



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

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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.

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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 Teknik 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

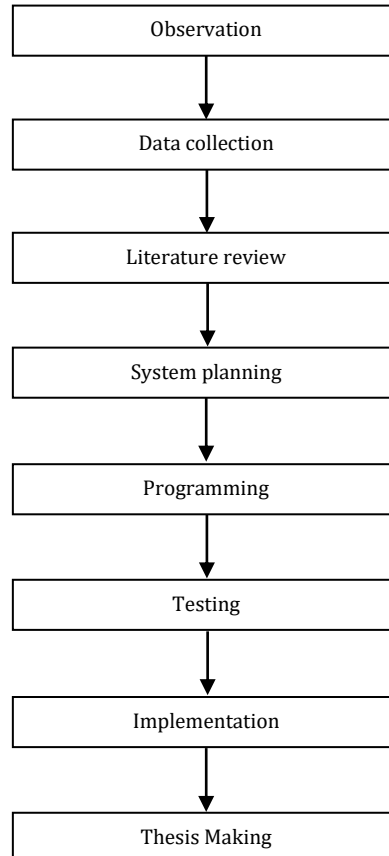


Figure 1. Research Stages

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:

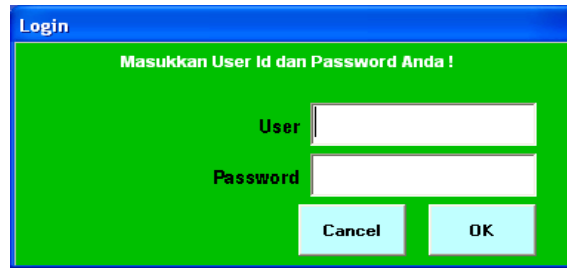


Figure 1. Login menu

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



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

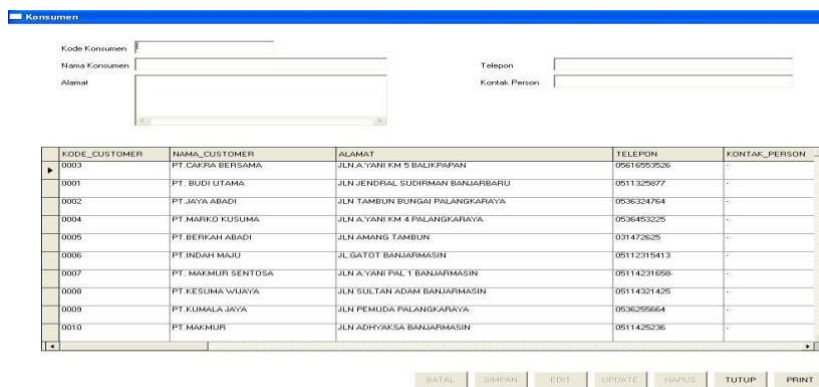


Figure 3. Customer Input

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:

| | | | |
|---------------------|------------|-------------------|-----------|
| No PO | PO-0000001 | Tanggal Pembelian | 7/13/2011 |
| No Faktur | FB 0000001 | | |
| Kode Suppliers | PTS-001 | | |
| PT. KARTIKA LOGSIAH | | | |

| Kode barang | Nama barang | Qty | Harga beli | Jumlah |
|-------------|-------------|-----|------------|--------|
| | | | | |

| | | | | | |
|-----------------|---------------|--------|-----------------|--------------|---------------|
| Pajak pembelian | Biaya freight | Diskon | Total pembelian | Down payment | Belum dibayar |
| | | | | | |

| KODE_BARANG | NAMA_BARANG | QTY_PCS | HARGA | JUMLAH |
|-------------|-------------|---------|--------|---------|
| BS-001 | ARM BODM | 5 | 800000 | 4000000 |

Subtotal: 4000000

SIMPAN BERSIH BERSIH SEMUA TUTUP

Figure 4. Purchase Input

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:

| | | | |
|----------------|------------|-------------------|-----------|
| No Order | 011 | Tanggal penjualan | 8/13/2011 |
| No Invoice | FJ-0000001 | | |
| Kode customer | 0001 | | |
| PT. BUDI UTAMA | | | |

| Kode produk | Nama produk | Qty | Harga jual | Jumlah |
|-------------|-------------|-----|------------|--------|
| | | | | |

| | | | | | |
|-----------------|---------------|--------|---------------|---------|---------------|
| Pajak penjualan | Biaya freight | Diskon | Total invoice | Payment | Belum dibayar |
| | | | | | |

| KODE_BARANG | NAMA_BARANG | QTY | HARGA | JUMLAH |
|-------------|-------------|-----|--------|---------|
| BP-001 | ARM BODM | 5 | 800000 | 4000000 |

Subtotal: 4000000

SIMPAN BERSIH BERSIH SEMUA TUTUP

Figure 5. Sales Input

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

Daftar Persediaan Bahan Baku

Kode Barang:
 Nama:
 Jenis:
 Satuan:

BATAL SIMPAN EDIT UPDATE TUTUP

| KODE_BARANG | NAMA_BARANG | JENIS | SATUAN | STOK_PCS |
|-------------|-------------|-----------------|--------|----------|
| BS-001 | ARM BDOM | ALAT ALAT BERAT | UNIT | 5 |
| BS-002 | SHAFT POMPA | MESIN PERKAKAS | UNIT | 4 |
| BS-003 | PONTON | FABRIASI | UNIT | 7 |
| BS-004 | HANGE | MESIN PERKAKAS | UNIT | 8 |
| BS-005 | POMPA OLI | OTOMOTIF | PACK | 9 |
| BS-006 | FRAME | ALAT ALAT BERAT | UNIT | 6 |
| BS-007 | HOUSHING | MESIN PERKAKAS | UNIT | 10 |
| BS-008 | PISTON | ALAT ALAT BERAT | PACK | 5 |
| BS-009 | BUSHING | MESIN PERKAKAS | UNIT | 5 |
| BS-010 | TANGKI | PACK | PACK | 2 |

Figure 6. Input Stock Items

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.

Produksi

Kode produksi: BP-002
 Nama produk: SHAFT POMPA
 Tgl. produksi: 7/13/2011
 Unit produk: 8
 Satuan produk: UNIT
 Harga produk: 500000

| KODE_BARANG | NAMA_BARANG | JENIS | QTY |
|-------------|-------------|-----------------|-----|
| BS-001 | ARM BDOM | ALAT-ALAT BERAT | 5 |
| BS-002 | SHAFT POMPA | MESIN PERKAKAS | 8 |

SIMPAN BERSIH PRINT TUTUP jumlah satuan produksi 13

Figure 7. Production Process Input

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

Daftar Persediaan Produk Dijual

Kode Produk:
 Nama:
 Jenis:
 Satuan:
 Harga:

BATAL SIMPAN EDIT UPDATE TUTUP

| KODE_BARANG | NAMA_BARANG | JENIS | SATUAN | HARGA | STOK |
|-------------|-------------|-----------------|--------|--------|------|
| BP-001 | ARM BDOM | ALAT-ALAT BERAT | UNIT | 800000 | 0 |
| BP-002 | SHAFT POMPA | MESIN PERKAKAS | UNIT | 500000 | 1 |
| BP-003 | PONTON | FABRIASI | UNIT | 600000 | 2 |
| BP-004 | HANGE | MESIN PERKAKAS | UNIT | 800000 | 3 |
| BP-005 | POMPA OLI | OTOMOTIF | PACK | 350000 | 4 |
| BP-006 | FRAME | ALAT-ALAT BERAT | UNIT | 400000 | 0 |
| BP-007 | HOUSHING | MESIN PERKAKAS | UNIT | 900000 | 5 |
| BP-008 | PISTON | ALAT-ALAT BERAT | PACK | 450000 | 1 |
| BP-009 | BUSHING | MESIN PERKAKAS | UNIT | 700000 | 1 |
| BP-010 | TANGKI | FABRIASI | PACK | 500000 | 0 |

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:

| KODE_SUPPLIER | NAMA_SUPPLIER | ALAMAT | TELEPON | KONTAK_PERSON |
|---------------|-------------------|-----------------------------|--------------|---------------|
| PTS-001 | PT KARYA LOGAM | JL. HAYAM WURUK 3 SURABAYA | 032212212 | - |
| PTS-002 | PT BAJA STEEL | JL. PEMUDA SEMARANG | 0432232323 | - |
| PTS-003 | PT KUSUMA WIJAYA | JL. PENERAN BANJARMASIN | 05113256644 | - |
| PTS-004 | PT INDAH MAKMUR | JL. SULTAN ADAM BANJARMASIN | 0511356433 | - |
| PTS-005 | PT MERDEKA JAYA | JL. PEMUDA PALANGKARAYA | 053646374677 | - |
| PTS-006 | PT WIJAYA SAPUTRA | JL. RAHMAT SALEH BANJARBARU | 0511567448 | - |
| PTS-007 | PT SINAR HARAPAN | JL. A.YANI BANJARBARU | 0511352677 | - |
| PTS-008 | PT HARAPAN BARU | JL. MERDEKA BANJARBARU | 0511464789 | - |

Figure 9. Supplier Input

g. Customer Output

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

PT. PANCA TEHNIK
 Head Office : JL. A.Yani Km 12.700 Kec. Gambut Kab. Banjar 70652
 Telp. (0511) 4220465 Fax.(0511) 4220480 E.mail : ptpancatehnik@yahoo.co.id
 Branch Office : JL. A.Yani Km 10.100 Mahurai Kec. Blurung Puduk
 Kab. Tabalong 71512. Telp.Fax. 0526-2022542

| KODE | NAMA CUSTOMER | ALAMAT | TELEPON | KONTAK PERSON |
|------|--------------------|---------------------------|--------------|---------------|
| 0001 | PT. BUDI UTAMA | JLN JENDRAL SUDIRMAN BAN | 0511325877 | - |
| 0002 | PT JAYA ABADI | JLN TAMBUN BUNGA PALAN | 0536324764 | - |
| 0003 | PT.CAKRA BERSAMA | JLN A.YANI KM 5 BALIKPAPA | 05616553526 | - |
| 0004 | PT.MARKO KUSUMA | JLN A.YANI KM 4 PALANGKAI | 0536453225 | - |
| 0005 | PT.BERKAH ABADI | JLN AMANG TAMBUN | 031472625 | - |
| 0006 | PT.INDAH MAJU | JL.GATOT BANJARMASIN | 05112315413 | - |
| 0007 | PT. MAKMUR SENTOSA | JLN A.YANI PAL 1 BANJARMA | 05114231658- | - |
| 0008 | PT.KESUMA WIJAYA | JLN SULTAN ADAM BANJARM | 05114321425 | - |
| 0009 | PT.KUMALA JAYA | JLN PEMUDA PALANGKARAY | 0536255664 | - |
| 0010 | PT.MAKMUR | JLN ADHYAKSA BANJARMAS | 0511425236 | - |
| 0011 | PT.MERDEKA | JL.PANGLIMA KOTABARU | 0518548645 | - |
| 0012 | PT.JAYA | JL.PEMUDA SURABAYA | 036566 | - |

Figure 10. Customer Data Output

h. Sales output

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



PT. PANCA TEHNIK
Head Office : JL. A.Yani Km 12.700 Kec. Gambut Kab. Banjar 70652
Telp. (0511) 4220465 Fax.(0511) 4220480 E.mail : ptpancatehnik@yahoo.co.id
Branch Office : JL. A.Yani Km 10.100 Maburai Kec. Murung Pudak
Kab Tabalong 71512. Telp/Fax. 0526-2022542

print out : 7/21/2011

Laporan Persediaan Dijual (Stok Barang Jad)

| NO. | KODE BARANG | NAMA BARANG | JENIS | SATUAN | HARGA | STOK |
|--------------------|-------------|-------------|-----------------|--------|------------|--------------|
| 1 | BP-001 | ARM BOOM | ALAT-ALAT BERAT | UNIT | 800,000.00 | 0.00 |
| 2 | BP-002 | SHAFT POMPA | MESIN PERKAKAS | UNIT | 500,000.00 | 1.00 |
| 3 | BP-003 | PONTON | FABRIASI | UNIT | 600,000.00 | 2.00 |
| 4 | BP-004 | HANGE | MESIN PERKAKAS | UNIT | 800,000.00 | 3.00 |
| 5 | BP-005 | POMPA OLI | OTOMOTIF | PACK | 350,000.00 | 4.00 |
| 6 | BP-006 | FRAME | ALAT-ALAT BERAT | UNIT | 400,000.00 | 0.00 |
| 7 | BP-007 | HOUSHING | MESIN PERKAKAS | UNIT | 900,000.00 | 5.00 |
| 8 | BP-008 | PISTON | ALAT-ALAT BERAT | PACK | 450,000.00 | 1.00 |
| 9 | BP-009 | BUSHING | MESIN PERKAKAS | UNIT | 700,000.00 | 1.00 |
| 10 | BP-010 | TANGKI | FABRIASI | PACK | 500,000.00 | 0.00 |
| Grand Total | | | | | | 17.00 |

Figure 11.Sales Output

i. Supplier Output

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



PT. PANCA TEHNIK
Head Office : JL. A.Yani Km 12.700 Kec. Gambut Kab. Banjar 70652
Telp. (0511) 4220465 Fax.(0511) 4220480 E.mail : ptpancatehnik@yahoo.co.id
Branch Office : JL. A.Yani Km 10.100 Maburai Kec. Murung Pudak
Kab Tabalong 71512. Telp/Fax. 0526-2022542

DATA SUPPLIER

| KODE | NAMA SUPPLIER | ALAMAT | TELEPON | KONTAK PERSON |
|---------|-------------------|----------------------------|--------------|---------------|
| PTS-001 | PT KARYA LOGAM | JL HAYAM WURUK 3 | 0322112212 | - |
| PTS-002 | PT BAJA STEEL | JL PEMUDA SEMARANG | 0432232323 | - |
| PTS-003 | PT KUSUMA WIJAYA | JL Pengeran Banjarmasin | 05113256444 | - |
| PTS-004 | PT INDAH MAKMUR | JL SULTAN ADAM BANJARMASIN | 0511356433 | - |
| PTS-005 | PT MERDEKA JAYA | JL PEMUDA | 053646374677 | - |
| PTS-006 | PT WIJAYA SAPUTRA | JL RAHMAT SALEH | 0511567448 | - |
| PTS-007 | PT SINAR HARAPAN | JL A.YANI BANJARBARU | 0511352677 | - |
| PTS-008 | PT HARAPAN BARU | JL MERDEKA BANJARBARU | 0511464789 | - |
| PTS-009 | PT KEMUNING JAYA | JL SODARSO NO 9 | 043256457 | - |
| PTS-010 | PT BARITO BERSAMA | JL A.YANI MEDAN | 0345647578 | - |
| PTS-011 | PT BARITO | JLN PEMUDA BANJARMASIN | 0511647657 | - |
| PTS-012 | PT KENCANA | JL A YANI BANJARMASIN | 051146567 | - |

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

- Hendrayana, A. (2015). Perencanaan Strategis Teknologi Informasi Guna Meningkatkan Bisnis Perusahaan Menggunakan Pendekatan Ward & Peppard (Studi Kasus CV. Seribu Satu). *Jurnal Wawasan Ilmiah*, 7(12).
- Maykiyah, S. (2019). *Peran pemerintah Kabupaten Seruyan dalam inovasi pengembangan produk hasil perikanan*. IAIN Palangka Raya.
- Oktavianti, B., & Rahmawati, H. (2018). *Strategi Pemasaran UKM Melalui Program CSR di Perbatasan Kalimantan Utara*.
- Rahardjo, M. (2017). *Studi kasus dalam penelitian kualitatif: konsep dan prosedurnya*.
- Syahputra, Z. (2015). Penerapan Pemodelan UML Sistem Informasi Perpustakaan Pada Universitas Islam Indragiri Berbasis Client Server. *Sistemasi: Jurnal Sistem Informasi*, 4(1), 57-64.