FINANCIAL MANAGEMENT SYSTEM OF PUJASELERA MULTISTAND RESTAURANT

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By:

Sofyan Rinandi Fadillah

Umi Fadlilah, S.T., M.Eng

Endah Sudarmilah, S.T., M.Eng

DEPARTMENT OF INFORMATICS

FACULTY OF COMMUNICATIONS AND INFORMATICS

UNIVERSITAS MUHAMMADIYAH SURAKARTA

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Prepared and compiled by:

Sofyan Rinandi Fadillah

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<table>
<tr><td>Advisor I</td><td>Advisor II</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Umi Fadlilah, S.T. M.Eng.
NIP: 197803222005012002</td><td>Endah Sudarmilah, S.T. M.Eng.
NIK: 969</td></tr>
</table>

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Date : ....

Head of Department of Informatics

Dr. Heru Supriyono, M.Sc.
NIK : 970

FINANCIAL MANAGEMENT SYSTEM
OF PUJASELERA MULTISTAND RESTAURANT

Sofyan Rinandi Fadillah, Umi Fadlilah, Endah Sudarmilah

Department Of Informatics, Faculty Of Communications And Informatics

Universitas Muhammadiyah Surakarta

Email : rinandi.sofyan@gmail.com

ABSTRACT

Pujaselera is a kind of restaurant which is located in front of Muhammadiyah University of Surakarta. It is a kind of restaurant which is based on multi stand system. This restaurant contains some stands which sell some different foods. In maintaining the restaurant, the manager of Pujaselera Resrtaurant still uses paper-based system. One of the main problems of this system occurs at chashier and calculate the income which will be devided. If it uses paper-based, so that it will take long time. Finance system is intended to facilitate and to solve in increasing the serving to the customer and the seller. It is also intended to make the report of Pujaselera restaurant becoming more clearly. The program of finance system is done by using application *Lazarus* and data base that is used *MySql.*while *Fortes Report* is used to make a report. In this research, it has been built a system of finance management in Pujaselera restaurant which makes the process of entering the sale data by using desktop application becoming more accurately .

Key Words : Fortes Report, Lazarus, MySql

INTRODUCTION

Recently, food business has become popular business and had increased rate in business sector. It has made rapid competition among them. Pujaselera restaurant is one of restaurant which is located in front of Muhammadiyah University of Surakarta. There are many stands which provide some kinds of food. The manager of Pujaselera restaurant said that to do his business, he still uses paper-based system. One of the weaknesses when doing such a system is the calculation of money which is done manually and the end

process of calculation to know the income. If we use paper- based, it will spend much time. Therefore, it can give disadvantage in many cases. Paper- based system will make difficult the worker when giving service toward their customers or guests.

Based on the problem, the manager of Pujaselera restaurant needs special software which is able to help in doing restaurant management and giving better service to their customers. On the other hand, the software can be applied around the restaurant.

Based on the problems, the writer wants to do a research entitled "FINANCIAL MANAGEMENT SYSTEM OF PUJASELERA MULTISTAND RESTAURANT"

PREVIOUS STUDY

(2010) Krisnoadhy Darukusumo, Bonar. *Aplikasi Perangkat Lunak Manajemen restoran Pada Rumah Makan 88 Purokerto*. The rivalry of food bussiness becomes higher in Purworejo city. 88 Purworejo Restaurant is one of the branches which still operates. Previously, 88 Purworejo Restaurant still uses manual systems and records of the order of the visitor by using paper note. Those systems make difficulty for the employee in serving the visitor of the restaurant, especially in a busy time. Because of the manager of the restaurant lives far away from the restaurant, it makes the manager getting difficulty in collecting information's of the restaurant. It makes the employee of the restaurant to cheat in giving finance report. In addition, the manager of the 88 Restaurant mostly ignores the data which have been stored. It is caused by the difficulty in searching much stack of data which is stored in papers form. The application of restaurant management software which is called SMART, developed with *Visual Basic 2008* and *SQL Server 2008*. SMART can help in doing restaurant management and serving the restaurant's visitor better. SMART can be operated in the location of the restaurant

and in the location of the manager. it means that the manager does not need to stay in the restaurant for all the time. Another benefit is that SMART uses the *data warehouse*. It changes the data in a big number from the daily restaurant operational becoming information that is needed by the manager of the restaurant.

(2011) Dumadi, Waspodo. *Sistem Informasi Pengelolaan Data Penduduk Berbasis Dekstop di Desa Petir Kecamatan Rongkop*. The management of the inhabitant data in government institute is very important. The number of Petir village is 4000 people. Nowadays, the data management of the inhabitant still use manual system. For solving the problem, it needs a system to plan inhabitant information management system which is based on desktop in Petir village, sub district Rongkop. The system is constructed by using development method system SDLC (System Development Life Cycle). SDLC uses the analysis of system of needs, the making of system, and the application of

maintenance system. The system is made up by Lazarus and database organization by using MySQL. Management of information system about inhabitant based on Desktop in Petir village sub district Rongkop is arranged to help the employee of the department in serving the public. The facilities which is served by the system are basic inhabitant management, search of inhabitant data, the search of family data, and the making of information letter for the people who need.

RESEARCH METHODOLOGY

a. Sequence Of Research

The research was done by several steps or process. It was done to produce the better system and could achieve the purpose of the system that was made. The research process was begun from analyzing the needs until making the research report.

1. Start : begun to make the application of Financial

Management System of Pujaselera Multistand Restaurant.

2. Analyzing the needs: determined and found the tools that would be used to make the application of Finance Management System of Pujaselera multistand restaurant which was hardware and software.

3. Collecting data and determining the needs : found the supporting references which was finance management system and found the solution of the problem.

4. Checking the completeness of the data and needs : checked the data of the process of multistand restaurant business and kinds of menu which had been collected while found the data. when the requirements was complete as the determined requirements, so it would be continued to the next steps, but when there was a miss-one, it would be back to the process of collecting data and needs.

5. Designing and making the system : designed the system based on the data that had been collected in the previous steps and began to make the Financial Management System of Pujaselera Multistand Restaurant based on the design that had been made.

6. Testing System : experiment to operate the finance management system of multistand restaurant that had been made. When the application was success to be operated, it would be continued to the next process, but if it was failed, it might be rechecked and repaired. When there was no problem, it would be continued to the next steps.

7. System Implementation : when the program was success to be made and operated, the next step program would be implemented in

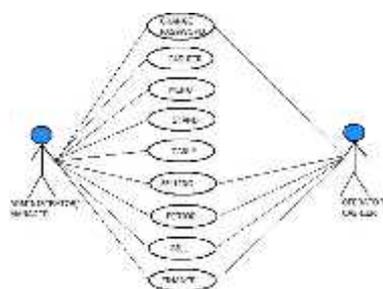Pujaselera multistand restaurant to solve the problem.

8. Making the report : in the report step, the writer wrote the report of the result of the experiment in Pujaselera that had been made.

9. Finish : the experiment was finish.

b. Designing and Making System

Before making the data and implementation Financial Management System of Pujaselera Multistand Restaurant, so in advance it was needed to design the system. After finishing the designing step, the next step was making the system. Making finance management system was done when the material and data had been collected.

1. Use Case Diagram

Picture 1 Use Case Diagram

Use Case was a documentation that drew the system which was seen from the user's perspective. Use Case diagram functioned to explain the service that was given by the system to the user. Use Case finance management system had two users that were administrator user and operator user.

2. Actor Definition

User Administrator is user that had access right to do such as to insert, to update, to delete, and to print on the application form. User Operator is user that had limited access right on application form and only has right to manage and print the note / report.

3. Use Case Definition

Definition of the use case system that was made was as follow :

a. Cashier Form : in the cashier form there were some facilities such as Inserting, updating, deleting and printing the cashier's data.

b. Menu Form : Menu Form contained some facilities such as insert, update, delete, and print the menu data that was match with the food stand in Pujaselera restaurant.

c. Table Form, that was related to the data of table in Pujaselera.

d. Stand Form In the Stand Form, it was used to insert, update, delete, and print the data of stand and its owner.

e. Selling Form

It was form that was used to make an order and print the note of customer's order.

f. Financial Form

It was used to print the claim report of income of every stand. It was used to print the claim report of income of every stand.

g. Period Form

It was used to print the report per period in Pujaselera restaurant.

h. Billing Form

In Billing form, there was printing facilities per bill of transaction.

RESULT AND DISCUSSION

a. Analysis and Discussion

System of financial management in Pujaselera restaurant is devided into two main facilities, namely administrator menu *(menu administrator)* and operator menu *(menu operator)*. Administrator menu is hold by the manager of the Pujaselera restaurant and operator menu is hold by the cashier of Pujaselera restaurant.

1. Beginning Form

The beginning form is a display of the system which appears when the system of financial management is operated. This beginning form can be seen in Picture 2.

Picture 2 Beginning form

2. Login Form

   It is a menu which appears when the Login Menu is chosen. Login Menu is used to give constraint access in every user who will uses system of financial management. The right of user access in this system consists of two types, namely user administrator and user operator. The display of the login menu can be seen in Pictures 3.

Picture 3 Login Form

3. Main Form

   In the main form, the administrator has full of right to access the system. All menu which are available in the main page can be access by the administrator. Picture 4.4 is the main form of administrator.

Picture 4 Main Form of the Administrator

Main form of the operator user only can access some menu which is located in the main form. It is related to the right of access from each user.

Picture 5 Main Form of Operator

4. Sale transactional form

   Sale transaction is form which is used for ordering in Pujaselera restaurant. It consists of menu data, transactional data, total price, and list of order. The menu data is put in

the top right and transactional data is put in the top left. When the costumers choose menu list, it will be listed in transactional data that is put in the middle of form. After inputting the data, the next step is getting the total of purchase and saving the purchase data. The picture 6 is sale transactional form in Pujaselera restaurant.

Pictures 6 Sale transactional form

5. Stand Financial Report form

Financial report is used in the end of sale where the whole incomes of the stands will be divided based on the sale each day. Every stands have their own sale report. The function of stand financial report form is to know the report by inputting the date that they mean. Afterward, we need to click print bottom in the bottom side.
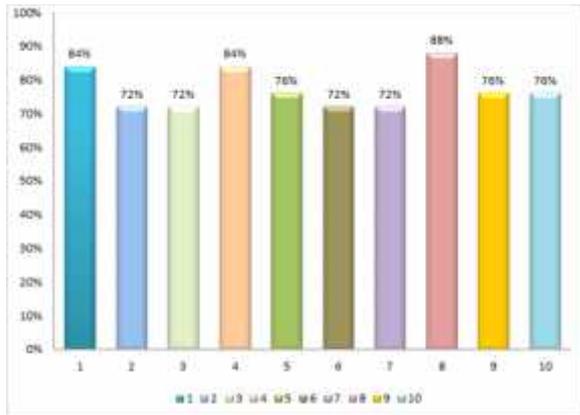

Picture 7 Stand Financial

Report Form

b. **System Testing**

Testing of the system to the manager, cashier and employees using questionnaires. Questionnaire to test the system consists of a statement which was considered by the manager and the employee. Filling the questionnaire conducted after the manager of the financial management system. At this stage then gives an answer of statements about the design of the display system, ease of system suitability to the needs menu system and much more.

Picture 8 Quetionaire Graphic

CONCLUSION

Based on design, development, implementation and research of Financial Management System of Pujaselera Multistand Restaurant taht has been done, and the conclusion is:

1. This system has good design and its proved in Chapter IV on result of the research which states 84% of respondent agreed if this application have a good design.

2. This application are easy to understood and easy to access. Its proved by the result of the access speed is 76%.

3. Print report of the system are help the manager to create a report. Respondent agree that they can make a report and the data is in good structured, this is strengthen by the result of research that 88% respondent agreed with this statement.

Based on conclusion, it conclude that the purpose of the system that manage the financial and make detail report that can't do by Pujaselera manager or the cashier. So the cashier can devide the report like he want.

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