Journal of Mekintek, 14 (1) (2023) pp. 17-24

Published by:IHSA Institute

Mekintek Journal: Journal of Mechanical, Energy, Industry and Technology

Homepage journals:www.ejournal.isha.or.id/index.php/Mekintek

Online Payment Accounting Information System Credit On Cv. Yoga Solafide Finance

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ARTICLEINFO

Article history:

Received Mar 29, 2023
Revised Apr 17, 2023
Accepted Apr 30, 2023

Keywords:

Accounting Information System,
Credit Payments,
Visual Basis 2010,
SQL Server 2008.

ABSTRACT

Currently a computer application system is needed to facilitate work. With this application, we can manage the data we have to produce an information system that is definitely better and more useful for certain needs. But not infrequently there are several companies or agencies such as CV. Yoga Solafide Finance has not yet implemented this in its performance processes such as credit payments so that generating information takes quite a long time and sometimes errors occur due to the absence of a special system for managing credit payment data on CV. Yoga Solafide Finance. For this reason, it is necessary to create a system to manage credit payment data made using Microsoft Visual Basic 2010 and Microsoft SQL Server 2008 applications. It is hoped that this system can reduce system weaknesses in CV. Yoga Solafide Finance.

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1. INTRODUCTION

The development of telecommunication and informatics technology is currently making it easier for every user to access information services(Antoni et al., 2021),(Sari, 2022). This information service makes it easy for users to obtain information quickly and can be accessed from anywhere and anytime. Computers are considered to be able to improve the performance of an institution or company in terms of increasing speed, capacity and accuracy(Rahardja et al., 2019),(Beautiful, 2016). The use of computers is very necessary considering the problems faced are increasingly numerous and difficult. The computer is used as a tool in operating the inputs to provide the expected output and results. The results of processed computer data or output are referred to as information(Faishal, 2021),(Siregar & Harahap, 2019).

CV. Yoga Solafide Finance is a company engaged in leasing. The payment report procedure at CV.Yoga Solafide Finance involves the Administration section. In the recording process, the application used still uses Microsoft Excel, processing and data processing and generating reports allows frequent errors in making credit payment reports.(Satria & Fatmawati, 2021),(SURI, 2018).

Therefore, we need a computerized system and data storage media, so that credit payment reports can be made more quickly and accurately.

2. RESEARCH METHOD

Method is a systematic way or technique to work on a case. In completing this thesis, the author uses 2 (two) study methods, namely:

a. Field Study

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

Observation (Observation) The author made direct observations on the CV. Yoga Solafide Finance regarding Customer Receivables

Interview (Interview) Namely conducting interviews directly to the administration by Mrs. Rini Indharmawanty.

b. 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 and Vb.NET applications, the internet, and others.

2.1. Existing System Analysis

Is the procedures and steps needed to achieve the design objectives carried out. The steps are:

a. Analyze the problems that exist in the credit payment process at CV.Yoga Solafide Finance.
b. Designing a new system using the UML (Unified Modeling Language) method.
c. Create applications with the Vb.Net programming language

The system design procedure above can be described into several stages, namely Research Objectives, Analysis Stage, Specifications, Design and Implementation Stages, Verification and Validation stages. And the activities carried out at each stage are as follows:

a. Research targets/objectives

The research target was carried out to create an application to facilitate the performance of CV.Yoga Solafide Finance employees in processing data and producing more accurate information.

b. Needs Analysis

After determining the target, the authors analyze the company's work system, then retrieve and analyze the necessary data, for example, customer data, customer receivable data, the method of calculating the flat rate interest rate used by the company and proof of payment on credit.

c. Specifications and Design

Contains specifications for the designed tools, components, test equipment used and block diagrams of the equipment to be designed. The system design uses the Vb.NET programming language, SQL Server database. The computer specifications used are at least Intel Pentium II, 512 RAM and 80 Gb Hard Drive and the interest calculation method uses the Flat Rate Method.

d. Verification

Contains the steps taken in making the tool as well as the stages of testing carried out for each designed equipment block. Analyzing some of the errors that existed in the old system, Testing new applications to minimize existing errors, Performing maintenance on the new system if an error occurs.

e. Validation

Contains the steps taken when testing the equipment as a whole, the quantities to be tested, and measures to assess whether the tool is working properly according to specifications. After the application is created, it will then be run on the computer if it is appropriate and running

properly. Run new applications to be tested on old systems and perform system maintenance. See the results of information from applications that are made with the specifications of the computer used.

2.3 Location

As for the location where the author conducted the research, it was carried out in one of the companies engaged in leasing at CV. Yoga Solafide Finance which is located at Jln. Gatot Subroto Km. 4.5 No. 15 Medan.

3. RESULTS AND DISCUSSIONS

3.1 Results Display

The results of the product financing information system on CV. Yoga Solafide that was built can be seen in the pictures below;

a. Login Form display

Login Form is a form to enter User Name and Password. The display form of the Login form of the system being built can be seen in the image below

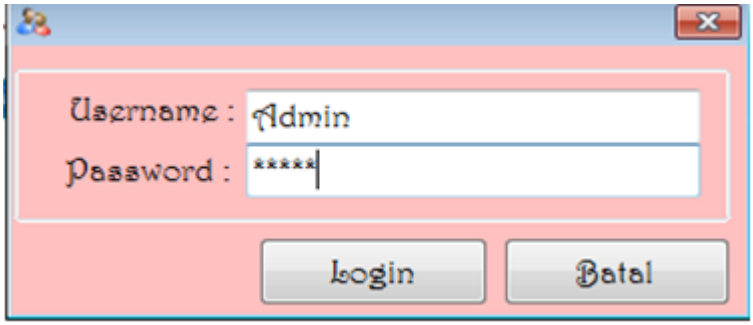


Figure 1: Login form

b. Display Main Menu Form

The Main Menu Form page is the initial appearance when the application is run. The appearance of the main menu form can be seen in Figure 2.

Figure 2 Main Menu Display

c. File Menu Form view

The Form Menu File page is a display that contains menus that function to display the data input form. The display form of the file menu form can be seen in Figure 3.

Figure 3: Display the File Menu

d. Display of the Report Menu Form

The Report Form Menu page is a display that contains a menu that functions to display the Report form. The display form for the Report menu form can be seen in Figure 4.

Figure .4: Display the Symptom Input Form

e. Exit Menu Form Display

The Exit Menu Form page is a display that contains a menu that functions to display the exit menu and server settings. The display form of the exit menu form can be seen in Figure 5.

Figure 5 : Exit Menu Display

f. Display of Customer Data Input Form (Customer)

The customer data input form page is a form for entering customer data. The display form for the customer data input form can be seen in Figure 6.

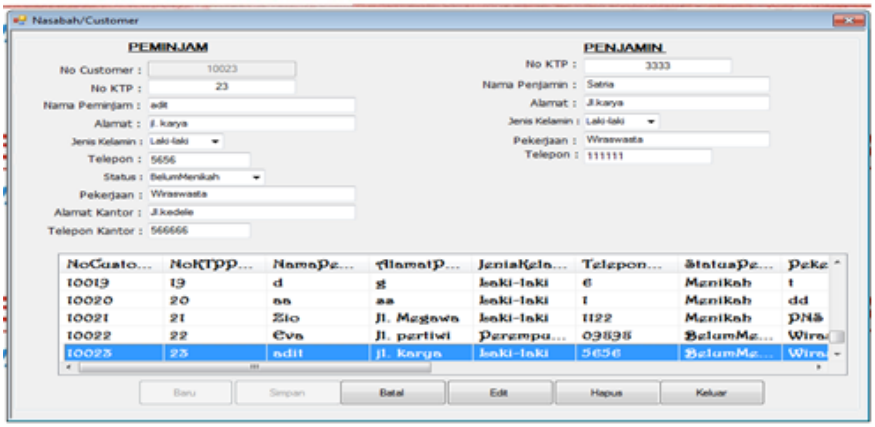


Figure 6: Display of Customer Data Input Form (Customer)

g. Loan Data Input Form display

The loan data input form page is a form for entering loan data. The display form for the loan input form can be seen in Figure 7.

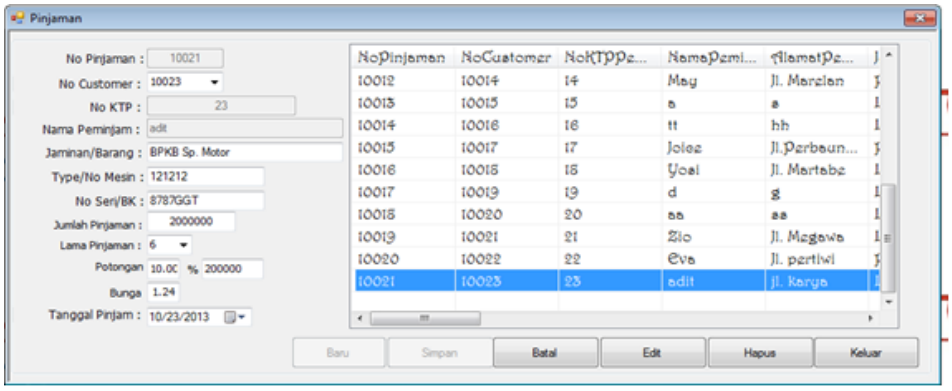


Figure 7 : Loan Data Input Form display

h. Display of Installment Data Input Form

The loan data input form page is a form for entering installment data. The display form of the installment input form can be seen in Figure 8 below:

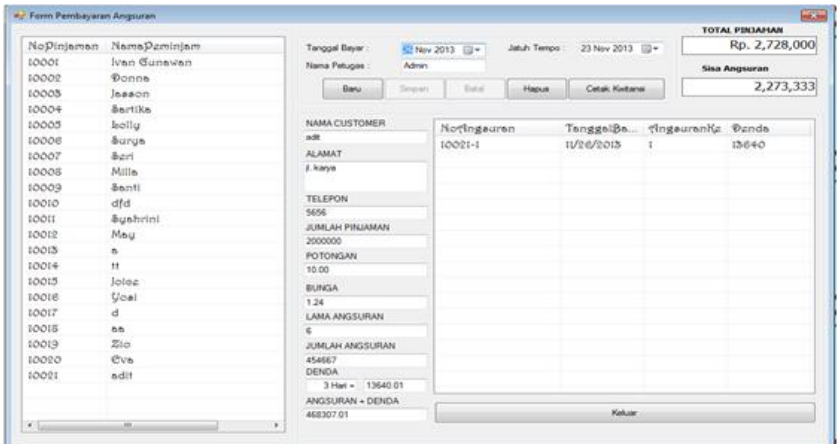


Fig.8: Display of Installment Data Input Form

i. Display Form Input Password

The password data input form page is a form for entering password data. The display form for the password data input form can be seen in Figure 9.

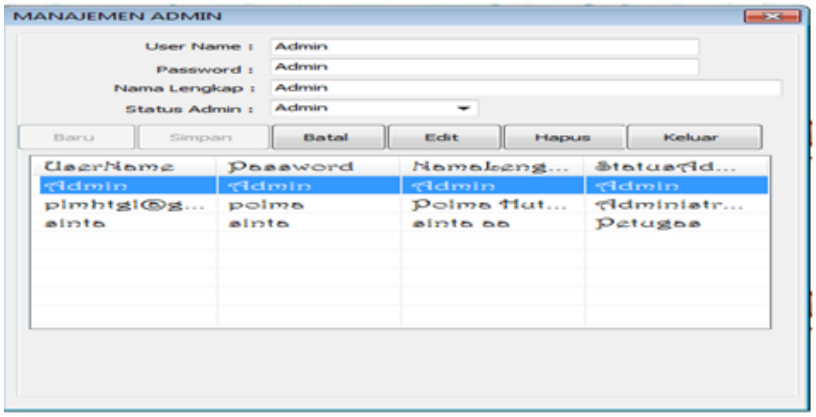
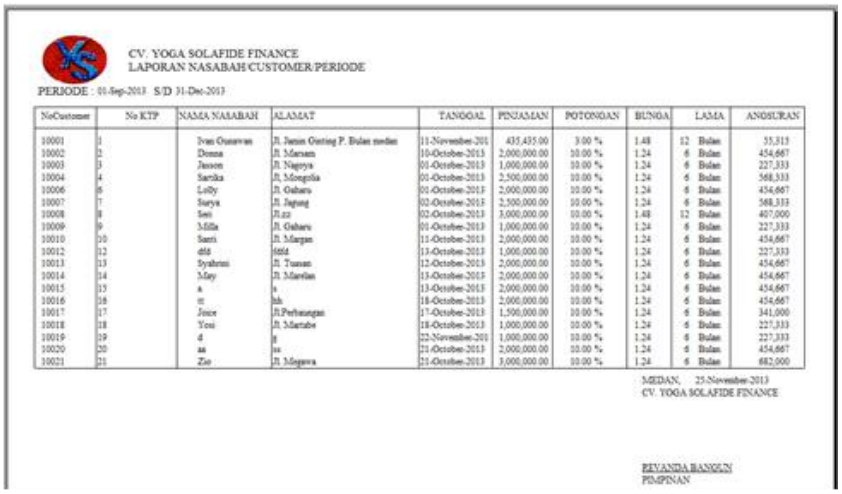


Figure 9: Display of Password Data Input Form

j. Display of Customer Reports (Customer)

The customer report display is a report that contains customers. The display form for customer reports can be seen in Figure 10.



CV. YOGA SOLAFIDE FINANCE
LAPORAN NASABAH CUSTOMER/PERIODE

PERIODE : 01-Sep-2013 S/D 31-Dec-2013

NoCustomer	No KTP	NAMA NASABAH	ALAMAT	TANGGAL	PINJAMAN	POTONGAN	BUNGA	LAMA	ANGSURAN
10001	1	Ivan Gunawan	Jl. Jamin Ginting P. Bulan medan	11-November-201	435,435.00	3.00 %	1.48	12 Bulan	35,315
10002	2	Donna	Jl. Marsam	10-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10003	3	Jasson	Jl. Nagoya	01-October-2013	1,000,000.00	10.00 %	1.24	6 Bulan	227,333
10004	4	Sartika	Jl. Mongolia	01-October-2013	2,500,000.00	10.00 %	1.24	6 Bulan	568,333
10006	6	Lolly	Jl. Gaharu	01-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10007	7	Surya	Jl. Jagung	02-October-2013	2,500,000.00	10.00 %	1.24	6 Bulan	568,333
10008	8	Seri	Jl.zz	02-October-2013	3,000,000.00	10.00 %	1.48	12 Bulan	407,000
10009	9	Milla	Jl. Gaharu	01-October-2013	1,000,000.00	10.00 %	1.24	6 Bulan	227,333
10010	10	Santi	Jl. Margan	11-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10012	12	dfd	fdfd	13-October-2013	1,000,000.00	10.00 %	1.24	6 Bulan	227,333
10013	13	Syahrini	Jl. Tuasan	12-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10014	14	May	Jl. Marelan	13-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10015	15	s	s	13-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10016	16	tt	hh	18-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10017	17	Joice	Jl.Perbaungan	17-October-2013	1,500,000.00	10.00 %	1.24	6 Bulan	341,000
10018	18	You	Jl. Martabe	18-October-2013	1,000,000.00	10.00 %	1.24	6 Bulan	227,333
10019	19	d	g	22-November-201	1,000,000.00	10.00 %	1.24	6 Bulan	227,333
10020	20	aa	ss	21-October-2013	2,000,000.00	10.00 %	1.24	6 Bulan	454,667
10021	21	Zio	Jl. Megawa	21-October-2013	3,000,000.00	10.00 %	1.24	6 Bulan	682,000

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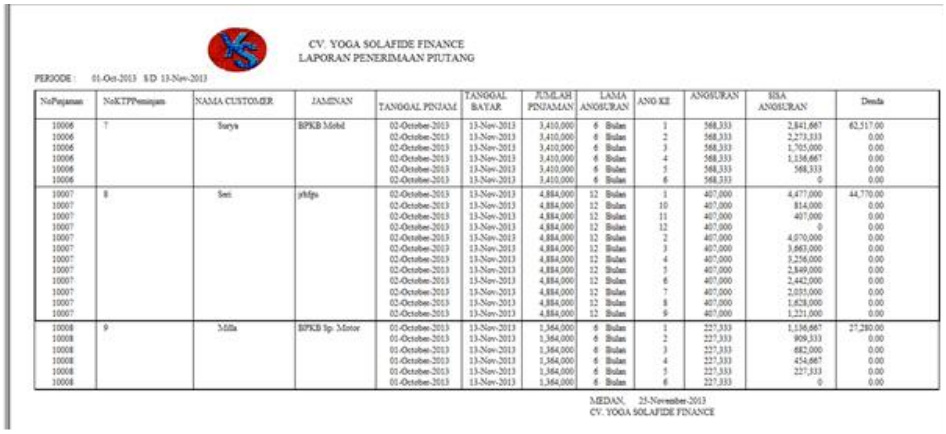
PEVANDA BANGUN
PIMPINAN

Figure 10. Display of Customer Reports (Customer)

k. Display of Receivables/Period Receipt Report

The appearance of the accounts receivable/period receipt report is a report that contains the receipt of accounts receivable/period. The display form of the receivables/period receipt report can be seen in Figure 11



CV. YOGA SOLAFIDE FINANCE
LAPORAN PENERIMAAN PIUTANG

PERIODE : 01-Oct-2013 S/D 13-Nov-2013

NoPinjaman	NoKTPPeminjam	NAMA CUSTOMER	JAMINAN	TANGGAL PINJAM	TANGGAL BAYAR	JUMLAH PINJAMAN	LAMA ANGSURAN	ANG KE	ANGSURAN	SISA ANGSURAN	Denda
10006	7	Surya	BPKB Mobil	02-October-2013	13-Nov-2013	3,410,000	6 Bulan	1	568,333	2,841,667	62,517.00
10006				02-October-2013	13-Nov-2013	3,410,000	6 Bulan	2	568,333	2,273,333	0.00
10006				02-October-2013	13-Nov-2013	3,410,000	6 Bulan	3	568,333	1,705,000	0.00
10006				02-October-2013	13-Nov-2013	3,410,000	6 Bulan	4	568,333	1,136,667	0.00
10006				02-October-2013	13-Nov-2013	3,410,000	6 Bulan	5	568,333	568,333	0.00
10006				02-October-2013	13-Nov-2013	3,410,000	6 Bulan	6	568,333	0	0.00
10007	8	Seri	ybfgs	02-October-2013	13-Nov-2013	4,884,000	12 Bulan	1	407,000	4,477,000	44,770.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	10	407,000	814,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	11	407,000	407,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	12	407,000	0	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	2	407,000	4,070,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	3	407,000	3,663,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	4	407,000	3,256,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	5	407,000	2,849,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	6	407,000	2,442,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	7	407,000	2,035,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	8	407,000	1,628,000	0.00
10007				02-October-2013	13-Nov-2013	4,884,000	12 Bulan	9	407,000	1,221,000	0.00
10008	9	Milla	BPKB Sp. Motor	01-October-2013	13-Nov-2013	1,364,000	6 Bulan	1	227,333	1,136,667	27,280.00
10008				01-October-2013	13-Nov-2013	1,364,000	6 Bulan	2	227,333	909,333	0.00
10008				01-October-2013	13-Nov-2013	1,364,000	6 Bulan	3	227,333	682,000	0.00
10008				01-October-2013	13-Nov-2013	1,364,000	6 Bulan	4	227,333	454,667	0.00
10008				01-October-2013	13-Nov-2013	1,364,000	6 Bulan	5	227,333	227,333	0.00
10008				01-October-2013	13-Nov-2013	1,364,000	6 Bulan	6	227,333	0	0.00

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Figure 11. Display of Receivables/Period Receipt Report

3.2 Discussion

The results of the credit payment information system application on CV. Yoga Solafide Finance is to provide convenience to the administration section in presenting credit payment information each period.

In building credit payment information systems, the authors use the Microsoft Visual Basic programming language. NE 2010 and uses SQL Server 2008 R2 as the database. The commands in the program that the author made are also quite easy to understand because the user only needs to click on the available buttons as needed. To run the application that has been built requires supporting software and hardware.

4. CONCLUSION

After completing the design of a payment information system on credit using the Flat Rate Method on CV. Yoga Solafide Finance, the authors draw the following conclusions: This system generates customer reports, receivables/period reports and accounts receivable reports. Calculation of credit

payments on CV. Yoga Solafide Finance can be done quickly and generates an accurate credit report (customer receivables). With the new system, the administration section can report payment reports on credit (customer receivables) to management effectively and efficiently.

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