

Analysis of the Application of Inventory Accounting Information Systems

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ABSTRACT

The development of the industry that is currently increasing rapidly makes the level of competition even tighter. Companies need to pay attention to several things in the face of competition, one thing that really needs to be considered is inventory for the smooth running of the entire order fulfillment process on CV. Prosperous Business Development. This research was conducted to find out whether the implementation of the inventory accounting information system at the company has been running in accordance with production operational standards or still needs improvement. The results showed that the Accounting Information System at CV. Bina Usaha Sejahtera is still not running optimally because existing production operational standards are not properly implemented by employees.



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1. INTRODUCTION

Current rapid industrial development has created increasingly fierce competition among companies. In an effort to survive and develop, companies need to pay attention to key factors, one of which is the ease of controlling raw material supplies. Managing raw material inventories is very important in the industrial era 4.0, where the application of accounting information systems can provide significant benefits in effectiveness and efficiency.

This research was conducted to answer the challenges of raw material inventory management in the context of industry 4.0. This phenomenon is based on intense competition, where inventory control can be a key factor in maintaining competitiveness. By referring to related theories, it is necessary to understand the interrelationship of variables in the inventory management process. The research problem involves CV selection. Bina Usaha Sejahtera as the focus of research and understanding the gaps that need to be addressed.

CV Selection. Bina Usaha Sejahtera as a research focus is considered because of its advantages in the industrial and logistics context. This institution is considered representative for understanding industry realities and gaining in-depth insights. This decision is based on considerations of educational quality, experience, and the relevance of the institution to the research objectives.

Although Industry 4.0 offers great opportunities in raw material inventory management, there are gaps that need to be addressed. In this case, the company CV. Bina Usaha Sejahtera still relies on a manual accounting information system, which results in discrepancies between recording and physical inventory. This gap shows the need for transformation towards a more sophisticated accounting information system.

In response to this GAP, this research aims to analyze the implementation of the inventory accounting information system at CV. Building a Prosperous Business. By detailing the GAP between the manual systems used today and the needs of industry 4.0, this research is expected to contribute to the understanding and implementation of advanced technology in inventory management. The novelty of this research lies in its detailed approach to the problems faced by companies and their implications for company performance. Thus, it is hoped that this research can provide practical benefits in increasing the efficiency of raw material inventory management, which in turn will have a positive impact on company performance and profitability. The detailed aim of this research is to provide concrete and practical guidance for implementing an inventory accounting information system that meets the demands of the industrial era 4.0, with a focus on CV companies. Building a Prosperous Business

2. LITERATURE REVIEW

Accounting information system

An accounting information system is an organization of formulas, records and reports that are coordinated in such a way as to provide the financial information needed by management to facilitate company management. In the accounting system, it is necessary to differentiate the terms system and procedure, where the system is a network of procedures created according to an integrated pattern to carry out the company's main activities.

Inventory

Inventory is an idle resource that is waiting for further processing. This means that this further process is in the form of production activities in the manufacturing system, marketing activities in the distribution system or food consumption activities in the household system. Nasution (2003) in Ferdian (2010).

3. RESEARCH METHODS

The research method used in this research is descriptive qualitative. Descriptive qualitative is qualitative research with a descriptive approach according to Moleong (2014). Qualitative research is research that intends to understand the phenomena experienced by research subjects, for example behavior, perceptions, motivations, actions, etc. by utilizing various scientific methods. The qualitative research method with

a descriptive pattern is carried out, intending to systematically describe the facts and characteristics of the object or subject being studied accurately.

4. RESULTS AND DISCUSSION

Results

The research results obtained are the Accounting Information System found on CV. Bina Usaha Sejahtera is still not optimal, one of the factors causing this is the double duty in the warehouse, resulting in frequent discrepancies between physical inventory counts and administrative records. Based on interviews with the Supplies (warehouse) section of CV. Building a Prosperous Business and direct observation at CV. Bina Usaha Sejahtera in March-August, which is related to the CV Inventory policy method. Building a Prosperous Business.

"From the CV warehouse. Bina Usaha Sejahtera in its inventory calculations uses the physical method, where goods are recorded manually in detail according to the entry and exit of goods and at the time specified by the company for the physical inventory count." (informant 1).

Functions involved in CV inventory. Bina Usaha Sejahtera based on survey results and observations from March - August at CV. Prosperous Business Development, namely as follows:

1. Warehouse Function
2. Administrative Function
3. Physical and Inventory Counts

Table 1. Functions related to the Inventory Accounting System on CV. Building a Prosperous Business

Function	Description	Field Conditions	Information
Warehouse Function	The warehouse function functions in adjusting inventory data in terms of quantity recorded in the warehouse card based on the results of stock taking calculations or physical calculations	Warehouse Function at CV. Bina Usaha Sejahtera is carried out by only one person. The warehouse department has the same duties and functions as recipient and distribution.	It is not in accordance with
Function Administration	The administrative function is tasked with carrying out procurement and recording transactions including sales, purchases, debts, archiving invoices from distributors.	CV. Bina Usaha Sejahtera's administrative functions have been running well, starting from carrying out procurement and recording all transactions.	In accordance
Calculation Physical and Inventory	In physical and inventory calculations, you are responsible for the physical calculation of goods in the warehouse.	CV. Bina Usaha Sejahtera, the physical calculation and inventory section has not been running well under the responsibility of the warehouse.	It is not in accordance with

Source: Processed CV data

Based on the results of the researcher's analysis of related functions in CV. Bina Usaha Sejahtera is still not good because there are two functions that are not appropriate. Based on the theory regarding functions related to multiple tasks carried out between warehouse function employees, and physical inventory calculations are still carried out by one person resulting in frequent differences in calculations due to the dual tasks.

In accordance with the theory regarding the functions used in the inventory accounting information system according to Mulyadi's theory (2016: 487), the functions related to the inventory accounting system, namely in the first point, the warehouse function cannot be carried out properly because it is not in accordance with the applicable theory regarding dual tasks, for The second point is the accounting function on CV. Bina Usaha Sejahtera has been running properly and is handled by the administration department, and the third point, namely physical calculations and inventories, has been running according to theory and under the responsibility of the warehouse.

Relevant documents in CV Inventory. Bina Usaha Sejahtera based on survey results and observations from March – August at CV. Prosperous Business Development is as follows:

1. Purchase invoice
2. Receipt report notes
3. Stock Taking Card

Table 2. Documents in the Accounting Information System
CV. Inventory Building a Prosperous Business

Document	Description	Field Conditions	Information
Purchase Invoice	The Purchase Invoice is proof from the supplier to the company and will be kept by the administration as an archive.	CV. Bina Usaha Sejahtera uses invoices as proof of future purchases saved as an archive/report by the administration.	In accordance
Receipt Report Notes	Receipt Reporting Note is a note that contains the quantity or number of supplies that have arrived and been received to ensure whether they are in accordance with the quantity ordered.	CV. Bina Usaha Sejahtera maintains revenue report records as a source of information for financial reports.	In accordance
Physical Counts and Inventory	In the physical calculation of inventory, you are responsible for the physical calculation of goods in the warehouse.	CV. Bina Usaha Sejahtera carries out physical and inventory counts to prevent empty inventory from occurring and hampering the production process.	In accordance

Source: Processed CV data

Based on the results of the researcher's analysis of related documents on CV. Bina Usaha Sejahtera is in accordance with the policies implemented by the company. Theory regarding documents related to inventory, at CV. Bina Usaha Sejahtera has been running well and in accordance with the available documents starting from purchase invoices,

recording receipt reports, to physical and inventory counts.

Related records in the CV inventory system. Prosperous Business Development is as follows:

1. Stock Taking Card
2. Purchase Journal

Table 3. Notes related to the Inventory Accounting System on CV. Building a Prosperous Business

Document	Description	Field Conditions	Information
General ledger	General journals are used to record adjusting journal entries for inventory accounts due to differences between the balance recorded in the inventory account and the balance from the physical count.	CV. Bina Usaha Sejahtera is in accordance with the theory that the manager creates the general journal.	In accordance
Inventory Card	This card is used as a note to record the lack of raw materials or other supporting materials to find out about the next purchase and monitor the inventory of goods that have been stored in the warehouse.	CV Bina Usaha Sejahtera uses a manual system to record various types of inventory materials.	It is not in accordance with

Source: Processed CV data

Based on the results of the researcher's interview with the Administration Department which was conducted on July 31 2023 at CV. Building a Prosperous Business.

Informant 3: "In our recording section there are 3 records, namely, the stock taking card, and the purchases journal and general journal"

Based on the results of the researcher's analysis of related records in CV. Bina Usaha Sejahtera is quite good and complete based on the theory regarding records related to inventory, the existence of inventory cards and general journals, this is considered complete to fulfill the theory based on the records used in the inventory expenditure accounting information system.

According to Mulyadi's theory (2016: 486), the records related to the inventory expenditure accounting system are tables of comparisons between theory and practice of documents related to inventory expenditure on CV. Building a Prosperous Business. Related notes are:

1. The General Journal is appropriate for making a general journal from the manager.
2. The Accounting function is carried out by the admin section to archive sales, purchases, debts, invoices, create financial reports on inventory purchases.
3. Inventory Card, namely writing down the stock amount using manual recording.

5. CONCLUSION

Conclusion

Based on the results of the research and analysis carried out by the researcher, the researcher draws the conclusion that the company already has an SOP (Standard Operating Procedure) for an Inventory Accounting Information System, but this is not working well due to the multiple tasks and functions in each section, Also inadequate human resources resulting in invalid financial reports. This must be corrected to determine the discipline of each employee in complying with SOP (Standard Operating Procedures) for the smooth running of the Accounting Information System at CV. Building a Prosperous Business.

Suggestion

Based on the results of research and analysis carried out by researchers at CV.Bina Usaha Sejahtera, the researchers provided the following contents:

1. All company employees must implement an Accounting Information System according to the company's SOP, which so far has not been implemented properly.
2. The placement of each section must be adjusted to the capacity of human resources so that human resources are able to carry out each task to the maximum and according to their abilities.
3. It is necessary to have a warehouse expedition book so that someone is responsible for the entry and exit of goods.
4. Replacing the manual Accounting Information System with a computerized one.
5. Carrying out training in order to improve performance/increase employee abilities.

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