



Motorcycle Sales Accounting Information System Design at CV. Mother of Medan

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ABSTRACT

The development of sophisticated science and technology is now felt by users of a computer-based information technology. With today's technological sophistication, every company and public service agency is required so that all work can be completed in a computerized system. CV. Bunda Medan is a company engaged in the sale of motorcycles. Problem formulation in CV. Mother of Medan is that a computerized system has not been created in conducting sales transactions so that work is still not effective and efficient. To overcome the problems that exist in the CV. Mother Medan the author wishes to create a new information system. To create an information system the author uses the VB programming language. 2008 with MySQL Database. The purpose of making this system is to facilitate the transaction and sales data processing. The reports generated are also more accurate.

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1. INTRODUCTION

When facing the era of globalization, a workforce that is ready to use masters science and technology is needed. For this reason, we are always required to do more in technology and be open to changes that occur (Lanke, 2019), (Wardan, 2019). In the developments that have occurred, many have hit the business world, which is increasingly demanding a qualified workforce that can keep up with changes and developments (Mulyasa, 2022).

The development of computer technology is currently very fast, we can see the impact of how complex the problems in office life are (Wahab, 2021), education and the industrial world can be completed easily thanks to the help of technological devices used by these agencies (Kholifah et al., 2021). CV. Bunda Medan is a private company engaged in selling motorbikes, especially for the Medan area. There is also in the processing of sales data used by CV. Mother of Medan still uses Microsoft Excel, in this case it will certainly make it difficult for company management in terms of controlling motorcycle sales data in the CV. Madam, because if needed, the administration section has to find one by one data about sales data and this takes a long time and is inefficient (Simarmata et al., 2021). In addition, the possibility of fraud and irregularities in terms of motorcycle sales is also quite large because the system used is inadequate in regulating the processing of motorcycle sales data in the CV. Mother of Medan (Adhari et al., 2020).

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 to the study location (Son & Novel, 2020). The data collection techniques carried out by the author are: Is one method of data collection that is quite effective for studying a system (BP Sari & Hadijah, 2017). Its activities are by making direct observations of ongoing activities, namely motorcycle sales accounting at CV. Mother of Medan. Samples, taking samples of the data needed, especially motorcycle sales accounting data. Examples include motorcycle sales, account list reports, motorcycle data reports, customer data reports, price data reports, leasing data reports, sales reports, motorcycle sales transaction journal reports.

Interview (Interview). Collecting data or information on this method can be done by interviewing or asking questions directly to Mrs. Hartati who is in charge of the administration section at CV. Mother of Medan. The data obtained is in the form of document data, namely: motorcycle sales accounting reports.

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 on information systems and Visual Studio 2008 applications. Net, MYSQL, Sales (M. Sari & Asmendri, 2020).

c. Design Procedure

Is the procedures and steps needed to achieve the design objectives carried out. The steps are: Analyzing the problems that exist in the process of selling motorbikes to CV. Mother of Medan. Create applications with Visual Studio 2008.Net programming language. The database used in data storage media is using MySQL (Uliatunida, 2020).

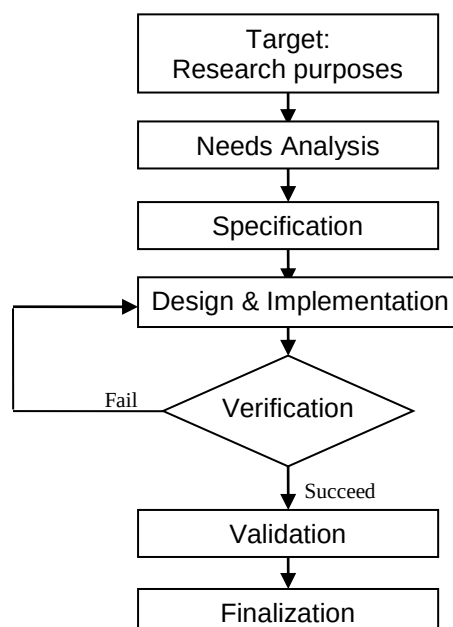


Figure 1.Design Procedure

In the picture above the system design procedure can be described into several stages, namely Research Objectives, Analysis (Analysis), Specifications, Design (Design) and Implementation (Implementation), Verification and Validation stages.

2.2 Research sites

The research location for writing this thesis was carried out at CV. Medan Mother Jl. Brigadier General Katamso No. 332 A Medan.

3. RESULTS AND DISCUSSIONS

3.1 Results Display

The following describes the display of the results of designing a motorcycle sales accounting information system on CV. Mother of Medan who was built.

a. Login form display.

The display of the login form is a form for entering an ID and password so that the program can be opened as shown in Figure IV.1. following:



Figure 2. Login Form display

b. Main Menu Form.

This form functions to display input data, report menus and exit menus as shown in Figure 3 below:

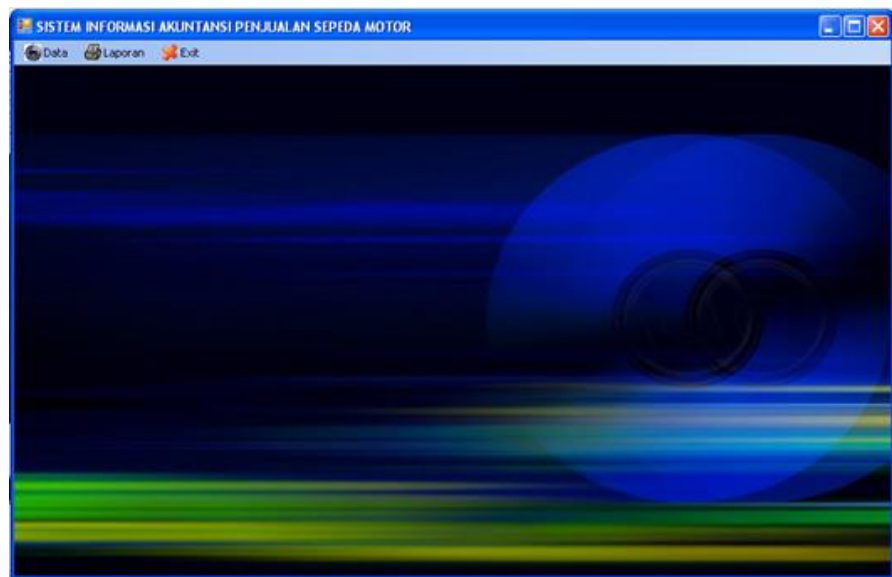


Figure 3. Display of Main Menu Form

c. Display of Customer Data Input Form

This form functions to display a form for entering customer data which will find out customer data through the fields that have been arranged as shown in Figure 4. Following:

ID Pemasok	Nama Pemasok	Alamat	Telepon	NPWP
FMSK-0001	PT Yamaha	Jl. H. Adam Malik No. 037 Medan	08900874321	-

Figure 4. Display of Customer Data Input Form

d. Display of Sales Data Input Form

This form functions to display a form for inputting sales data which will find out sales data through the fields that have been arranged as shown in Figure 5. Following:

No Penjualan	Tanggal	ID Customer	Kode Jenis	No Rag SP	ID Leasing
2019-0001	22/10/2019	CUST-00002	SPDM-00001	201-309-0001	1000000
2019-0002	22/10/2019	CUST-00003	SPDM-00002	201-309-0002	1000000
2019-0003	22/10/2019	CUST-00002	SPDM-00002	201-309-0002	1000000

Figure 5. Display of Sales Data Input Form

e. Display of the Report on the Selling Price of Motorcycles

The display of the motorcycle selling price report serves to display the motorcycle selling price report. The display of the account list report can be seen in Figure 6 below:

Kode Jenis	Merk	Harga Jual
SPDM-00001	jupiter mx	15000000
SPDM-00002	mx	10000000
SPDM-00003	mx	10000000
SPDM-00004	mx 2	15000000

Diketahui oleh, Pimpinan

Medan, 25/10/2013
Dicetak oleh, Administrasi

Figure 6. View of the Motorcycle Price Report

After the report category is entered, a general journal report will appear based on the input criteria

Tanggal	KodeAkun	Keterangan	NoBukti	Debet	Kredit
22/10/2013	1.1.1	Penjualan Sepeda Motor	201310-0003	1.000.000,00	0,00
22/10/2013	1.1.2	Penerimaan Pelunasan	201310-0002	8.000.000,00	0,00
24/10/2013	1.1.2	Penerimaan Pelunasan	201310-0003	1.254.440,00	0,00
24/10/2013	1.1.2	Penerimaan Pelunasan	NOK-000005	0,00	2.343,00
24/10/2013	2.1.1	Pembayaran Rek Listrik	NOK-000006	0,00	112.220,00
24/10/2013	2.1.2	Pembayaran Rek Air	NOK-000003	0,00	123.334,00
24/10/2013	2.1.2	Pembayaran Rek Air	NOK-000004	0,00	12.433.232,00

(2.416.689)

Medan, 25/10/2013
Dicetak oleh, Administrasi

Figure 7. Display of the General Journal Report

3.2 Discussion

Login Form, This login form is useful for protecting data, because the security of the system that is formed later must bring security from user data or users who are not supposed to access data. so that users who do not know the password or keywords cannot freely access the data.

The main menu form, the main form is the second entry gate into the program where in this form menu options are provided that will display the form, namely reports. On the main form, there are menu options, namely input, report and exit.

Data Input Menu Form, this form functions to enter data according to the available input menu options.

Report Menu Form, this form functions to display data reports according to the available report menu options. **Exit Menu Form,** this form functions to exit the program system

4. CONCLUSION

With the application of the design of motorcycle sales accounting information systems on CV. Mother of Medan, the authors can draw several conclusions, namely: This application can be used to speed up the process of data collection and analysis of suppliers in terms of motorcycle sales. This application has displays that are user friendly so that users can use this application easily. The

development of this application was built and designed in such a way using the Microsoft Visual Studio 2008 programming language and using the SQL Server 2008 database.

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