr>
<td>3</td>
<td>Password</td>
<td>Varchar</td>
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<tr>
<td>4</td>
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<td>Varchar</td>
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<td></td>
</tr>
<tr>
<td>5</td>
<td>Namauser</td>
<td>Varchar</td>
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<tr>
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<td>Text</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Tanggalrubah</td>
<td>Varchar</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Jamrubah</td>
<td>Time</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

a. Masterban table

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Media</th>
<th>Key field</th>
<th>Organisasi file</th>
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</tbody>
</table>

**Table 4**

Masterban Table Structure

<table>
<thead>
<tr>
<th>No</th>
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<th>Keterangan</th>
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</thead>
<tbody>
<tr>
<td>1</td>
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<td>Primary key</td>
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<td>Varchar</td>
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</table>
### Table 5
#### Group Structure

<table>
<thead>
<tr>
<th>No</th>
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<th>Size</th>
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<td>Varcha</td>
<td>3</td>
<td>Primary Key</td>
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<td>Namakelompok</td>
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</tr>
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<td>3</td>
<td>Kodeuser</td>
<td>Varcha</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Tanggalrubah</td>
<td>Varcha</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Jamrubah</td>
<td>Time</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Table 6
#### Table Structure Masukban

<table>
<thead>
<tr>
<th>No</th>
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<th>Size</th>
<th>Keterangan</th>
</tr>
</thead>
<tbody>
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<td>Nomor masuk ban</td>
<td>Varcha</td>
<td>5</td>
<td>Primary Key</td>
</tr>
<tr>
<td>2</td>
<td>Tanggal masuk ban</td>
<td>Varcha</td>
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<td></td>
</tr>
<tr>
<td>3</td>
<td>Pembawa</td>
<td>Varcha</td>
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<td></td>
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<tr>
<td>4</td>
<td>Pemilik</td>
<td>Varcha</td>
<td>50</td>
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</tr>
</tbody>
</table>
Table 7
Exit Table Structure

<table>
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<tr>
<th>No</th>
<th>Nama Field</th>
<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
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</thead>
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<td>5</td>
<td>Primary Key</td>
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<tr>
<td>2</td>
<td>Tanggal keluar ban</td>
<td>Varchar</td>
<td>10</td>
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<tr>
<td>3</td>
<td>Untuk</td>
<td>Varchar</td>
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</tr>
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<td>Keterangan</td>
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<td>Tanggalrubah</td>
<td>Varchar</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Jamrubah</td>
<td>Time</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

d. Table Masukbandetail

Table 8
Table Structure Masukbandetail

<table>
<thead>
<tr>
<th>No</th>
<th>Nama Field</th>
<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
</tr>
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<tbody>
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<td>Varchar</td>
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</tr>
<tr>
<td>4</td>
<td>Banyak</td>
<td>Int</td>
<td>12</td>
<td></td>
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</table>

e. Table Out Tires detail

Table 9
Struktur Tabel Keluarbandetail
### Table 1: Field Table Data Sale

<table>
<thead>
<tr>
<th>No</th>
<th>Nama Field</th>
<th>Type</th>
<th>Size</th>
<th>Keterangan</th>
</tr>
</thead>
<tbody>
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<td>Int</td>
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</tbody>
</table>

3. Main Menu View, Program Input and Output
   a. View Login

![Figure 13](image)

**Figure 13**
Menu Login

b. View Main Menu

![Figure 14](image)

**Figure 14**
Main Menu

c. Category Menu View

![Figure 15](image)

**Figure 15**
Menu Categories
d. Tire Menu Display

![Tire Menu Display](image16)

**Figure 16**
Menu Ban

e. Entrance Ban Menu View

![Entrance Ban Menu View](image17)

**Figure 17**
Incoming Tire Menu

f. Tire Out Menu View

![Tire Out Menu View](image18)

**Figure 18**
Exit Tire Menu
g. Tire Report Menu View

![Figure 19](image19.png)

**Figure 19**
Tire Report Menu

h. Incoming Ban Report Menu View

![Figure 20](image20.png)

**Figure 20**
Incoming Tire Report Menu

i. Exit Ban Report Menu View

![Figure 21](image21.png)

**Figure 21**
Exit Tire Report Menu
j. Gant Password Menu View

![Gant Password Menu View](image)

**Figure 22**
Menu Change Password

4. Program Compile / Program End Result
   a. Database steps used
      1) Start with the start menu on the taskbar, select the all program menu
      2) Type : localhost
   b. Select phpmyadmin
      1) Select a database
      2) Type the db_dbms in the create database field
      3) Type create
   c. Create a table
      1) Select create table
      2) Type the table name in the table name column
      3) Type the name of the field in the name field
      4) Choose the data type
      5) Fill in the length of the characters in the column length / values
      6) Specify primary key in index column
      7. Select save
   d. Steps to run the corsa sales application program
      1) Select the star menu in the taskbar column select all programs
      2) Choose google chrome
      3) Type localhost/corsa
      4) Enter username and password
   e. Main Menu
      1) Home
      2) User List
      3) Category
      4) Tires
      5) In-House Ban
      6) Tire Out
      7) Ban Report
      8) Incoming Tire Report
Tire Sales Application Program At Lam Jaya Web-Based Store

9) Exit Tire Report
10) Change Password
11) Sign out

Conclusion

Based on the discussion about the sales application program in Toko Lam Jaya, the author can conclude as follows: 1) The process of recording sales and reports that are still manual resulting in data errors and also scattered so that data appears in the store often the occurrence of data loss. 2) With the sales system in Toko Lam Jaya, the business process carried out can be well organized.

REFERENCES


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