

Optimizing Data Input Process To Improve System Reliability In PT.BIG Warehouse Management

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Abstract

Efficient and accurate data input process is very important to improve system reliability in warehouse management. This article discusses strategies to optimize the data input process at PT.BIG, with a focus on the application of information technology and employee training. This study uses a qualitative approach that aims to identify challenges in the data input process, the application of information technology, employee training, an effective monitoring system that can improve the accuracy and efficiency of data input, and provide solutions that can improve the accuracy and reliability of the system. The results of the study indicate that the implementation of a technology-based warehouse management system and appropriate training can reduce data input errors, speed up operational processes, and increase customer satisfaction.

Abstrak

Proses input data yang efisien dan akurat sangat penting untuk meningkatkan keandalan sistem dalam manajemen gudang. Artikel ini membahas strategi untuk mengoptimalkan proses input data di PT.BIG, dengan fokus pada penerapan teknologi informasi dan pelatihan karyawan. Penelitian ini menggunakan pendekatan kualitatif yang bertujuan untuk mengidentifikasi tantangan dalam proses input data, penerapan teknologi informasi, pelatihan karyawan, sistem monitoring yang efektif yang dapat meningkatkan akurasi dan efisiensi input data, serta memberikan solusi yang dapat meningkatkan akurasi dan keandalan sistem. Hasil penelitian menunjukkan bahwa penerapan sistem manajemen gudang berbasis teknologi dan pelatihan yang tepat dapat mengurangi kesalahan input data, mempercepat proses operasional, dan meningkatkan kepuasan pelanggan.

Kata kunci: Input data, manajemen gudang, keandalan sistem, teknologi informasi, dan pelatihan karyawan.

Keywords: Data input, warehouse management, system reliability, information technology, and employee training.

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I. Introduction

In an increasingly competitive business world competitive , efficiency and accuracy in data management is a key factor that determines success Company operations . One of the aspect important in Warehouse management is the process of inputting invoice data sales . This process No only functioning as notes transactions , but also plays a role important in management inventory , processing orders , and reporting finance . However , many companies , including PT. Berhasil Indonesia Gemilang , are still depend on manual method in invoice data entry sales , which can cause various challenge .

Manual process in invoice data entry sale often face a number of significant challenges . First , the level of high error be one of problem main . Error humans , such as error Typing or negligence in enter data, can cause information that is not accurate . This is potential disrupt business processes and affect decision strategic decisions taken by management . Data inaccuracy can also impact on satisfaction customers , who rely heavily on speed and accuracy delivery goods . Second , the time required For Manual data entry often takes longer than with use system automatic . Employee must check and enter data one by one , which

can be result in delay in processing Order and delivery goods . In a moving industry fast , late This can harm company and reduce Power compete in the market.

main purpose in implementing data input process automation strategies in increase system reliability, namely analyze the existing data input process , identify the right technology For automation , Making a plan implementation automation , developing training protocols For employees , and prepare recommendations For repair sustainable .

Furthermore Regarding warehouse management systems, Aryanto et al. (2002) outlined under important his integration of information systems and technology in management warehousing . In his view , management warehousing No only related with storage and management supplies , but also involves use adequate technology For increase efficiency operational . Integrated information system can help optimize unification inventory , control inventory , and processing order . On the side In other words , Ikhwana (2022) emphasized importance efficiency in management warehousing . According to him , management warehousing must has a strong focus on the use of optimal space , efficient pick-and-pack processes , and accuracy high inventory .

With challenges said , it is important for PT. Successful Indonesia Gemilang For evaluate and improve the invoice data input process sales . Implementation technology information and systems automation can become effective solution For increase accuracy , efficiency , and reliability system data management . Through study this , it is expected can identified appropriate improvement strategies For overcome existing challenges and improve performance operational company in a way overall .

II. Method

Study This use approach qualitative descriptive For identify problems in the data input process which then explained in a way descriptive . Research results done analysis to design solutions to problems that arise related with activities in the warehouse.

Study This carried out at PT. Berhasil Indonesia Gemilang , with informant namely originate from (interviews and observations). Research This through collection techniques observation and interviews . Data analysis methods used is descriptive qualitative . According to Sugiyono (2016), “ method descriptive is method data analysis where the data is collected described such that appearance without drawn conclusions general ”. Qualitative methods is series activity data and topic analysis non- numerical research that compares theories certain For draw a conclusion.

III. Results and Discussion

PT. Successful Indonesia Gemilang is partners engaged in the field of material distribution building that was established on November 19 , 2014, located at Head Office Jl. Dr.Ir Soekarno No. 531 Surabaya. PT.Berhasil Indonesia Gemilang has 17 warehouses spread across East Java with adequate fleet as well as Human Resources (HR) are trained , reliable , experienced and committed tall trusted in give customer service . In this case administration PT. Successful Indonesia Gemilang apply technology information so that capable give support in information and services .

PT. Successful Indonesia Gemilang formed from the merger of 3 (three) distributors, namely :

1. PT. Suri Buana Perkasa
2. PT. Sinar Abadi Karya Bersama
3. PT. Bhakti Putera Wiramandiri

PT. Successful Indonesia Gemilang is one of the largest distributors in the East Java region in particular cement and non-cement fields . PT.Berhasil Indonesia Gemilang capable bring distributed products become more good , and uphold tall values trust , move forward together operate business as well as enlarge market share and build connection continuous work .

Strategy Data Management

Data management plays a role central in statistics study Because impact straight to accuracy information obtained . There is diverse device soft general statistics used such as Microsoft Excel, SPSS, Lisrel , and others . Data management is the process of changing data into information that has mark add . Good in organization big and also small , important For use method appropriate data processing . The data processing process is electronics includes steps like collection, processing , and monitoring results use reach objectives set . Information system involving elements like individuals , infrastructure , technology , media, procedures , and controls designed For provide information important to management and stakeholders other about crucial internal and external events , as well as as base For effective decision making .

Periodic Evaluation and Monitoring

The company must monitor and evaluate use program applications and how much effective That For increase data input efficiency . Marketing , evaluation regular help business find problems and find solutions. In addition to program applications , the Company can consider For build or adopt a support system others that can increase efficiency operation they . Management system integrated information is one of the example support system This system can help manage sales data with more Good .

Improvement Competence Employee

Skilled and competent employees is key in increase efficiency of sales data input . Therefore that , company must invest in development program employees , including training relevant technical and non - technical with task them . With apply recommendations above , it is hoped that the Surabaya Duct Tape Depot Company can reach level more efficiency tall in the sales data input process , so that can increase productivity and performance company in a way overall .

Management Information System

With merge element operation like management system , system information management (SIM) improves efficiency operational , reduce cost , increase quality product or services , and improve productivity employees . Supplies , finance , production and resources Power man help management monitor performance organization in a way overall and find areas that need repaired . Studies show that SIM usage increases efficiency operational , quality product or services , and costs operational . An effective SIM also helps organization in interact with customers and improve satisfaction customer .

System information effective management give impact significant positive on performance organization . With apply system information good management , company can manage data and information with more efficient and effective , so that allow taking more decisions good and more fast . It helps organization For increase productivity , reduce cost operational , and responding market changes or environment business more responsive .

In addition , the system information management also supports management source Power human , management inventory , management projects , and monitoring performance employees . With own system information strong management , company can to obtain superiority significant competitiveness in the industry and increase performance organization in a way comprehensive.

Interview Results and Conclusions

Based on results interview , which was conducted time currently conducting a survey of warehouses in the Madura area regarding some people representing customer or customer of PT.BIG. Selection the chosen based on with problems experienced by customers to the Company , the purpose from do interview This to customer is want to know information more Lots related problems with the data input process on invoices sales of PT BIG. In addition , the aim is for the Company to know How strategy For finish ongoing problem faced by customers .

At the conclusion of the interview said , the Company must pay attention to strategy management of incoming data on sales . In addition do evaluation or monitoring in a periodically at every warehouse in the Madura area so that it does not... happen same problem . The company does not only do improvements to the system programming his only , but also on improvements competence employees who must more improved with method do training skills in employees who are lacking in the field nya . Not only employees , the company also carries out improvements to the system Warehouse management information .

IV. CONCLUSION

Accurate data entry is vital elements in management warehouse that is not may ignored . Error in recording can result in consequence Serious for operational company and satisfaction customers . Therefore that 's important for company For apply system information effective warehouse , training employee with good , and take advantage of technology For ensure that all data recorded with accurate .

SUGGESTION

- System integration management warehouse with more technology advanced technology , such as a Warehouse Management System (WMS), is necessary done For ensure real- time data management .
- Providing training programs periodic for employee For increase skills in operate technology new .
- Monitor and evaluate the data input process regular use ensure that the system implemented walk in accordance hope and can improved in accordance need .

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