JoCoSiR
Journal of Computer Science Research ISSN 2986-2337 (Online)

Analysis and Design of a Petty Cash Fund Accounting Information System Using a Fixed Fund System at Cv. Yoga Solafide Finance

Sri Alima

Bachelor Degree, Information Systems Study Program, College of Informatics and Computer Management, (STMIK) Potential Main, Medan, Indonesia

e-mail: srialima@gmail.com

ARTICLEINFO

Article history:
Received Feb 28, 2023
Revised Mar 08, 2023
Accepted Apr22, 2023
Available online Apr 30, 2023

Keywords:
Accounting information system
VB 2008
SQL Server 2005
Petty cash
Fixed Fund

IEEE style in citing this article:
A.. Sri, "Analysis and Design of a Petty Cash Fund Accounting Information System Using a Fixed Fund System at Cv. Yoga Solafide Finance, Volume 1 No 2 April 2023, pp. 46-51, 2023.

ABSTRACT

Currently a computer application system is needed to facilitate work. With this application, we can process the data we have to produce information that is definitely better and more useful for certain needs. But not infrequently there are several companies or agencies such as CV. Yoga Solafide who still hasn't implemented this in their performance process such as processing costs such as petty cash funds so that generating information takes quite a long time and sometimes errors occur due to the absence of a special system for processing petty cash fund data on CV. Solafide Yoga.

1. Introduction

The development of data processing technology is currently growing rapidly[1]. This is due to the development of science and technology and the existence of hardware and software to facilitate human work[2], one of which is a computer. As is the case with companies and other types of businesses that have used computer technology [3]. However, it is not only companies that apply this, currently agencies - both big and small agencies have also implemented it too[4],[5].

Currently a computer application system is needed to facilitate work. With this application, we can process the data we have to produce information that is definitely better and more useful for certain needs[6]. But not infrequently there are several companies or agencies such as CV. Yoga Solafide who still hasn't implemented this in their performance process such as processing costs such as petty cash funds so that generating information takes quite a long time and sometimes errors occur due to the absence of a special system for processing petty cash fund data on CV. Solafide Yoga[7],[8]. Based on the description above, the writer wants to make a thesis by designing a computer application to support company performance[9],[10]**.**

2. Method

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

2.1 Field Study

Is a method that is carried out by conducting direct studies in the field to collect data, namely direct observation to the study location. The data collection techniques used by the author are: (a) Observation. This is a fairly effective data collection method for studying a system. Its activities are by direct observation of ongoing activities, namely petty cash fund data processing activities. (b) Samples, taking samples of data on petty cash funds that are especially needed.

ISSN 2986-2337 (Online)

2.2 Library Studies (Library Research)

The author conducts a literature study to obtain data related to thesis writing from various reading sources such as: books about information systems and Vb.net applications, the internet, and others.

2.3 Testing / Trial system

Done to find out whether the programming work has been done correctly so that it can produce the desired functions. Testing is also intended to find out the limitations and weaknesses of application programs that are made to make improvements as much as possible.

2.4 Research sites

The location of the research in writing this thesis the writer did on CV. Solafide Yoga Jl. Gatot Subroto Km. 4.5 No. 15 Medan.

3. Results and Discussion

The author designed a petty cash fund accounting information system program using a fixed fund system using the Microsoft Visual Basic .Net programming language using the Microsoft SQL Server database, the design results of the program are as follows.

3.1 Program Results Display

a. Login Form

The appearance of the login form that the author made can be seen in the picture

Figure 1. Login Form

b. The display of the main menu form that the author made can be seen in Figure IV. 2 as follows

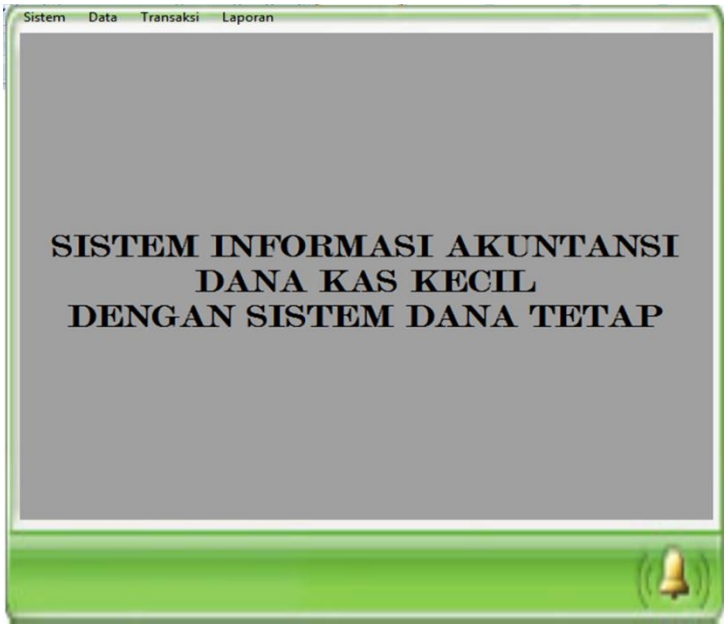

Figure 2. Main Menu Form

http://doi.org/10.XXXXX/JoCoSiR.v1iss1.pp 46-51

ISSN 2986-2337 (Online)

c. Petty Cash Formation

The appearance of the petty cash formation form that the author made can be seen in Figure IV. 3 as follows

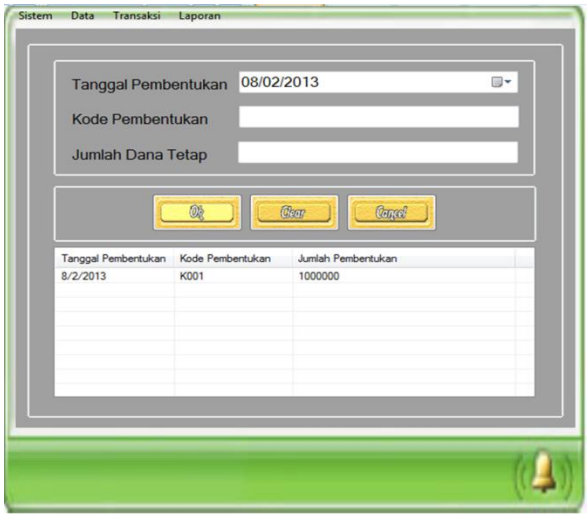

Figure 3. Petty Cash Formation

d. Petty Cash Disbursement Form.

The appearance of the petty cash disbursement form that the author made can be seen in Figure IV. 4 as follows:

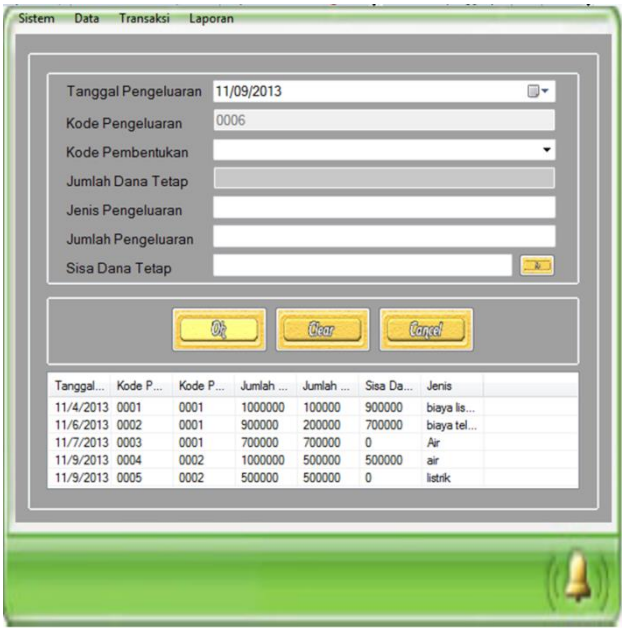

Fig.4. Petty Cash Disbursement Form

e. Establishment Report Form

The display of the formation report form that the author made can be seen in Figure IV. 5 as follows:

ISSN 2986-2337 (Online)

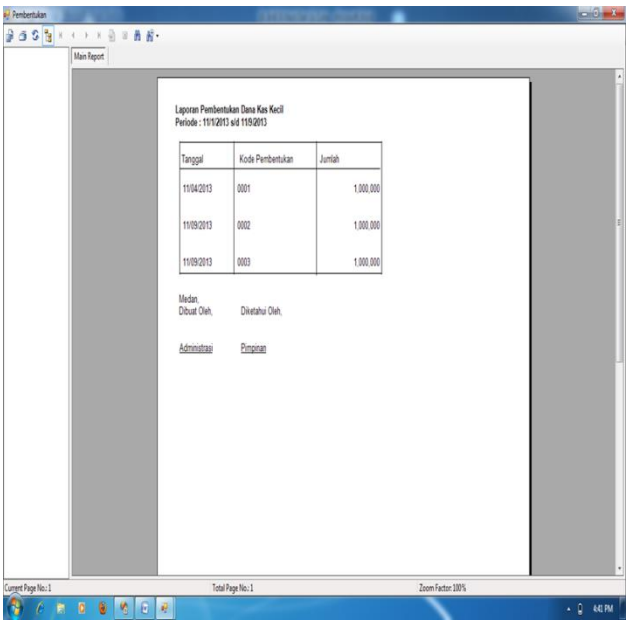

Figure 6. Establishment Report Form

f. Expenditure Report Form

The appearance of the expense report form that the author made can be seen in Figure IV. 6 as follows

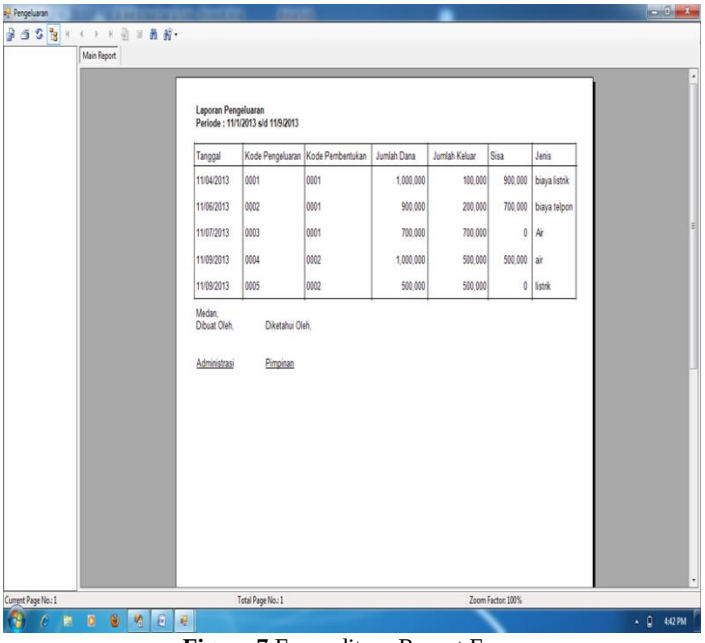

Figure 7. Expenditure Report Form

g. Petty Cash Journal Form

The appearance of the petty cash journal form that the author made can be seen in Figure IV. 7 as follows:

ISSN 2986-2337 (Online)

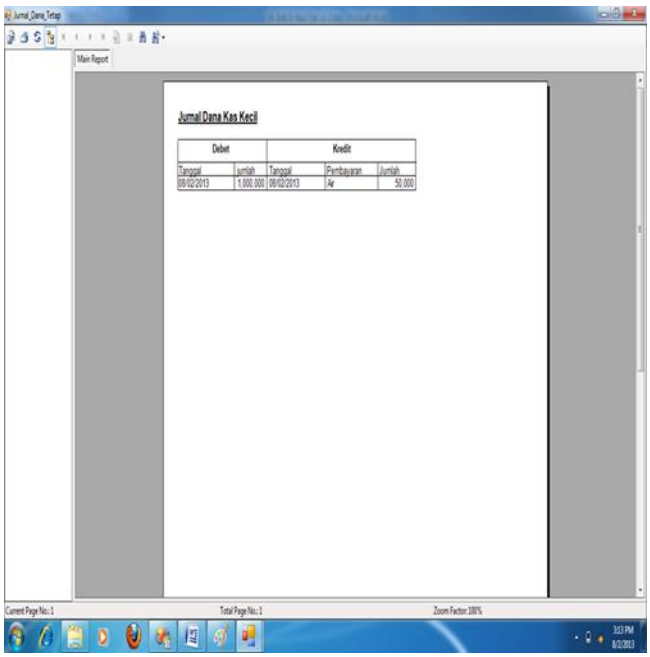

Figure 8. Petty Cash Journal Form

3.2 Discussion

The stages carried out in the trial implementation of the petty cash fund accounting information system using this fixed fund system are as follows:

a. System Testing Techniques

petty cash fund accounting information system using a fixed fund system is designed to replace the old system with a new system. This system is designed using the Visual Basic programming language 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.

b. How to Run the System

Before the petty cash fund accounting information system using this fixed fund system is used, it must first be installed on a PC. The program installation steps are as follows: (a) Insert the petty cash fund accounting information system CD using the fixed fund system, then the files on the CD into one of the drives. (b) Then install using a file with the name KasKecil.Exe. (c) Copy database to SQL Server PC. (d) After installation, the system can run.

4. Conclusions

Based on the research that has been done, the authors draw the following conclusions: Design of a petty cash fund accounting information system at CV. Yoga Solafide Finance is a system designed to make it easier to process petty cash data. The designed information system consists of data input for the formation of petty cash and data input for petty cash disbursements which produce petty cash fund reports, petty cash disbursements and petty cash journals. Information systems designed to use access rights as system controllers or controls so that users can be limited according to their needs in order to minimize data manipulation. The designed information system can produce reports that are fast, accurate and efficient.

5. References

[1] M. Danuri, "Perkembangan dan transformasi teknologi digital," *J. Ilm. Infokam*, vol. 15, no. 2, 2019.

[2] S. Anshori, "Pemanfaatan teknologi informasi dan komunikasi sebagai media pembelajaran," *Civ. J. Ilmu Pendidik. PKn dan Sos. Budaya*, vol. 2, no. 1, 2018.

[3] D. Z. Abidin, "Kejahatan dalam Teknologi Informasi dan Komunikasi," *J. Process.*, vol. 10, no. 2, pp. 509–516, 2017.

[4] K. Atus Sholihah, M. Masburiyah, and N. Nurman, "Efektivitas Penyelenggaraan Pelayanan Perizinan dan Penanaman Modal Berbasis Online Terhadap Usaha Kecil dan Menengah (Studi Dinas Penanaman Modal dan

ISSN 2986-2337 (Online)

Pelayanan Terpadu Satu Pintu Kabupaten Batang Hari).” UIN Sulthan Thaha Saifuddin Jambi, 2021.
[5] A. B. Susanto, *Strategic Leadership*. Gramedia Pustaka Utama, 2019.
[6] W. Nugraha, M. Syarif, and W. S. Dharmawan, “Penerapan Metode Sdlc Waterfall Dalam Sistem Informasi Inventori Barang Berbasis Desktop,” *JUSIM (Jurnal Sist. Inf. Musirawas)*, vol. 3, no. 1, pp. 22–28, 2018.
[7] W. Setiawati, “Penyusunan Standard Operating Procedure (Sop) Pada Pt. Sketsa Cipta Graha Di Surabaya,” *Agora*, vol. 3, no. 1, pp. 514–522, 2015.
[8] S. N. Susianto, “Pengaruh penerapan wajib IFRS, jenis industri, rugi, anak perusahaan, ukuran kap, ukuran perusahaan, opini audit, dan ukuran komite audit terhadap audit report lag (ARL)(studi empiris pada perusahaan yang terdaftar di bei periode tahun 2009-2013),” *J. Akunt. Bisnis*, vol. 15, no. 1, pp. 152–178, 2017.
[9] A. Sidik, S. Sutarman, and M. Marlenih, “Perancangan Sistem Informasi Penjualan Perumahan Citra Raya,” *J. Sisfotek Glob.*, vol. 7, no. 1, 2017.
[10] M. R. I. D. ABANG, “ANALISA DAN PERANCANGAN SISTEM INFORMASI PENGOLAHAN DATA KEBENCANAAN BERBASIS DESKTOP PADA BADAN PENANGGULANGAN BENCANA DAERAH PROVINSI KEPULAUAN.” STMIK ATMA LUHUR, 2017.