KEEPING ARCHIEVE SYTEM INFORMATION IN OFFICIAL STATE INSTITUTION AND RETIRED METHOD BE BASE ON NUMBER OF EMPLOYEE (NIP) (A CASE STUDY IN REGIONAL OFFICE III BKN BANDUNG)

Sahat Sitorus

Department of Informatics, Faculty of Engineering and Computer Science,

University Computer Indonesia.

Jln. Dipati Ukur No.112 Bandung 40132

bandungdewata@yahoo.com

ABSTRACT

Official State Institution (BKN) is one institution with function to accomplish, maintain and develop state administration in officialdom area so that continuity of government may be reached. Officialdom data managed includes main employee data, employee history data, and employee mutation data. However, in fact this instance has not had one integrated system accurately for keeping archives data. Recently, the officialdom data management is still manual, though it has been implemented in excel and access forms.

This system information use filing method be base on number of employee (NIP), involves descriptive research method with case study research in instance, where data collection technique used includes observation, interview, and literature study. Data analysis technique involves waterfall method while structural analysis involves structured analysis, namely URD (Entity Relationship Diagram) to describe data model and DFD (Data Flow Diagram) in describing functional model. Data processed include letter of decree (SK) CPNS, SK rank promotion data, SK rank periodical salary, SK increasing husband/wife/child of civil state employee.

After through phases based on selected development method, system test consisting of alpha test was performed using black box test method focusing on functional software terms with conclusion of test result that syntax error may occur because process selection in the form of message display direction has not been still maximally presented, and beta test i.e. field test with conclusion of test result that system scores fairly good, learnable, easy to use, has interesting display and follows instance needs (BKN).

Key terms: Officialdom Application, System Keeping Archives and Retired Data

1. INTRODUCTION

1.1 Background Issues

BKN KANREG III (State Employment Agency) BANDUNG are working on the utilization of information technology in an optimal fashion so that the computer much more developed use, in this case intended to be used as data processing media files available on the institution or presentation of the archived data. The fact that there is now in the processing of employee data records are still done manually.

Based on the results of interviews with the agency manually, which at the time needed to check the archives are still closet one by one to find the folder that contains the file details. One also found the data were scattered from a file clerk and less structured, leading to delays in conducting the data changes periodically raises, promotions, addition of children and retired employees and data as well as to the preparation of reports on archived data.

Based on the problems described above, then the KANREG III BKN (State Employment Agency) BANDUNG intend to build a system that can process data files owned by the institution.

1.2 Problem formulation

In accordance with the background above problems, so in this study can be formulated problem will be discussed are: How to build information systems pengawai data archiving and data archiving methods pension based on the number KANREG III BKN (State Employment Agency) BANDUNG.

1.3 Purpose

The purpose of this research is to develop information systems personnel data archiving and data archiving methods pension based on the number of State Personnel Agency (BKN) Through Case Study On Regional Office (KANREG) III State Personnel Agency (BKN) Bandung.

1.4 Purpose

The goals of this system is as follows

1. Facilitate the search of the archives staff by typing NIP (Tax Up Employee) can directly megetahui where space, cupboards, shelves and file folder that contains the employee details are.
2. Optimize the performance of the State Personnel Agency employees (BKN) KANREG III Bandung as will the preparation of reports on the data archive staff.

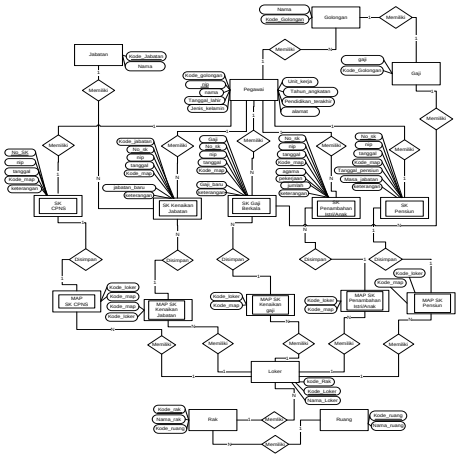
1.5 Limitation Problem / Scope study.

In order for the discussion can be done as directed and as expected, it is necessary to apply restrictions to the problems discussed in it, among others:

1. Operating systems that support the system that will be built this is Windows 2000/NT/XP.
2. The method of analysis used in the construction of this system is based on data flow tersrtuktur, where the device is used to describe the data model is Entity Relationship Diagram (ERD), whereas the functional model to describe the Context Diagram and Data Flow Diagram (DFD)..
3. Tools used is Borland Delphi 7 as an application in the design interface and SQL Server 2000 as a database.
4. This system can process data archiving and data employee retirement.
5. The output of this system of reporting the data file storing data and data workers retire.
6. Filing Method Based on the number, the number used is NIP (Tax Up Employees).
7. Archive search method based on the employee NIP (Tax Up Employee).
8. Users who will use this system is part of personnel KANREG III BKN Bandung.

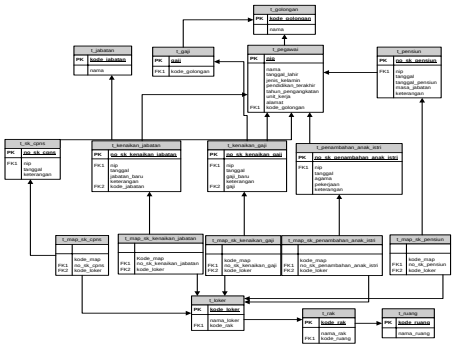
3. ANALYSIS AND DESIGN SYSTEM.

3.1. ***ERD (Entity Relationship Diagram*** **)**



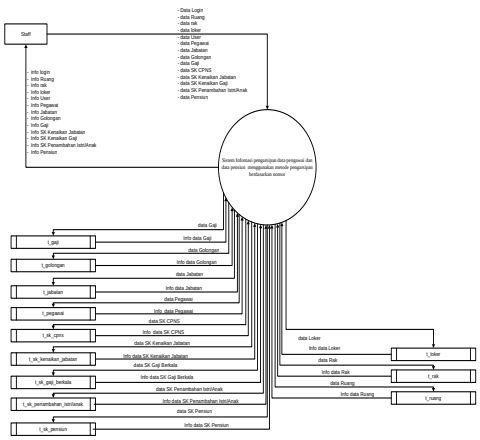
Gambar 3. 7*Entity Relationship Diagram (ERD)*

3.2. **Relasi Table**



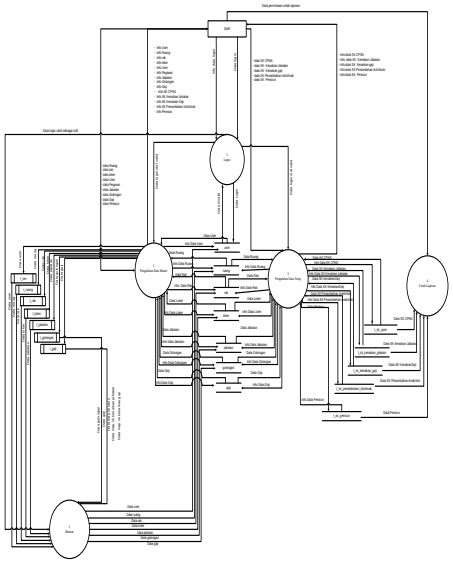
Gambar 3.64 Skema Relasi

3.3. Context Diagram Archiving



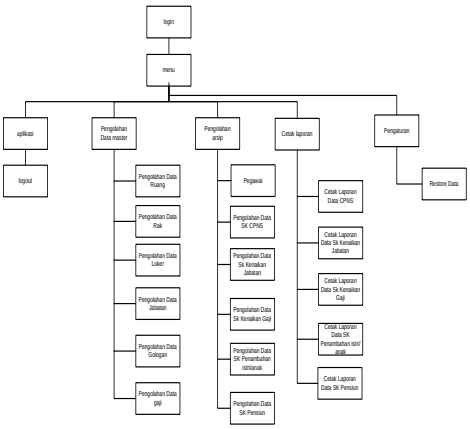
Gambar 3. 8 Context Diagram Archiving

3.4. ***DFD (Data Flow Diagram)***



Gambar 3.9 *DFD Level 1*

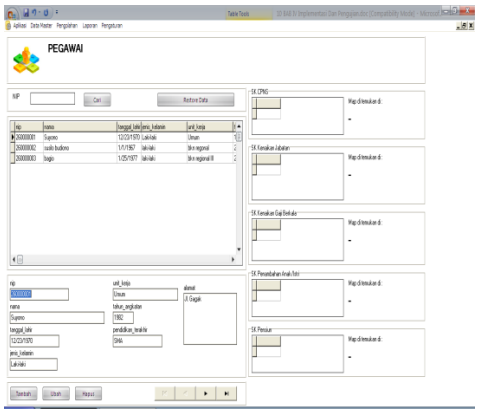
3.5. Struktur Menu



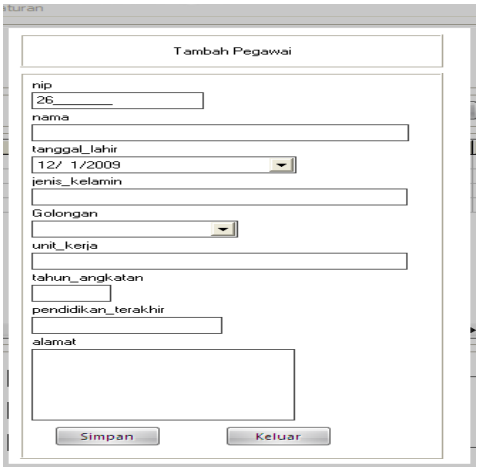
Gambar 3.65 Struktur Menu Program

4. IMPLEMENTATION AND TESTING SYSTEM

4.1. Display data processing personnel.



4.2. View additional employees.



4.3. Display processing sk cpns



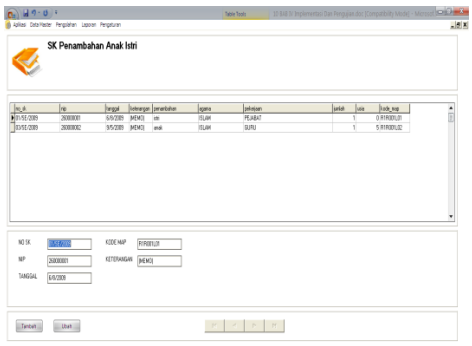
4.4. Display Processing keaikan office sk



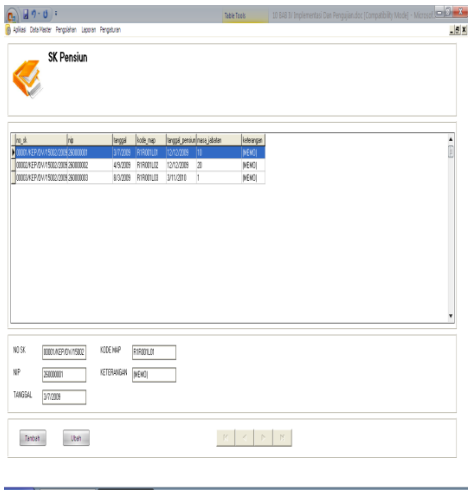
4.5. Display Processing raise



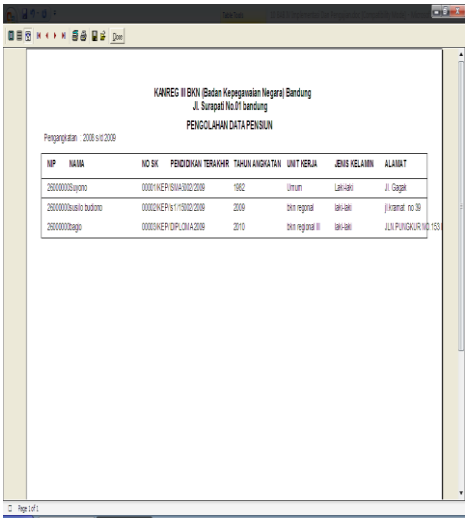
4.6. Display Processing additional child / wife



4.7. Display Processing Retirement



4.8. Display Processing Pension report



5. CONCLUSIONS AND RECOMMENDATIONS

5.1. Conclusion

Based on the results obtained in the research and drafting of this thesis and adapted to the goal, then obtained the following conclusions:

5.1.1 Archiving Information System that was built to display the report in the search for easy data archive and data archive staff retirement and terstuktur data and were organized in accordance with the expected.

5.1.2 Archiving Information System report data and data workers who retired employees so mengoptimal performance in the processing of reports and presentation archive may work well.

5.1.3 Problems that occur in data processing and data file employee pension records can be more efficient.

5.1.4 Through the analysis of the data processing and data archive file pengawai pensions was as expected by the user as fathers bagio who has served as part of employment (archive).

5.2. Advice

Information System software archive can still be developed in line with the development of system specification user needs that must be met in achieving performance results and a better system..

There are many other facilities in employment applications that need to be developed in KANREG III BKN generally to maximize the system works at all times always evolve with the increasing need for information and the development of increasingly rapid technological.

In filing the information system built there are still many shortcomings and only archive the data processing that can mengepesienkan performance of staff who will receive cpns sk, sk promotions, salary increases sk, sk additional child / wife / husband, sk pension etc..

6. REFERENCES

[1] Bahri, Kusnassriyanto S., Sjachriyanto, Wawan, 2005, Delphi Programming, Informatics, Bandung.

[2] Budhi Irawan, 2005, Network Computer, Graha Ilmu, Yogyakarta.

[3] Hartono, Jogiyanto, 2001, Theory and Applications Computer Program Language Turbo Pascal (Part 1), Andi, Yogyakarta.

[4] Hartono, Jogiyanto, 2005, Analysis & Design of Information Systems: a structured approach to the theory and practice, Andi, Yogyakarta.

[5] Nugroho, Adi, 2004, Concept Development of Database Systems, Informatics, Bandung.

[6] Practical Guide PROGRAMMING Borland Delphi 7.0, Andi, Yogyakarta.

[7] Pressman, Roger S., 2002, Software Engineering: Practitioners Approach (Book I), Andi, Yogyakarta.

[8] Santosa, P. Insap, 2004, Data Structures Using Turbo Pascal 6.0, Andi, Yogyakarta.

[9] Stallings, Williams, 2002, Data Communications and Computers: Computer Networking, Salemba Teknika, Jakarta.

[10] Hariyanto, Bambang, 2003 Filing Method: This method uses Archiving Archiving Method Based on Number, Informatics, Bandung.

[11] Teddy Marcus Zachariah, Agus Prijono, 2005, Concept and Implementation of Data Structures, Information Technology, Bandung.

[12] Witarto, 2004, Understanding Information Systems: Practical Approach Through Information Systems Engineering Cases On Information Systems Around Us, Informatics, Bandung.