Accounting Information System for Calculating Remaining Profits from Cooperative Operations Using the Direct Method at Primkoppol Belawan Port Resort

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**Article History:**
Received Apr 20, 2023
Revised May 17, 2023
Accepted May 30, 2023

**Keywords:**

**Abstract**
Primkoppol Belawan Port Resort is the Agency and Implementer of Cooperatives at the Polres Level, also assists in the implementation of the Cooperative work program and policies underlined by the North Sumatra Police and Puskoppolda Leaders in an effort to assist Leaders in realizing the welfare of members of the Police and Civil Servants of the Police and their families, which is carried out by raising funds from members and channeling/financing in the real business sector. there are also those who say that Primkoppol Belawan Harbor Resort is a microfinance institution that can and is able to serve the needs of members based on a profit sharing system. As happens in every company, both government-owned and private companies have relatively large numbers of transactions, so a database is needed that can store and process the data efficiently, quickly and can be used at any time when needed. Primkoppol Belawan Harbor Resort is a private financial institution engaged in savings and loan services. Primkoppol Belawan Resort Resort's activities are inseparable from members' savings and loan transactions, so a computerized system is needed so that transactions run well. This information system was built using Visual Basic 2010 and SQL Server 2008 as the database. Primkoppol Belawan Belawan Resort Resort's activities are inseparable from members' savings and loan transactions, so a computerized system is needed so that transactions run well. This information system was built using Visual Basic 2010 and SQL Server 2008 as the database. Primkoppol Belawan Belawan Resort Resort's activities are inseparable from members' savings and loan transactions, so a computerized system is needed so that transactions run well. This information system was built using Visual Basic 2010 and SQL Server 2008 as the database.

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**1. Introduction**
Computers provide the right solution in producing the latest information. Therefore (Kamaluddin & Patta Rapanna, 2017), it takes experts in the field of computers, in order to meet the needs of information. A computer is an electronic device that functions to process data using certain programs to produce information (Wijoyo, 2021), (Mukhsin, 2020). The process of processing data using a computer is called electronic data processing. Computers play an important role in the process of calculating and processing data that works with very high speed and accuracy.
As with transactions that occur in every company, both government-owned and private companies are relatively large in number, so a database is needed that can store and process the data efficiently. (Fridayanthie & Charter, 2016), (Adam, 2020), fast and can be used anytime when needed. The accuracy and speed of data processing of every transaction that occurs in cooperatives is one of the keys to being able to produce fast, precise and accurate information. Fast, precise and accurate information really helps companies in making the right decisions for the company (Rizaldi, Maria, Wahyono, Purwanto, & Hartomo, 2022), (Gusriadi, 2021).

The Primkoppol of Belawan Port Resort is none other than the Cooperative Agency and Executor at the Polres Level, also assisting in the implementation of the Cooperative work program and policies outlined by the North Sumatra Police and Puskoppolda Leaders in an effort to assist Leaders in realizing the welfare of Polri members and PNS Polri and their families in an orderly and continuous manner continuously.

In accordance with its function Primkoppol Belawan Port Resort also compiles all reports that record all transactions that occur in cooperatives during one period, so that users can find out the benefits obtained as members of the cooperative for one period and find out the Remaining Results of Operations (SHU) obtained (Amy, 2021). SHU (Remaining Business Results) is also called profit, but the term in cooperatives is SHU. To support ongoing transactions, a good computerized system is needed for the smooth performance of the Primkoppol of Belawan Port Resort. In processing Primkoppol transaction data, the Belawan Port Resort experienced a few problems because it still used a manual system. By using a manual system, the problem that arises is in terms of recording the amount of transaction data, after being analyzed, several weaknesses were found which caused the information or reports that were generated to be processed too long so that the results were less than optimal (Istikomah, 2019).

2. RESEARCH METHOD

2.1 Existing System Analysis

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

a. Field Study

Is a method that is carried out by conducting direct studies in the field to collect data, namely direct observation of the study location. The data collection techniques carried out by the author are:

a) Observation

Namely by making direct observations of the savings and loan system run by BMT Darul Ihsan to obtain the required data.

b) Sample

Take examples of the data needed, especially savings and loan transaction data, customer data and others.

b. Library Studies (Library Research)

Namely looking for references by reading books related to savings and loan systems, information systems and Java applications as well as searching the internet to add the needed references.

2.2 Research sites

In the process of writing this thesis, the writer conducted research on: Primkoppol Belawan Port Resort, Jl. Belawan Raya Harbor 1.

3. RESULTS AND DISCUSSIONS

3.1 Results Display

The display of the results of the program that the author designed is as follows:

a. Login Display Form

The display of login results from the program that the author designed can be seen in Figure 1. following:
b. Main Menu Result Display
The display of the main menu results from the program that the author designed can be seen in Figure 2 below:

![Main Menu Display](image)

Figure 2. Main Menu Display

C. Member Result Display Form
The display of member results from the program that the author designed can be seen in Figure 3 below:

![Member Results Display](image)

Figure 4. Display of Member Results
d. Savings Results Display
   The display of the results of the savings from the program that the author designed can be seen in Figure 4. following:

   ![Figure 5. Display of Savings Results](image)


e. Loan Result Display
   The display of loan results from the program that the author designed can be seen in Figure 5 below:

   ![Figure 6. Display of loan results](image)

f. Payment Result Display
   The display of payment results from the program that the author designed can be seen in Figure 6 below.
g. Expenditure Result Display
The appearance of the output results from the program that the author designed can be seen in Figure 7. The following:

h. Display of Member Data Report Results
The display of the results of the member data report from the program that the author designed can be seen in Figure 8. Following;
i. Display of Data Savings Report Results
   The display of the results of the saving data report from the program that the author designed can be seen in Figure 9. The following;

j. Display of Loan Data Report Results
   The display of the results of the loan data report from the program that the author designed can be seen in Figure 10. Below;
3.2 Discussion

The stages carried out in the trial implementation of the system are as follows: Example of calculating the remaining results of operations: It is known that interest income at Primkoppol Resort Belawan Harbor for a year is 12,000,000.00, - and expenses for other expenses used during the year are 7,000,000.00, - then the remaining results of operations will be obtained as follows:

\[
\begin{align*}
\text{Income} & : \text{IDR 12,000,000.00} \\
\text{Total income} & : \text{Rp. 12,000,000.00} \\
\text{Expenditure} & \text{Other expenses} : \text{IDR 7000,000.00} \\
\text{Total Expenses} & : (\text{Rp. 7,000,000.00}) \\
\text{Remaining Business Results} & : \text{Rp. 5,000,000.00}
\end{align*}
\]
So from the statement above, the remaining operating results are received in the amount of Rp. 5,000,000.00.

**a. System Testing Techniques**

The system for calculating the remaining results of this business is used to determine the remaining results of a cooperative company, especially those owned by users who are designed to replace the old system with the new system. This system is designed using the Visual Basic programming language (Microsoft Visual Basic .Net 2010) and SQL Server database.

After the completion of the program design, a system test is carried out before implementing the system to see whether the program results are in accordance or not as expected. This program has been tested using a static testing technique (Static Technique), in which system trials have been carried out for the hardware and software needed to run the program, detailed system design, system formal rules, along with tests on the results of running the program.

The test results for all the criteria above have worked well, even the test program has produced the expected output, it only has a weakness, where this system does not yet have a good security system, so it still requires further development.

**4. CONCLUSION**

Based on the description and discussion in the previous chapters, the authors draw conclusions, including: The system created is used to calculate the remaining results of cooperative operations. The data that is the main ingredient of the system is in the form of member data, deposit data, loan data, and loan payment data. In making the system using Microsoft Visual Basic applications with Sql Server database..

**REFERENCES**

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