

Electronic Design For Determining The Credit Number Of Health Workers At The Kepahiang District Health Office

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Abstract: One of the conditions for the promotion of functional positions in the health sector is to have a predetermined credit rating. The determination of the Jabfung Health Worker Credit Number (PAK) is calculated based on the Proposed Determination of the Health Worker Credit Number (DUPAK) which is evaluated and assessed by the assessment team. Both PAK and DUPAK still use manual methods to calculate loan amounts, with both medical staff and appraisal teams calculating each component of the loan score based on a careful and well-established formula. To solve this problem, a credit scoring system was developed to help validate and verify credit numbers submitted by healthcare providers, making the credit scoring process quick and accurate. The newly built system is web-based and contains all the elements of credit evaluation activities, and each user enters data, the system automatically performs integrated data calculations and management, eliminating the need for data entry by the assessment team. The procedures of the old system and the new system are not much different. The system development method used in this study uses a system development life cycle (SDLC) concept approach with a prototype model, where the prototype is a system development that goes through a series of repetition processes to include the changes needed until the system meets the desired criteria, in this paper the prototype method only reaches the application modeling stage. Application modeling begins with needs analysis then system design. System design includes creating context diagrams, Entity Relational Diagrams (ERD), Table Relational Diagrams (TRD), and Flow Charts.

Keywords: credit report, DUPAK

I. INTRODUCTION

Globally, we are currently entering the era of Disruptive Industry 4.0. The development of digital technology is expected to bring changes in the way of life and the way of working, and the need for better and more equitable health services. The epidemiological map of diseases in Indonesia was also changed so that a variety of more difficult and complex strategic challenges are presented. Attempt to promote, prevent, treat and Rehabilitation should be carried out in a more integrated and thorough manner, its effectiveness Improvements must continue to be made with the support of the State Civil Apparatus (ASN).

Superior and efficient bureaucracy. One of the responsibilities of the Personnel, Finance, and Administration Subdivision of the Secretariat of the Kepahiang District Health Office is to compile, coordinate, and implement policies, codes, standards, procedures, standards, as well as technical guidance and monitoring. Performance appraisal and career development by ASNs (especially healthcare professionals). The number of employees is 184, which is quite large.

A functional position is a collection of positions that contain functions and obligations related to specific expertise and expert services. According to Perka BKN No. 11 of 2022, functional positions are divided into two groups. General functional positions that do not require appointment and promotion One of the conditions for promotion to a functional position in the field of health is a certain level of credit.

The determination of the Jabfung Health Worker Credit Number (PAK) is calculated based on the Proposed Determination of the Health Worker Credit Number (DUPAK) which is assessed and assessed by the assessment team. PAK and DUPAK still use manual methods to calculate loan amounts, requiring medical staff and appraisal teams to calculate each component of the loan score according to an established and proven formula. To solve this problem, we have developed a credit scoring system to help verify and validate credit numbers submitted by healthcare providers, making the credit scoring process quick and accurate. The new system is web-based and contains all elements of credit scoring activities, each user enters data, the system performs calculations automatically, and integrates data management without the need for the assessment team to enter data. There is not much difference between the old and new system programs. The fundamental difference is that the new system uses web-based computer technology for data management, which simplifies the data entry process and overcomes the bottlenecks of the old system.

II. RESEARCH METHODE

The system development method used in this study uses a system development life cycle (SDLC) concept approach with a prototype model, where the prototype is a system development that goes through a series of repetition processes to include the changes needed until the system meets the desired criteria, in this paper the prototype method only reaches the application modeling stage. Application modeling begins with needs analysis then system design. System design includes creating context diagrams, Entity Relational Diagrams (ERD), Table Relational Diagrams (TRD), and Flow Charts.

1. Running System Analysis

The ongoing system analysis is First steps to do beforehand Gives an idea of the proposed system. Because there must be a foundation to build systems where it can be a problem occurs and must be resolved immediately to avoid Disrupt business processes. The following are Current system flow chart from Dinas Kepahiang District Health. flow chart As shown in Figure 1 below.

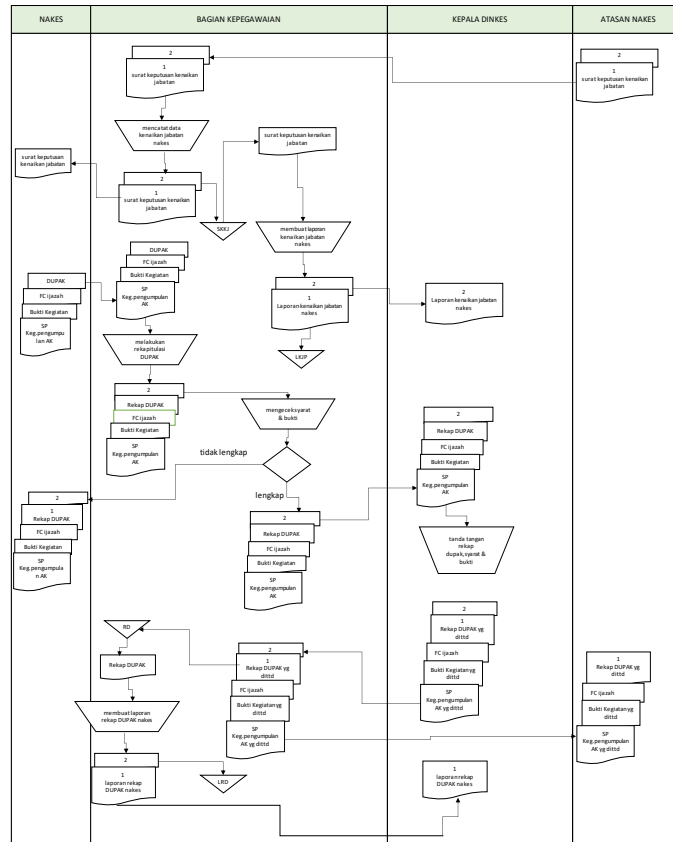


Figure 1. Current system flow chart

Explanation from Figure 1 regarding the current running system in dinas Kepahiang District Health:

1. The superior of the health worker concerned submits two copies of the decree of promotion to the staffing department
2. The personnel department will record the data of the promotion decree, one duplicate of the promotion decree is submitted to the employee concerned, one duplicate is used as an archive. based on the archives and records, the personnel department makes a report on the promotion of the employee in two copies, one duplicate is used as an archive and one duplicate is submitted to the head of the Health Office
3. Health Workers to be able to advance to the next level are required to collect credit numbers, then Health Workers carry out credit number collection activities such as making papers, compiling technical guidelines for the implementation of activities, holding trainings and seminars.
4. After the credit number is collected, the Health Worker takes the form of a list of proposals for determining the credit number (DUPAK), a statement letter carrying out credit number collection activities and calculates the estimated credit number.
5. Health Workers fill out a form listing the proposal for determining credit numbers (DUPAK), a statement letter of carrying out credit number collection activities and then submit it with a photocopy of the diploma and evidence of activities to the staffing department
6. The staffing department will recapitulate the DUPAK which is made in two copies, after which the staffing department will check the conditions and evidence of these activities. If it is incomplete and ineligible, the conditions and evidence will be returned to the employee concerned. If the complete requirements and evidence (DUPAK, statement letter of carrying out credit number collection activities, photocopy of diplomas and evidence of activities) will recapitulate DUPAK which is made in two copies.
7. The staffing department submits the conditions and evidence (list of proposals for determining credit numbers (DUPAK), a statement letter carrying out credit number collection activities, photocopies of diplomas and evidence of activities to the Head of the Health Office.
8. The Head of the Health Service signs the terms and evidence, and submits it to the staffing department.
9. The staffing department accepts the conditions and evidence (list of proposals for determining credit numbers (DUPAK), a statement letter carrying out credit number collection activities, photocopies of diplomas and evidence of activities from the Head of the Health Office then one duplicate of the DUPAK recap is archived and another duplicate with other conditions and evidence is submitted to the employee's superior.
10. Based on the archives of the DUPAK Recap, the staffing department made a two-fold DUPAK Recap report. One duplicate is used as an archive, the other duplicate is handed over to the head of the Health Office.



Figure 5. Electronic Information TRD Determination of credit numbers for health functional positions

III. RESULT AND DISCUSSION

User interface design in the information system Determination of credit numbers for functional positions of health Personnel was developed to be user-friendly and web responsive so that it can adjust to various platform sizes. The display is also designed to be informative to users and offer complete information needs.

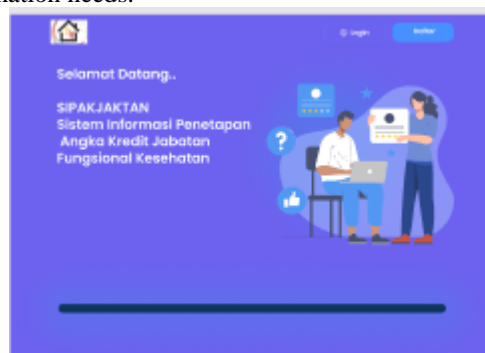


Figure 6. Landing page

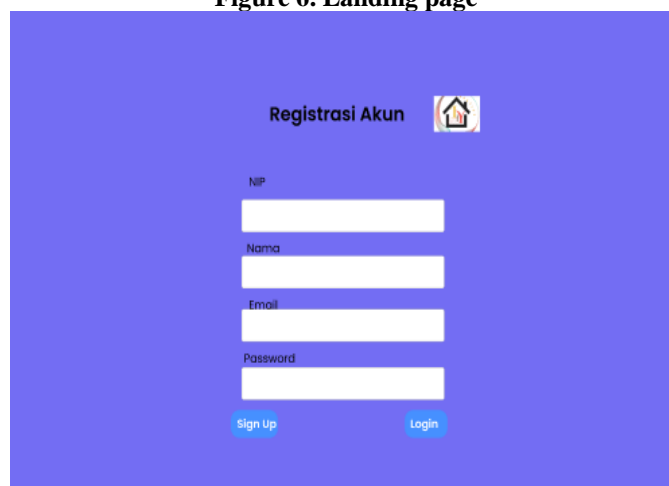


Figure 7. registry



Figure 8. Login

Figure 8 shows the login page for the functional position of health, Head of Health Office, superiors of health workers and admins using the website. The functional position of health, Head of the Health Office, superiors of health workers can log in according to the user who has been registered.



Figure 9. dashboard



Figure 10. registrant data

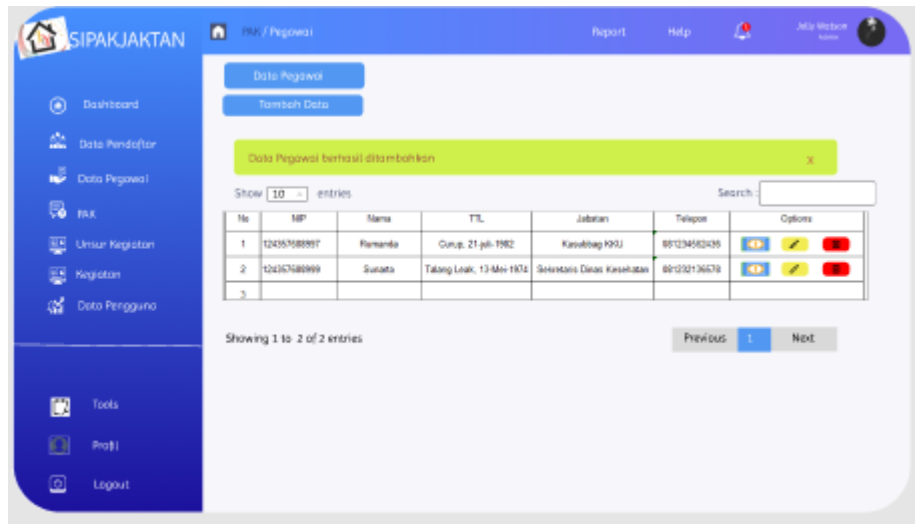


Figure 11. health workers

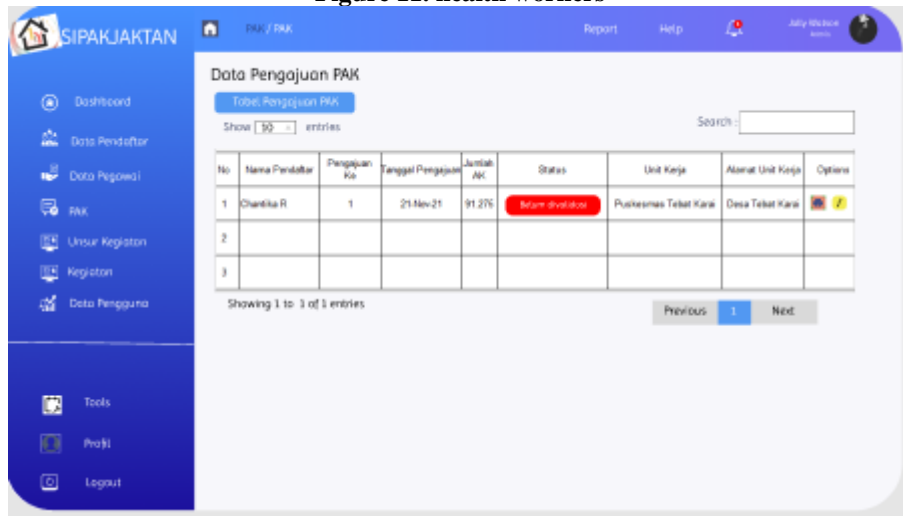


Figure 12. PAK



Figure 13. PAK value element

CONCLUSION : Based on the discussion contained in the electronic information system of the Kepahiang Regency Health Office for determining the position credit number (PAK) of the health function, the following conclusions can be drawn:

1. BAP and PAK reports generated directly from the system can speed up the credit score evaluation process and can easily find out the credit score of the previous year.
2. The decision to promote or not, can already be obtained from the system.
3. The function of participant data in the system makes it easier for the assessment team and personnel department to obtain data on functional personnel who have been assessed and have not been assessed.

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