Design of Tbs Marketing Accounting Information System (Fresh Fruit Bunches) at Cv. Farmer Source

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ARTICLEINFO	ABSTRACT
	Accounting Information System (AIS) is a system that aims to collect data and report information relating to financial transactions. Marketing is a total system of business activities to plan, determine prices, promote and distribute want-satisfying goods and services to both current and potential consumers. In this system an application will be designed to calculate products to be marketed and products purchased and display financial reports and journals, using the Microsoft Visual Basic 2008 programming language and the Microsoft SQL Server 2005 database. fast, and can display reports quickly, precisely and accurately.

1. Introduction

In connection with the development of technology and information in this era of globalization, more and more companies are developing[1],[2],[3]. A newly established or developing company must be able to compete in a business world full of competition. Each company has a different strategy from other companies in achieving the targeted goals[4],[5].

In an agency, a company that has not used an information system, usually the preparation of reports is often not on time and the presentation of reports often experiences difficulties and errors in writing and the information needs of management at certain times cannot be fulfilled because the data is stored anywhere.[6],[7], then experience delays which automatically harm the company.

Therefore, many companies use computers as office support facilities, including in marketing accounting information systems, which so far are in the form of a large number of archives so that searching for them takes a long time.[8],[9],[10].

Problems that occur in the FFB marketing information system at CV. Sumber Tani, among others, is due to the fact that the system currently running is still manual, the existing data is in the form of many archives and transaction data in the form of handwritten sheets of paper so that in making reports it is less accurate[11], .

Therefore, in order to achieve company goals, each company is required to implement and develop an information system to support the process of making the right decision.

2. method

In completing this thesis the author uses 2 (two) study methods, namely:

2.1 Analysis of existing systems

In obtaining the data needed in the needs analysis, the authors use 2 (two) study methods in data collection, namely:

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a.   Field Study

Is a method that is carried out by conducting direct field studies to collect data, namely direct observation of the study location. The data collection techniques carried out are: Interview (Interview), This interview is carried out by holding direct communication with the Administration or employees of CV. Sumber Tani who can provide information and data obtained regarding the Marketing of FFB (Fresh Fruit Bunches) at CV. Farmer Source. Direct Observation (Observation), Is a data collection method that is quite effective for studying a system. Activities by direct observation of the condition of the company CV. Farmer Source.

b.   Library Studies (Library Research)

The author conducted a literature study to obtain data related to thesis writing from various reading sources such as books on research methods, VB.Net programming and database design.

2.2   How is the old system with the system that will be designed.

System analysis is the most important stage in designing a system because at this analysis stage it can be seen how the system will be running and what problems are being faced.

On CV. Sumber Tani, FFB marketing accounting calculations still use the Excel program. This results in data processing and reports that will be produced take a long time, because you have to look at the data contained on each sheet and rearrange it into printed report form.

The system that will be designed in writing this thesis utilizes a database in storing FFB marketing accounting calculation data on CV. Farmer Source. Data is grouped by category or group of data into tables contained in the database so that data storage can be structured and well organized.

In processing data designed using the VB.NET programming so that system users who will later be designed can carry out FFB marketing accounting calculations effectively and efficiently and in producing reports or information regarding FFB marketing accounting calculations it becomes easier.

2.3   System Testing / Testing

Testing is a critical element of software quality assurance and represents the principal review of specification, design, and coding. The approach taken by the author in testing the system created is using Black Box Testing. This test aims to show the function of the software on how it operates, whether the output data entry has been running as expected and whether the information stored externally is always kept up to date.

2.4   Research sites

This research was conducted at CV. Farmer Source, Pematang Sentang Hamlet, Pantai Cermin Village, Tanjung Pura District, Langkat Regency.

3.   Results and Discussion

3.1   Results Display

The following is a display of the results of the design of the FFB marketing accounting information system designed, along with the statement:

a.   Login Form

This view is the homepage view that can be seen by the user, to see the profile and type of disease he wants to see. Image of the home page display as shown in Figure IV.1.

**Figure 1.**Login Form display

b.   Main course

The main menu is the beginning of the information or design process that will be displayed

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Figure 2. Main Menu Display

c.   File Menu
    The File menu is part of the main menu which consists of Customer Input, Supplier Input, Product Input, and Exit menu.
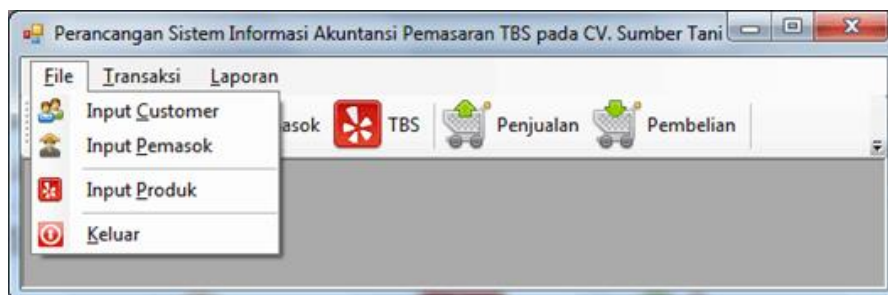
Figure 3. File Menu Display
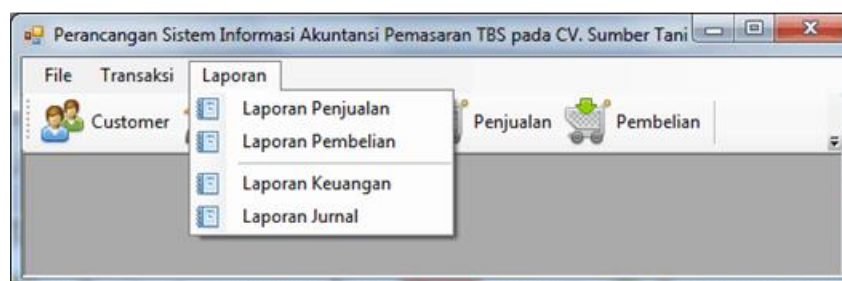
d.   Transaction menu
    The Transaction menu is part of the main menu which consists of the Sales menu and the Purchase menu

Fig.4. Display Transaction Menu

e.   Report Menu

The Reports menu is part of the main menu which consists of Sales Reports, Purchase Reports, Financial Reports and Journal Reports:

Figure 5. Report Menu Display

f.   Customer Data Input Form
    This form is used to process child disease data. The data display can be seen in the image below:

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Figure 6. Display of Customer Data Input Form

g. Supplier Data Input Form
   This form functions to manage supplier data which will be stored in the supplier table

Figure 7. Display of Supplier Data Input Form

h. FFB Product Data Input Form
   This form functions to manage FFB product data which will be stored in the FFB product table

Figure 8. Display of FFB Product Data Input Form

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i. Sales Data Input Form

Figure 9 Display of Sales Data Input Form

j. Purchase Data Input Form

Figure 10 Display Purchase Data Input Form

k. Financial statements

This page is a Financial Report format used to display company financial data.

Figure 11 Display of Financial Statements

l. Journal Report

This page is a Journal Report format used to display financial data based on sales and purchase transactions of FFB.

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Laporan Data Jurnal
CV.Sumber Tani

Tanggal	Keterangan	debit		kredit		Saldo	
1-Jan-1990	Kas	Rp.	0	Rp.	5,050,000	Rp.	5,050,000
2-Sep-2013	Beli	Rp.	750,000	Rp.	0	Rp.	4,300,000
6-Sep-2013	Jual	Rp.	0	Rp.	8,000,000	Rp.	12,300,000
15-Sep-2013	Beli	Rp.	600,000	Rp.	0	Rp.	11,700,000
20-Sep-2013	Jual	Rp.	0	Rp.	4,000,000	Rp.	15,700,000

Dibuat Oleh,

Medan, 9/12/2013
Diketahui Oleh,

Pimpinan

Figure 12.View Journal Report

3.2 Discussion

The results obtained from the discussion of the existing problems is the creation of a FFB marketing accounting information system program. Where this application is well created due to system analysis, program design based on data and existing needs and collecting the right data so that what the system needs can be fulfilled. In addition, the selection of the right application software, which has the ability to solve existing problems. Application software used in solving existing problems, namely: (a) Microsoft Visual Basic dot Net 2008 is a programming language that is used in the manufacture of FFB marketing accounting information systems because it is a faster and more reliable data access facility to create highly capable database programs and has a reliable compiler that can produce faster and more executable files. efficient than before. (b) Microsoft SQL Server 2005 is this software used to create databases that will accommodate the knowledge entered from expert systems. This software is used because designing, creating and processing the database is very easy and the process is fast and supported by a high security system that prevents other parties from damaging or opening the database. (c) Seagate Crystall Report 8. 5 is this software is used to make the desired system report. By using this software the author can easily make reports or repair reports that you want to fix.

4. Conclusion

Based on the description in the previous chapters and after conducting discussion, design and implementation, the authors can draw the following conclusions: This system was created to facilitate the processing of company financial data based on sales and purchase transactions of FFB. The accounting information system has been designed with a computerized system to produce financial reports and journals. Application designed for FFB marketing accounting using VB.NET programming and SQL Server database. Reports generated using the Crystal Report 8.5 application are in the form of sales reports, purchasing reports, financial reports and journals.

5. References

[1] A. Budihardjo, "Dynamics of Promotion in the Global Era,"*Maj. Science. Diana Science*, vol. 12, no. 1, 2018.
[2] AG Pradana, "Designing Educational Game 'AMUDRA' Android-Based Regional Musical Instrument," in*Proceedings of the National Seminar on Information and Communication Technology (SENATIK)*, 2019, vol. 2, no. 1, pp. 49–53.
[3] M. Suradji, "Development of Information and Communication Technology in the Field of Student Affairs, Personnel and Finance at SMA Muhammadiyah 1 Gresik,"*TA'LIM J. Stud. Educator. Islam*, vol. 1, no. 2, pp. 347–371, 2018.
[4] TF Musfar,*Product and brand management*. Indonesian Science Media, 2021.
[5] G. Chakti,*The Book Of Digital Marketing: Digital Marketing Book*, vol. 1. Celebes Media Perkasa, 2019.
[6] M. Tabrani, "Application of the Waterfall Method in the Inventory Information System of Pt. Prosperous Healthy Food,"*J. Inkofar*, vol. 1, no. 2, 2018.
[7] MY Saputra and A. Arisman, "An Analysis of Financial Accounting Information Systems in Improving the Quality of Financial Reports at the General Election Commission Secretariat of South Sumatra Province," 2021.
[8] E. Susana and ET Budiyanto, "ANALYSIS OF COMPUTERIZED INTERNAL CONTROL SYSTEM EFFECTIVENESS FOR CASH SALES AT SPBU".
[9] R. Rasmadi, "THE INFLUENCE OF APPLICATION OF FUNDS DISBURSEMENT INFORMATION SYSTEMS, TREASURE ARCHIVES (SIPAMANDAR) AND LEADERS' SUPPORT ON FRAUD PREVENTION AT THE OFFICE OF THE FINANCIAL AND REVENUE MANAGEMENT AGENCY IN WEST SULAWESI PROVINCE." ITB Nobel Prize Indonesia, 2021.
[10] C. Full Moon,*Management information System*. Chamdan Purnama, 2021.
[11] D. Dharsono, SH Heriwati, and MAJ Purnomo, "CREATION OF SPECIAL BATIK OF KARANGANYAR REGENCY FROM VISUAL SOURCES OF NATURAL WEALTH TO INCREASE PRODUCT COMPETITIVENESS AND COMMUNITY ECONOMY. 2025 (PRINAS MP3EI 2011–2025)," 2017.

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