Original Paper

Control of Goods Inventory Uses the Accurate Program

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Abstract

In this era of globalization, information systems play an important role in inventory management in trading, manufacturing and service companies. Inventory is an important asset that can generate profits through the production or sales cycle. CV Duta Survey Indonesia, a company engaged in sales, rental, service, and calibration of land measuring instruments, has a variety of products with stock coming from distributors. However, problems often occur related to recording and checking the stock of goods, which results in losses for the company. The system is needed to solve this problem can manage inventory well. CV. Duta Survey Indonesia has used the Accurate program for processing inventory data, but there are still things that need to be corrected in the inventory report. Therefore, the author will try to implement the accounting system with the Accurate program correctly. This community service activity aims to provide outreach and assistance regarding the use of the Accurate program in managing inventory properly, with the hope of improving the inventory administration system in the warehouse. The managerial implication in this research is that Accurate users help ensure accurate inventory data.

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1. Introduction

In this era of globalization, the use of information systems has an important role in the inventory function. Many trading, manufacturing, and service companies use online information systems. Inventory is assets owned by the company, which can be consumed by itself in the company's normal cycle or processed in the company's production cycle and then sold, and the company will make a profit. (Aprisanti, 2014). Inventory management is a question that focuses on order quantity, order quantity models, and when to place an order developed for various inventory applications (Fitzsimmons, 2016). CV. Duta Survey Indonesia, located at Jalan Cucak Rawun Raya 16i/2 Sawojajar, Malang, is a company engaged in the sales, rental, service, and calibration of land measuring instruments.

The products provided are accessories and land-measuring instruments consisting of various types and brands. This merchandise inventory is obtained from several partners and distributors. The supplies are stored in a warehouse, which will later be distributed to all branches. The company has 8 branches, and each branch has its stock storage warehouse.

Due to the large number of products owned, various problems arise such as differences in the amount of stock in the warehouse with the amount of stock in the bookkeeping records. This condition happens due to a need for more thoroughness in the process of checking incoming and outgoing goods, whether in the form of checking the type of goods, type of goods, and serial numbers of goods. This problem, of course, can cause losses for the company. To be able to minimize these problems, the company needs a system that can manage the inventory of merchandise within the company so that the company can anticipate these losses (Salim and Wijaya, 2017). The important role of the administration system in a company is to provide the data and information needed by the company. For a company, administration plays an important role in increasing effectiveness in examining documents that have been determined by the company so that it will make it easier for the company to manage transactions that occur (Saputri and Ashari, 2023).

For now, CV. Duta Survey Indonesia has used an accounting information system, namely the Accurate program, in processing inventory data. However, errors often occur when the inventory report is different from the physical goods in the warehouse. Therefore, the author will try to implement an accounting system using the Accurate program properly and correctly (Siahaan and Prasetyo, 2021). The aim of implementing this community service is to provide outreach and assistance regarding the proper and correct use of the Accurate program for controlling goods at CV. Duta Survey Indonesia, so that it can be applied and developed to improve the administration system for inventory in warehouses.

Technology is developing very rapidly. Therefore, the use of electronic media in administrative activities is crucial. Accounting software has an important role as an essential need for the company's future (Ningsih and Damanik, 2023). In its implementation, CV. Duta Survey Indonesia uses an accurate program that plays a role in simplifying the document entry process. The entire recording cycle, including ledger, cash, bank, inventory, and fixed assets, is managed through an accurate system. Accurate is a computer program designed to record and manage the financial aspects of various types of companies, including trading, service, and production companies.

Management of inventory in warehouses has a crucial role in company operations (Tamodia, 2013). To evaluate the effectiveness of inventory management at CV. Duta Survey Indonesia is required to carry out physical stock calculations. This calculation process is carried out regularly every week, while stock-taking is carried out monthly at the end of each month. The number of goods in the warehouse must be ensured in accordance with Excel stock data. After ensuring that they are the same, the Excel data must be re-matched with the accurate data. This process is carried out as a form of caution and control of the stock of goods owned.

2. Method
The following is a flow diagram of community service activities at CV. Indonesian Survey Ambassador

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┌──────────┐      ┌──────────────┐      ┌──────────────┐
│          │      │   Stage 1    │      │   Stage 2    │
│  Start   │ ──▶  │ Assistance   │ ──▶  │ Preparation  │
│          │      │ with Goods   │      │     of       │
│          │      │   Control    │      │Administrative│
│          │      │              │      │   Systems    │
└──────────┘      └──────────────┘      └──────────────┘
                                                │
                                                ▼
┌──────────────┐      ┌──────────────┐      ┌──────────────┐
│Measurement   │      │ Actual Data  │      │              │
│and Evaluation│ ◀──  │  Collection  │ ◀──  │  Training    │
│   Tools      │      │              │      │              │
└──────────────┘      └──────────────┘      └──────────────┘
       │
       ▼
┌──────────────┐      ┌──────────────┐
│ Design a New │      │              │
│Administration│ ──▶  │   Finish     │
│   System     │      │              │
└──────────────┘      └──────────────┘
```
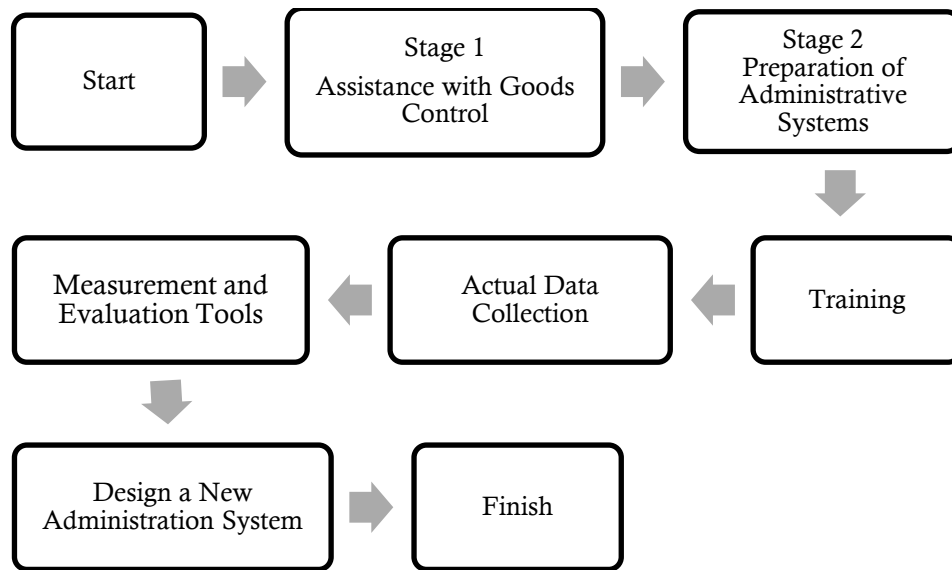
Figure 1. Activity Flow Community Service

The diagram can be detailed as follows:
1. Start
   Service activities started at CV. Duta Survey Indonesia, Jl. Cucak Rawun Raya 16i/2 Sawojajar, Malang.
2. Stage 1
   Assistance with Goods Control
   - Assisting in controlling goods at CV. Indonesian Survey Ambassador.
   - Involves intensive supervision and guidance of the goods control process at the location.
3. Stage 2
   Preparation of Administrative Systems
   - Developing a new administration system using the Accurate program.
   - This process includes needs analysis, system design, and implementation using the Accurate program.
4. Training
   - Provide guidance and training to CV personnel. Indonesian Survey Ambassador.
   - The training covers the entire inventory management process, from receiving goods to routine stock checks every week and month.
5. Actual Data Collection
   During mentoring and training, the service team collects actual data related to the implementation of activities.
6. Design a New Administration System
   Use the information gathered as a basis for designing effective new administrative systems.
7. Measurement and Evaluation Tools
   - Establish comprehensive measuring tools, including descriptive and qualitative methods, to evaluate service results.
   - The evaluation focuses on changes in attitudes, socio-cultural changes, and economic changes in the target community.
8. End
   Conclude service activities by assessing success through predetermined indicators.

3. Results
The results and discussion of community service activities based on the implementation stages that must be carried out are as follows:
a. **Assistance in implementing the goods control process at CV. Indonesian Survey Ambassador**
   1) Incoming goods process

Source: Author (2023)

Figure 2. Stack of Incoming Goods from the Distributor

Merchandise inventory is obtained from distributors. In this activity, checking the conformity of the quantity of goods arriving with the data on the inventory delivery receipt is carried out generally intended for goods owned by trading companies, whether in the form of wholesale or retail businesses when the goods have been purchased in a condition ready to be sold Stice (2011: 572). Merchandise inventory at CV. Duta Survey Indonesia was obtained from distributors. In this activity, checking the conformity of the quantity of goods arriving with the data on the delivery receipt is carried out.

2) Checking the completeness of accessories and checking the suitability of the tool serial number

Source: Author (2023)

Figure 3. Checking the suitability of data from distributors with incoming physical stock

In this activity, detailed checks are carried out regarding the number of accessories, completeness of the land measuring tool set, and checking the suitability of the serial number on the tool with data from the distributor. If there is a data error, immediately note it and inform the center so that data adjustments can be made.

3) Inputting data in Microsoft Excel and accurately

Source: Author (2023)

Figure 4. Accurate and accurate data input in Microsoft Excel

The next stage is to recollect data on incoming goods using the stock template in Microsoft Excel and input goods receipts accurately. Data in Excel stock will later be used as reference data for checking original stock in the warehouse and guidelines for the suitability of accurate data input.
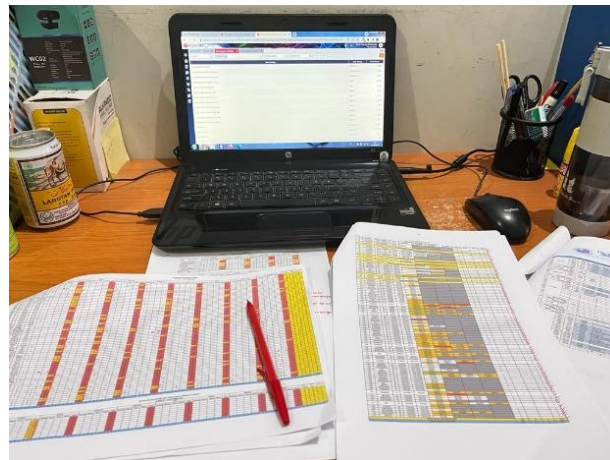
4) Carrying out weekly stock checks

Source: Author (2023)

**Figure 5. Checking the suitability of original goods
in the warehouse with data in Excel**

Management of inventory in warehouses has a crucial role in company operations (Tamodia, 2013). To evaluate the effectiveness of inventory management at CV. Duta Survey Indonesia is required to carry out physical stock calculations. This calculation process is carried out regularly every week, while stock-taking is carried out monthly at the end of each month. The number of goods in the warehouse must be ensured in accordance with Excel stock data. After ensuring that they are the same, the Excel data must be re-

matched with the accurate data. This process is carried out as a form of caution and control of the stock of goods owned.

5) Carry out stock-taking using Accurate at the end of every month.

Source: Author (2023)

Figure 6. Implementation of Stock Take at the End of Each Month

In this activity, a monthly stock take is carried out, which aims to find out the actual number of goods, regulate the movement of goods in and out, and check the conformity of Excel data and accuracy with the original stock in the warehouse. This is done to prevent company losses due to calculation errors. Stock-taking begins with physically counting the number of goods, checking the quality of the goods, recording them, and rearranging them to make things easier when needed.

6) Carry out stock recaps for all branches.

Source: Author (2023)

Figure 7. Excel Stock Recording for All Branches

In this activity, an Excel stock recording of all branches is carried out, which will later be uploaded to Google Spreadsheet and can be accessed by all branches. The stock recap functions as complete data on the company's stock of goods, which can be used to analyze business development, determine cash inflow and outflow, and make it easier for branches to know where the goods needed are located if at any time the goods in one of the branches run out.

b. Preparation of an administration system using an accurate program for inventory control

In a company, it is important to have a system for recording and calculating inventory because it has an impact on financial reporting. The inventory system includes the methods used to manage inventory in the warehouse. An inventory information system is a framework used to collect and maintain data related to inventory, convert this data into information, and report it to users (Amarudin & Sofiandri, 2018; Maulida et al., 2020). Technology is developing very rapidly. Therefore, the use of electronic media in administrative activities is crucial. Accounting software has an important role as an essential need for the company's future (Ningsih and Damanik, 2023). In its implementation, CV. Duta Survey Indonesia uses an accurate program that plays a role in simplifying the document entry process. The entire recording cycle, including ledger, cash, bank, inventory, and fixed assets, is managed through an accurate system. Accurate is a computer program designed to record and manage the financial aspects of various types of companies, including trading, service, and production companies.

The following are the steps in collecting data on goods using the accurate program:
1) Receipt of goods from distributors
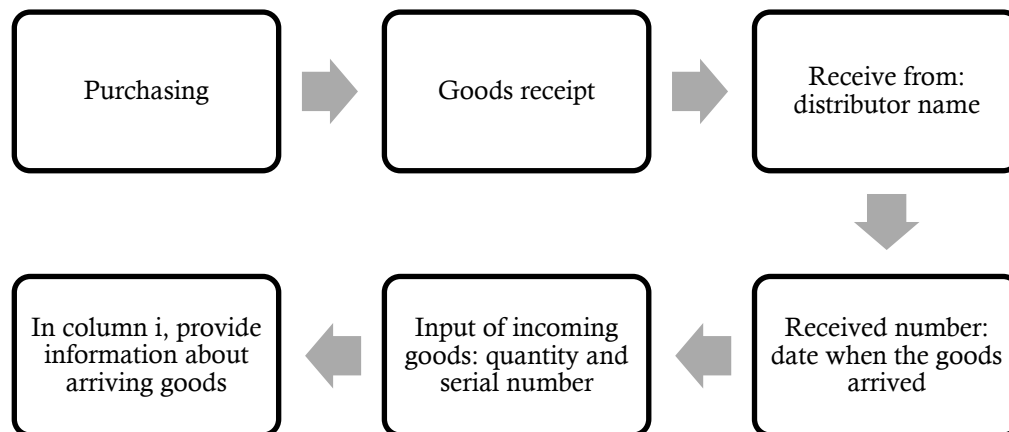   Following are the steps for accurate data collection of incoming goods:

Figure 8. Steps to collect data on goods

2) Stock-taking flow using the accurate program
   The tutorial below uses Malang Branch data as an example. During construction, the branches are filled in and adjusted according to each branch.
   A. Malang Rental Warehouse
      Data from goods out for rent (excel data)
      1. Stock Take Order
         - Fill in branch data: Malang
         - Start date: According to the work date
         - Person in charge: Fill in your name
         - Done by: fill in your name
         - Description: Malang Rental Warehouse
         - Warehouse: Malang rent
         - Item category: accessories & tools
         - Goods supplier: blank
         - Click SAVE in blue

Source: Author (2023

Figure 9. Stock Take Order (Malang Rental Warehouse)

2. Stock Take Results
   - Select the Opname command according to what was created earlier
   - Click Take (green) > import from Excel> then select the prepared Excel (special accurate Excel format)
   - Click on the measuring instrument that has a serial number > you must enter the serial number manually > click next > save
   - Click on the letter i, and fill in the information: Malang Rental Warehouse 10/13/2023

Source: Author (2023)

Figure 10. Stock Take Results (Malang Rental Warehouse)

B. Malang Warehouse
Data on goods available in the warehouse
1. Stock Take Order
   - Fill in branch data: Malang
   - Start date: According to the work date
   - Person in charge: Fill in your name
   - Done by: fill in your own name
   - Description: Malang Warehouse
   - Warehouse: Malang
   - Item category: accessories & tools
   - Goods supplier: blank
   - Click SAVE in blue

Source: Author (2023)

Figure 11. Stock Take Order (Malang Warehouse)

2. Stock Take Results
   - Select the Opname command according to what was created earlier
   - Click Take (green) > import from Excel> then select the prepared Excel (special accurate Excel format)
   - Click on the measuring instrument that has a serial number > you must enter the serial number manually > click next > save
   - Click on the letter i, and fill in the information: Malang Warehouse 10/13/2023

Source: Author (2023)

Figure 12. Stock Take Results (Malang Warehouse)

C. Malang Damaged Warehouse
   The steps taken are the same, but the warehouse used is Malang Rusak.

4. Discussion and Benefits

A company is said to be running well if it has a reliable and credible accounting information system. The use of accurate programs in controlling stock is one of the company's tips for running a good administration system. A well-structured administration system will make work much faster, organized, and effective, so it does not cost a lot of time and money. Pratiwi et al. (2023) stated that the inventory accounting information system aims to make it easier for company management to obtain relevant information, facilitate operational functions, and support the provision of information used to plan and control company activities. Benefits of community service activities carried out at CV. Duta Survey Indonesia aims to facilitate inventory control with an accurate program that will facilitate decision-making and determining the steps to be taken so that it runs smoothly, quickly, and precisely.

5. Conclusion

In carrying out community service activities at CV. Duta Survey Indonesia can conclude that implementing a good and accurate program can reduce errors in recording and calculating inventory (human error), help companies make decisions quickly and precisely, and make work much more organized and effective. Of course, it is necessary to carry out regular evaluations and updates regarding existing data collection systems and procedures.

The managerial implication in this research is that Accurate users help ensure accurate inventory data. Precise data regarding stock amounts, movement of goods, and procurement needs can help managers make the right decisions. With Accurate, the inventory control process becomes more automatic and integrated. This effort reduces manual work, reduces the risk of errors, and increases operational efficiency. Accurate users help in better inventory control; managers can set minimum and maximum inventory levels, track goods movements, and detect deviations quickly.

Recommendation

Based on the community service activities that have been carried out, the recommendation that can be given is that there needs to be consistency in carrying out each procedure that has been determined without accidentally forgetting one of the procedures. This is done so that there are no errors in inventory control and a good, effective, and efficient administration system is achieved.

Restrictions and Advanced Community Service

Several obstacles occurred during this community service activity, such as frequent errors in recording goods due to human error, lack of understanding of the types of goods, and lack of consistency in carrying out each existing procedure, so there were still data errors when double-checking. Further, community service can be focused on transactions in and out of goods so that it is clearly known where the goods were obtained and where the goods were removed from the warehouse.

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