Iron Machine Sales Data Processing At Pt. Multiuser-Based Panca Teknik Banjarmasin

Distan Madani

*Program Studi Teknik Informatika, Fakultas Teknologi Informasi, Universitas Islam Kalimantan Muhammad Al Banjari, Banjarmasin*

**Article Info**

**Article history:**
- Received: 18/07/2021
- Revised: 11/08/2021
- Accepted: 04/09/2021
- Available online 30/09/2021

**Keywords:**
- Data processing;
- Sales and Production;
- Visual Basic, Multi-User;

**ABSTRACT**

In processing sales and production data at PT. Panca Teknik Banjarmasin, is an important activity. The distributed data processing is still using Microsoft Excel and Microsoft Word. Therefore, to facilitate employees in data entry, ordering goods and selling goods, the authors seek to use a computerized system in processing the data. Data collection and analysis were carried out in an effort to solve these problems. The research method used in making this system, starting from data collection, problem analysis, system design to system creation is the observation method, direct interviews with employees of PT. Five Techniques. By using this system, the distribution of sales and production data processing at PT.

This is an open access article under the CC BY-NC license.

**Corresponding Author:**

Distan Madani,
Program Studi Teknik Informatika,
Fakultas Teknologi Informasi,
Universitas Islam Kalimantan Muhammad Al Banjari, Banjarmasin
Email: distamadani98@mail.com

1. **Introduction**

PT. Panca Tehnik Banjarmasin, is one of the companies engaged in the sale, production of machine tools and machine repair. The items sold include iron, bolts and other machine tools. PT. Panca Teknik Banjarmasin has approximately 75 employees. This company serves private companies in South, Central, East Kalimantan. In addition, there are also customers who are not from the company, namely individuals(Octavianti & Rahmawati, 2018).

There are so many things related to work that should have used a computerized system in data management(Syahputra, 2015). In the management of data entry and stock of goods at PT. Panca Teknik Banjarmasin must be carried out professionally so that there are no errors in the data collection itself(Maykiyah, 2019).

Sales and production data processing is an important activity. In processing distributed data, it still uses a simple program, namely using Microsoft Excel and Microsoft Word(Hendrayana, 2015). With this simple system, processing sales and production data is difficult.

2. **Method**

2.1 **Method of collecting data**

The data collection method used in the preparation of this thesis is as follows:

a. Literature Study
Literature study is to raise and develop research problems with concepts, research results, and documentation results that have existed before. This method focuses on finding facts as they actually are (Rahardjo, 2017). Literature research seeks and integrates all existing materials related to the topic of the problem, by revealing the theoretical, conceptual, logical basis and research results as well as other secondary data. In this study, the authors conducted a literature study by reading the literature that supports the process of making system designs such as books on information systems and database design and other supporting books in the manufacture of information systems.

b. Observation
Observation is a data collection tool that is carried out by observing and systematically recording the symptoms being investigated. With a simpler description, observation can be interpreted as direct observation of an activity that is being carried out. In this study, observations were made by making direct observations at PT. Panca Tehnik Banjarmasin, namely by collecting data by looking directly at the existing information system.

c. Interview
Interview is a data collection technique with systematic question and answer and face to face (direct). Interviews can also be conducted indirectly by telephone but this is not a pure interview. Interviews are intended to obtain materials or information that we need obtained by other techniques. The aim is to gather information and not to change or influence the opinion of the respondent. An interview is a process of interaction and communication in which a number of variables play an important role because it is possible to influence and determine the outcome of the interview.

2.2 Research stages

![Figure 1. Research Stages](image-url)
3. Results and Discussion

3.1 System Implementation

a. Program Explanation

Start the program call by opening the PT folder. Panca Teknik double clicked, then the sales file appeared and then double clicked. The login menu display can be seen in the picture:

![Login menu](image1)

**Figure 1. Login menu**

If the user name and password entered are correct, the Main Menu Display will appear as follows:

![Main Menu](image2)

**Figure 2. Main Menu**

3.2 Customer Data Input

This form is designed to input customer data at PT. Panca Teknik Banjarmasin. Through this form, customer data entry is carried out both customer code, customer name, address. The complete display of the data input form can be seen in the following image:

![Customer Input](image3)

**Figure 3. Customer Input**
a. **Purchase Data Input**
   This form is designed to input purchase data at PT. Panca Teknik Banjarmasin. Through this form the purchase data entry is done either PO number, invoice number, supplier code. The complete display of the data input form can be seen in Figure 4.21 below:

![Figure 4. Purchase Input](image)

b. **Sales Data Input**
   This form is designed to input sales data at PT. Panca Teknik Banjarmasin. Through this form, enter sales data based on order number, invoice number, customer code. The complete display of the data input form can be seen in the following image:

![Figure 5. Sales Input](image)

c. **Input Stock Items**
   This form is designed to input stock data at PT. Panca Teknik Banjarmasin. Through this form, data entry of stock items is based on the item code, name, type, unit. The complete display of the data input form can be seen in the following image:
d. Production Process Input

This form is designed to input supplier data at PT. Panca Teknik Banjarmasin. Through this form, supplier data entry is carried out, both supplier code, supplier name, address, telephone, contact person. The complete display of the data input form can be seen in Figure 6 below.

![Figure 6. Input Stock Items](image)

Figure 6. Input Stock Items

e. Input Production Results

This form is designed to input production data at PT. Panca Teknik Banjarmasin. Through this form data entry is carried out both product code, name, type, unit, price. The complete display of the data input form can be seen in the following image

![Figure 7. Production Process Input](image)

Figure 7. Production Process Input

![Figure 8. Input Production Results](image)

Figure 8. Input Production Results
f. **Supplier Input**
   This form is designed to input supplier data at PT. Panca Teknik Banjarmasin. Through this form, supplier data entry is carried out, both supplier code, supplier name, address, telephone, contact person. The complete display of the data input form can be seen in Figure 5 below:

![Figure 9. Supplier Input](image)

---

g. **Customer Output**
   By using customer output, companies can identify customer data. The following is the output of customer data

![Figure 10. Customer Data Output](image)

---

h. **Sales output**
   By using the sales output, companies can identify sales data. The following is the output of the sales data.
i. Supplier Output

By using supplier output, companies can identify supplier data. The following is the output of the supplier data.

Figure 11. Sales Output

Figure 12. Supplier Output

4. Conclusion

The conclusion that can be drawn based on the previous chapters is that the design of a database-based information system using Microsoft Visual Basic can be used as an improvement on the old system that still uses Microsoft Excel. And with this information system can facilitate the company. In making this sales information system program has used relationship design techniques. The design of the system created is intended to help create an application program for processing sales and repair information systems. This sales information system program is used as a guide for employees in doing the work, this certainly makes work easier and shortens the time in doing the work.
Reference


