LEND SAVE INFORMATION SYSTEM AT EMPLOYEE'S COOPERATIVE OF PLANNING AND DEVELOPING CENTER PERUMKA "DINAMIKO" KERETA API INDONESIA (PERSERO) BANDUNG Co. Ltd

FIRMAN KEMAL P

Universitas Komputer Indonesia (UNIKOM)
Jl. Dipati Ukur No. 112 – 116 Bandung 40132
firman.kemal.p@gmail.com

ABSTRACT

Lend save information system at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (PERSERO) Bandung Co. Ltd is an application that was used to manage and save lend save data. Un optimal processing of land save data cause how difficult to looking for information about lend save data and member data also about making of land save data report that has not enough yet. That is why needed an application that can support and solve that problem.

Based on that problem, writer means to organize the final task whit a title "lend save information system at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" KERETA API INDONESIA (PERSERO) BANDUNG Co. Ltd. Method of data compile are by observation, interview, a books contemplation, whereas level of system development uses waterfall system.

Writer hopes this application could help DINAMIKO cooperative in lend save data managing process help administrator and cooperative officer to entry and lend save data managing, and also help in making of loan data report, payment data report and member data report so that able to increase cooperative power.

Key word : *system, information, information system, lend save, cooperative*

1. Introduction

1.1 Problem Identification

Based on analysis and interview on the side of company then the problems that was on employee's cooperative of planning and developing center of Kereta Api (PERSERO) Bandung Co. Ltd are how to make the processing information system of lend save data at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (PERSERO) Bandung Co. Ltd

1.2 Bibliography Contemplation

1.2.1 Cooperative History

Employees Cooperative Planning and Development Center PERUMKA "DINAMIKO" formed by the power of cooperative formation meeting on January 31, 1997 and the opening on September 24, 1997 based on ministerial decisions and guidance of cooperative small businessmen do not exist. 506/KEP/KWK-10/IX/1997. Cooperative planning and employee development center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd is a form of business entity that the people's economic organization and social character as a joint effort based on principles of kinship, cooperative works to build and develop the economic potential and the ability to improve the welfare of its members and the social and economic role actively in the efforts to enhance the quality of life of its members, is also trying to realize and develop the national economy which is a joint effort based on the principle of kinship.

1.2.2 Place and Location of Cooperative

Employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (PERSERO) Bandung Co. Ltd is at Perintis Kemerdekaan Street No. 1 Babakan Ciamis Village, Sumur Bandung District, West Java Province.

1.3 Mean And Purpose Of Research

Based on problems that was found, that mean of the making of this final task is to make the processing information system of lend save data as employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd

Purposes that want to be reached for making the processing information system of lend save data at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd are :

1. Help cooperative officer in processing of making of lend save data
2. Help cooperative officer in searching proses and checking cooperative member
3. Help cooperative officer in process of data report that take in process that happen at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd

2. Model, Analysis, Design And Implementation

2.1 Model of Research

Model of software process is an abstract representation of software process, each model process present a processing from point of view definitely so that only give the partial information about that process. Models of software process

Waterfall model is an software paradigm which longest to used and oldest. Waterfall model processing an approximation to developing systematic software and sequential that begin on level and progression of the system in whole analysis, design, coding, testing, and maintenance. After each step is defined, that step "ended" (sign off) and developing will continuo to the next step.

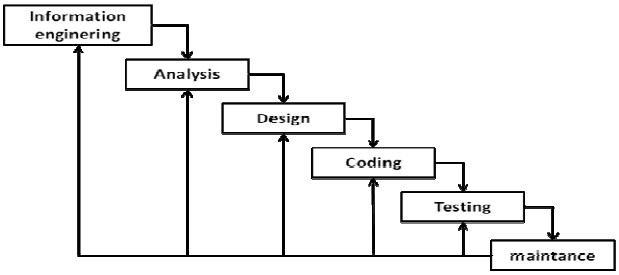


Figure 2.1.1 Waterfall Method

2.2 System Analysis

Analyzed system is a system which is going at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Which is this analysis can be defined as decomposition from one entire system to part of its component, mean to make light of identification and evaluate all problems, opportunities, obstacle and need to be hope, so that can be suggested the improvement. On the level of analysis system it must be done. With punctuality in order to be known detail that is in the system is being to be now. The things that will be analyzed overload :

1. Exist problem
   Based on result of research that is being done by writter, cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Need an information system that could help in managing lend save and payment.
2. Involved procedure
   The procedure is an order of step that happened on. Done in an system the involved procedure in the lend save information system at cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Right now are :

a) Procedure of member registration

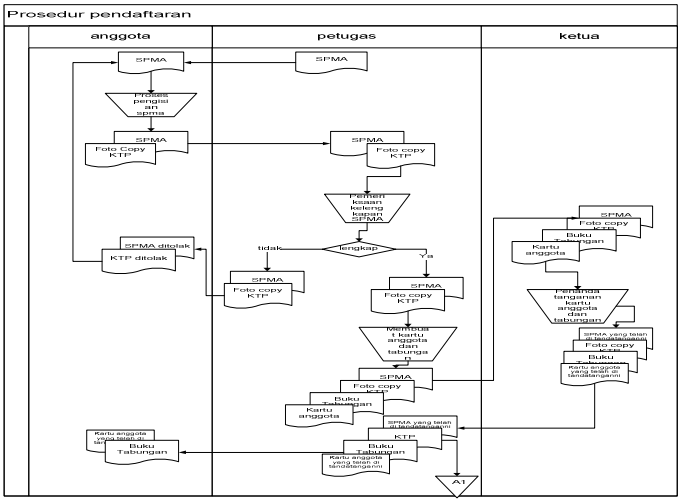


Figure 2.2.1 flowmap of member registration procedure

b) Procedure of loan

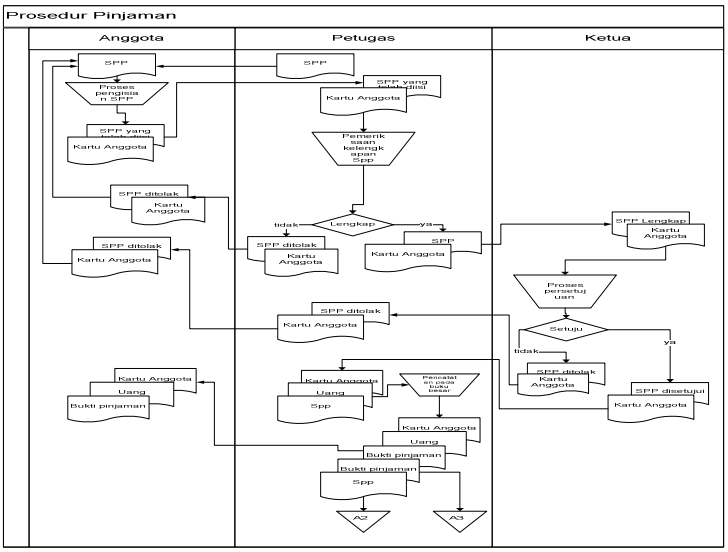


Figure 2.2.2 Procedure of loan

c) Procedure of payment

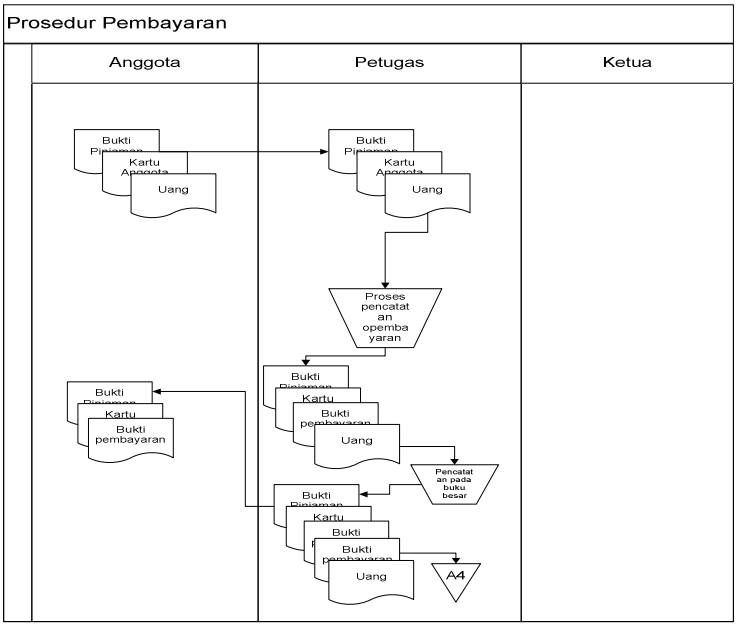
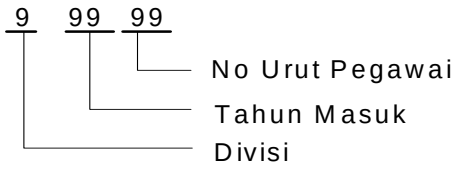


Figure 2.2.3 Flowmap of payment procedure

3. Using Code at Present

Coding is used to classify the data, entering data to file and to knowing the information that is needed, so that can be more effective and efficient in data processing code which is used at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Right now is employee's code or mentioned NIP with from :



Code pattern that in used : 39182 it means 3 has mean hardware and network development division, and then 91 has mean entry's year of employee 1991 and 82 has mean employee's number 82nd.

4. Functional needs

Analyzed process of functional needs to system that will be built produce database outline/ program which is described over complement entity relationship diagram (ERD) or mentioned ER. Component of diagram shaping ER is Entity and relation. Entities that is in ER diagram from the lend save information system at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Are member, officer, loan, payment can be seen at picture 2.2.4

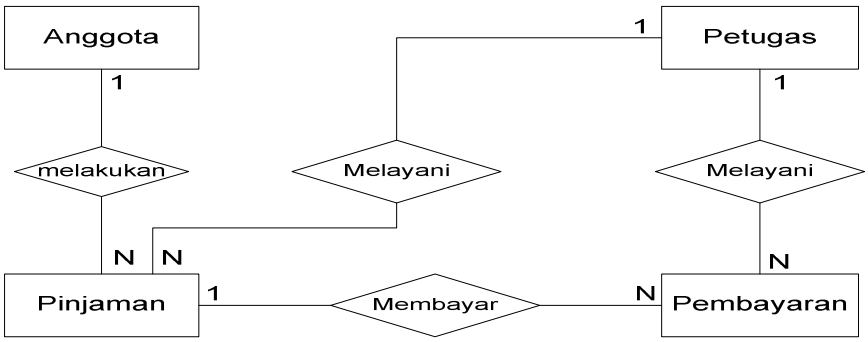


Figure 2.2.4 ***Entity Relationship Diagram***

5. Non Functional Needs

Non functional needs analysis is an analysis that was needed to decide the specification of system need this specification is also enclose the elements and component that was needed to the system that will be built, till that system is implemented. This need analysis is also to decide the input specification that was needed by system and the process that was needed to produce input, so that give an output which is wanted. Non functional need. Devided become, several analysis that are :

1. Hardware analysis
2. Software analysis
3. User analysis

2.3 Design

Outlines Diagram

Outlines Diagram is a toll for analisys structure this structure approximation to discribe outline system encloseentirely. On the outline diagram that will be made is produce the information reseacrh which is needed and purpose that will be succeed. The entity that used on outline diagram of lend save information system at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Are officer and administrator. The outline diagram of the system that will be made can be seen at picture bellow :

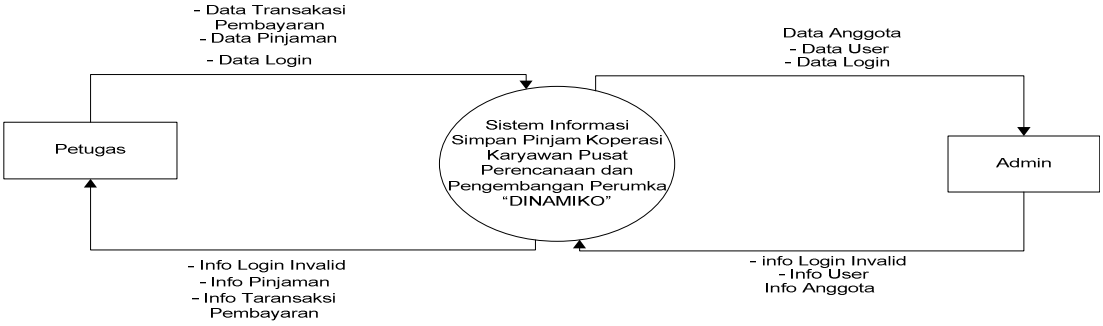


Figure 2.3.1 Diagram Konteks Sistem Informasi Simpan pinjam

Data Flow Diagram (DFD)

Data Flow Diagram is an model of system to describe system distribution to smaller model structurely parallel whit to take part in components and entities storage system process also entire symbol how the connection of data current from the processing to entry. One of the

advantage of using DFD is to make easy the user to understand the system which is being built.

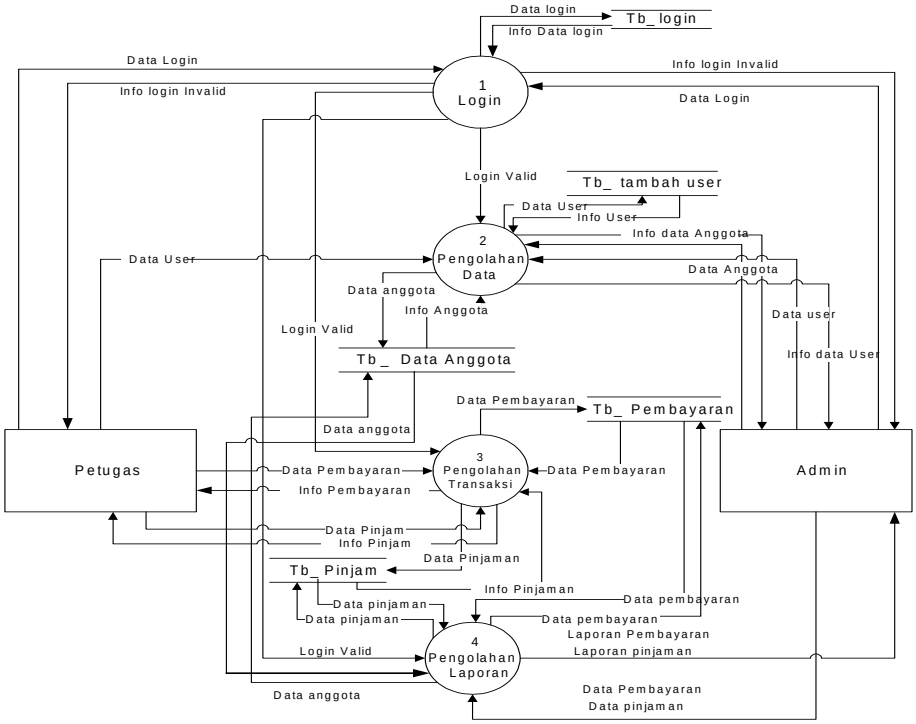


Figure 2.3.2 DFD Level 0 of Lend Save process

2.4 Implementation

Implementation of the system is an application of whole program that had been built before with the program application that had been decided. System implementation has a purpose to confirm modules of program device to all system user so that user could give input to the system development.

2.4.1 Hardware preparation

Computer minimum spesification which is needed so that can doing the application that will be built are :

1. Processor : Intel Pentium IV
2. Memory : DDR 256 MB
3. VGA card : G- Force IV 64 MB
4. Hard Disk : Seagate 40 GB
5. Motherboard : ASUS

Hard ware that available at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Above has fulfill the needed and can be used as complement to information system development that will be built.

4.1.2 Software preparation

software that will be used to implement the system that had been built just now consist of two kind are the operation of the software system and supporting software minimum software that is needed are :

1. Windows XP
2. Microsoft Office 2003
3. Visual Basic 6.0

4.1.3 Interface Implementation

These are several display model of lend save information system at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. :

1. Display of Login Interface



Figure 4.1.1 login interface

2. Display of main feature of administrator

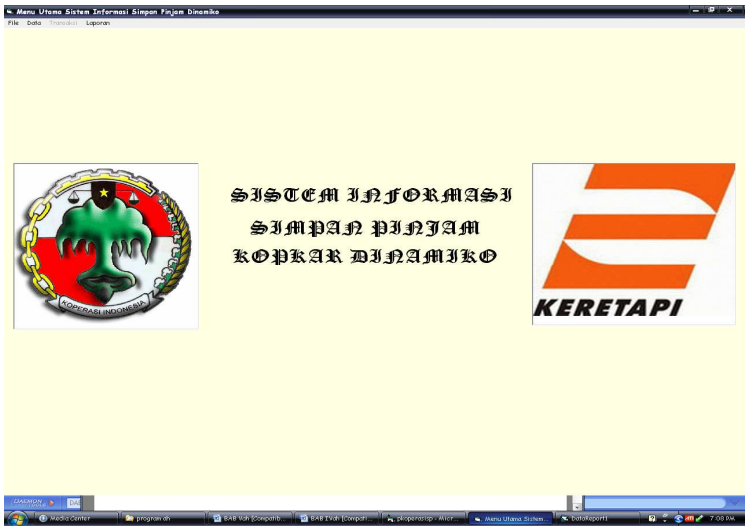


Figure 4.1.2 Interface of main feature of administrator

3. Display of Main Feature of Officer

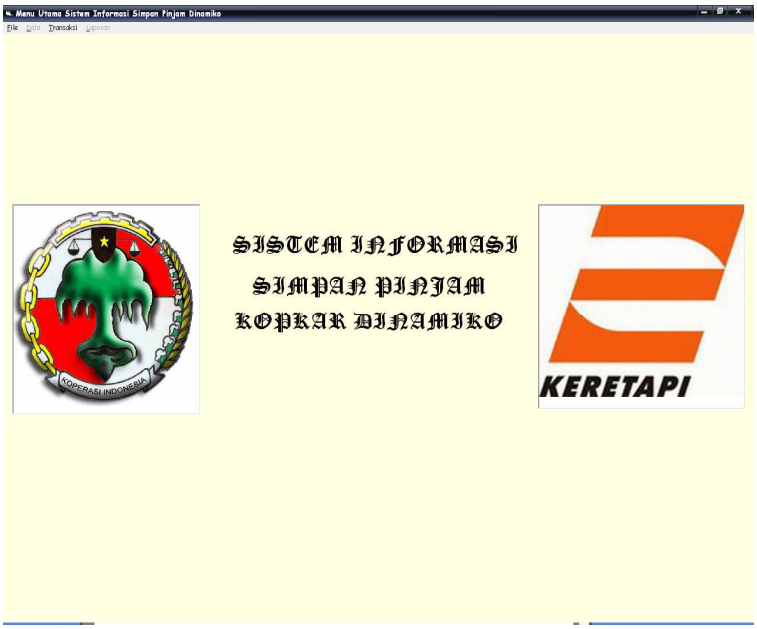


Figure 4.1.3 Interface of main feature of officer

4. Display of User Adding

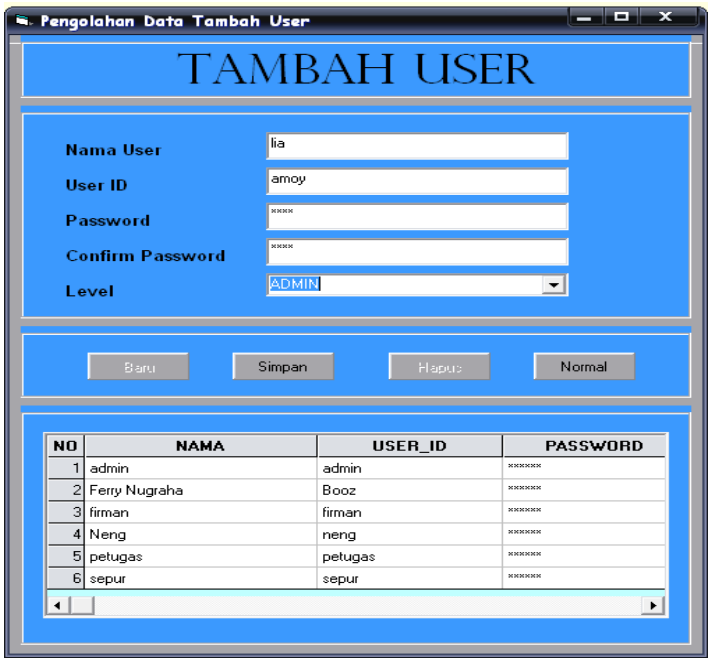


Figure 4.1.4 Interface of User Adding

5. Display of Data Member

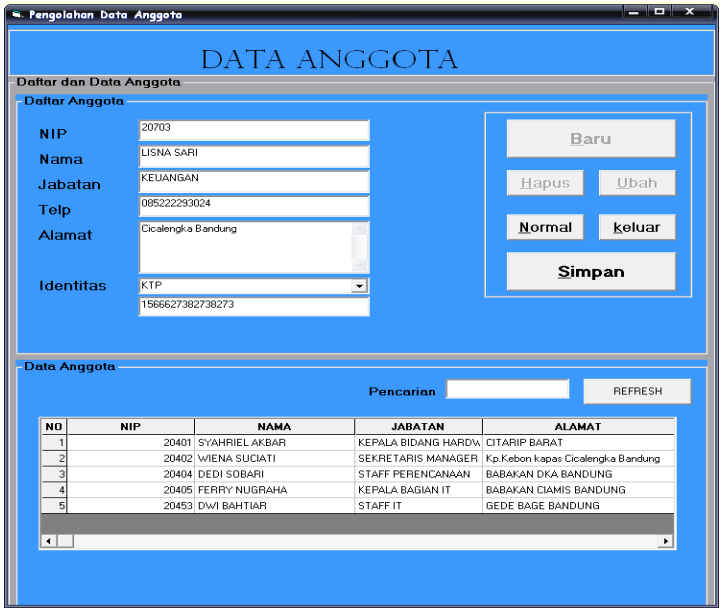


Figure 4.1.5 Interface of Data Member

6. Display of Loan Data

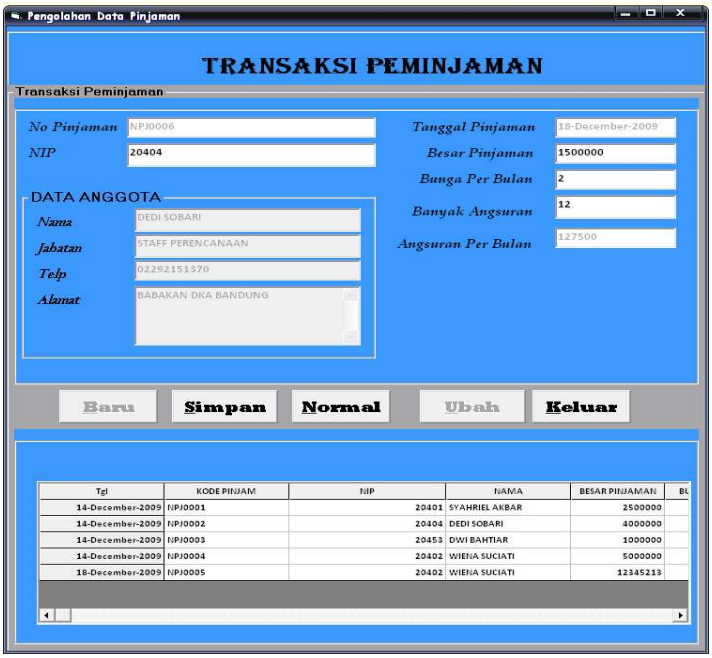


Figure 4.1.6 Interface of Loan Data

7. Display of Payment Transaction

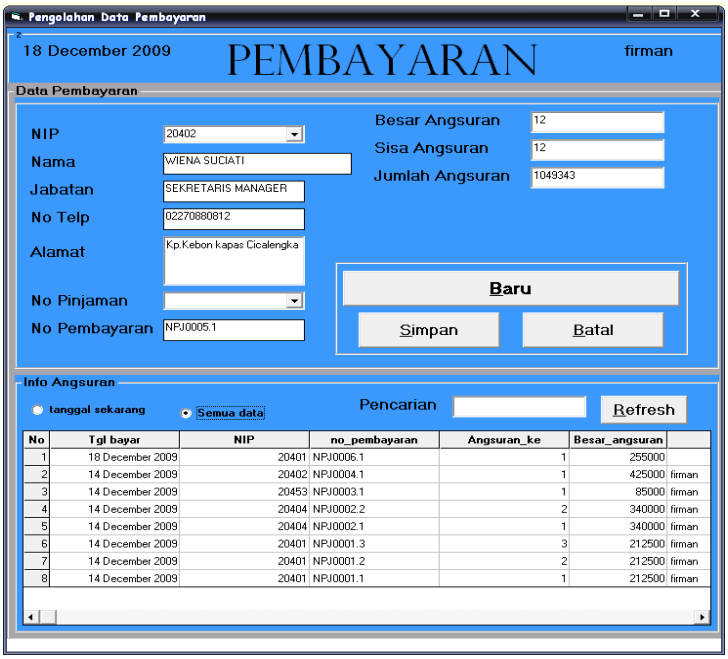


Figure 4.1.7 Interface of Payment Transaction

8. Display of Loan Report

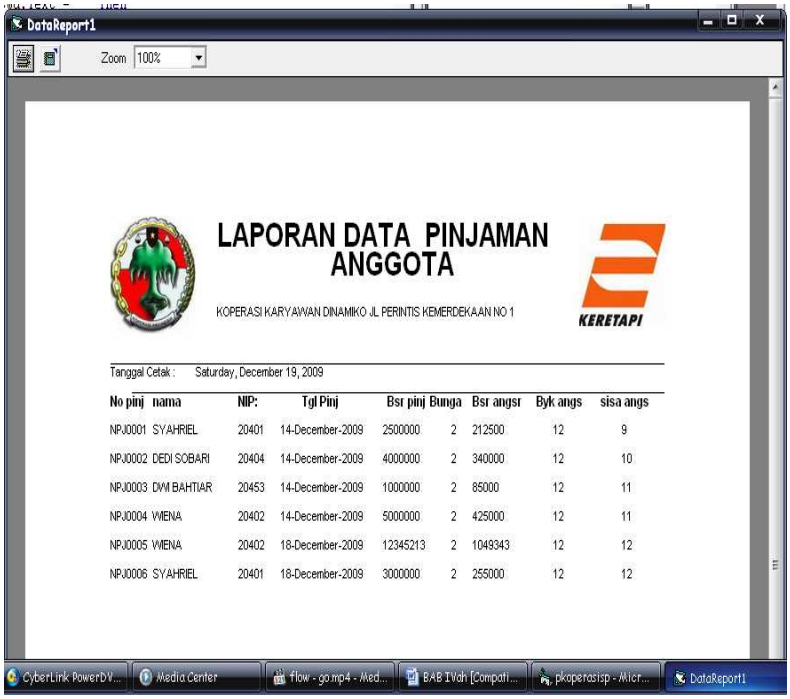


Figure 4.1.8 Inter face of Loan Report

9. Display of Payment Report



Figure 4.1.9 Interface of Payment Report

10. Display of Data Member Report

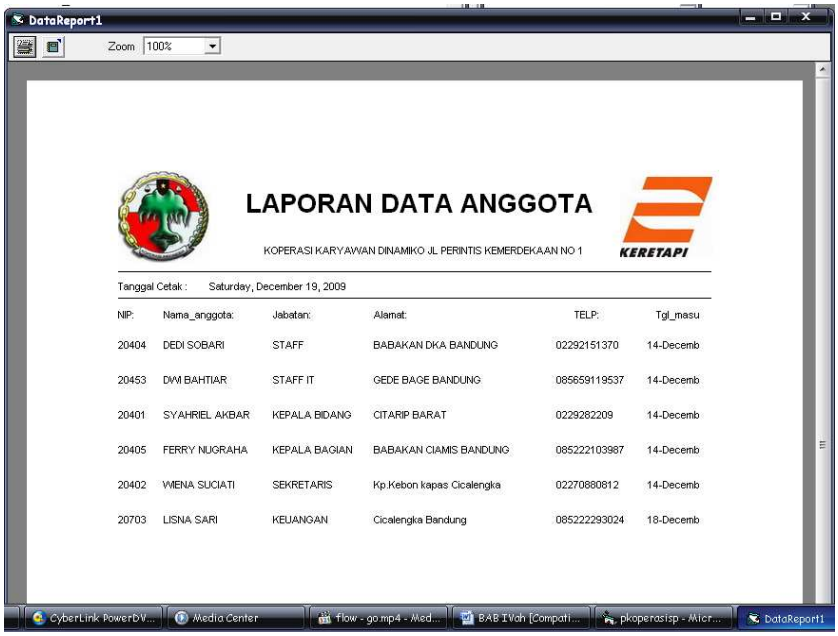


Figure 4.1.10 Interface of Data Member Report

3 Result and Discuss

3.1 Problem Discuss

From the interview that was done at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Got view of problems among other things :

1. There's not lend save information system that make easy for the user yet.
2. Difficulty in searching process and checking member.
3. Dificulty inreporting data process with the process happened at employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd.

3.2 Discuss Result

a. Make an information system that can help to make easy cooperative in lend save and payment problem.
b. Make an information system that can make easy in searching member data.
c. Make an information system that can make easy in making of member data report, storage data, and loan data.

4 Conclusions and Suggestions

4.1 Conclusions

Conclusion that is taken by writer are :

1. Application program created to help overcome the problems associated with processing savings and loans
2. Application program that is made can help to make easy in making of report and searching for member data.
3. This lend save information system can help the cooperative to do its lend save activity.

4.2 Suggestions

Accuration of data result can be increased or done by doing changing for it's managing data system for that writer suggested in order to employee's cooperative of planning and developing center PERUMKA "DINAMIKO" Kereta Api Indonesia (Persero) Bandung Co. Ltd. Prepare human resource that can support to the system power that had been built.

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