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Information System of Achievement Scholarship Recipients (Case Study: SDN I Glp Minyeuk Sigli)

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Abstract: Achievement scholarship is one of the SDN I Glp Minyeuk Sigli programs which is managed by a school that has the aim of helping children who excel but are less well off financially in school, it is hoped that with this achievement scholarship program many children cannot afford the cost but have academic achievement can continue school without having to be confused or worry about cost issues. This achievement scholarship program is aimed at children of SDN I Glp Minyeuk Sigli in particular so that this program will manage a lot of children's data, in order to be able to manage large children's data quickly and accurately, an information system for receiving achievement scholarships is needed to help in performance so will be fast in processing, processing, and making reports. The purpose of this study was to determine the information system for the Achievement Scholarship Recipients of SDN I Glp Minyeuk Sigli, and to design a desktop-based Information System for the Achievement Scholarship Recipients of SDN I Glp Minyeuk Sigli. Based on the results of observations and the author can draw a conclusion which includes the following, namely; use of the information system for the data collection of outstanding scholarships at SDN 1 Glp. Miyeuk Sigli is expected to be able to help make Achievement Scholarship Information data that is accurate and effective, and the existence of an information system, it makes it easy for SDN 1 Glp. Miyeuk Sigli for speeding up general information and reducing errors.

Index Terms: Systems; Information; Scholarships; Achievements.

1. Introduction

An information system is a system within an institution or agency that is a combination of people, facilities, technology, procedures, and controls aimed at obtaining important communication channels, processing certain types of routine transactions [1,2], giving signals to management and others to internal and external events that are important and provide an information base for decision making [3].

Achievement scholarship is one of the SDN I Glp Minyeuk Sigli programs which is managed by a school that has the aim of helping children who excel but are less well off financially in school, it is hoped that with this achievement scholarship program many children cannot afford the cost but have academic achievement can continue school without having to be confused or worry about cost issues. This achievement scholarship program is aimed at children of SDN I Glp Minyeuk Sigli in particular so that this program will manage a lot of children's data, in order to be able to manage large children's data quickly and accurately, an information system for receiving achievement scholarships is needed to help in performance so will be fast in processing, processing, and making reports. Currently, SDN I Glp Minyeuk Sigli children who have intelligence and academic intelligence but are less able to finance, do not need to worry and fear that they will not be able to continue due to funding problems, because there are already many scholarship programs both from the government and from agencies or institutions. which has a scholarship program for high-achieving children who wish to continue their education but are constrained by costs.

Sources of funds used to finance children who receive merit scholarships come from donors, both individuals, companies, and other institutions who distribute part of the assets or money intended to finance the education of high-achieving children, from donations given by donors then managed by SDN I Glp Minyeuk Sigli with the achievement scholarship program, this program is prioritized for children who excel but are less fortunate for the cost of continuing their schooling so that the hope is that with this achievement scholarship program many children who excel but are less well off in cost can continue their schooling. The purpose of this study was to determine the information system for the Copyright © 2021 IJECS

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Achievement Scholarship Recipients of SDN I Glp Minyeuk Sigli, and to design a desktop-based Information System for the Achievement Scholarship Recipients of SDN I Glp Minyeuk Sigli.

2. Background and Analysis

Starting from the 2013/2014 academic year the mechanism for determining outstanding scholarship recipients uses the household-based targeting mechanism1. The requirements/criteria for students who are entitled to receive outstanding scholarship fund benefits with the above mechanisms are:

- a. Students who come from Target Households who get/receive a Social Protection Card (KPS);
- b. Especially for new students of Grade 1 SD and Grade 7 SMA for the 2013-2014 academic year, who receive Scholarship Recipient Candidates for Achievement.

In addition to the above criteria, the Principal together with the School Committee can propose the names of other students who are deemed appropriate and entitled to receive outstanding scholarships but do not get a card with the following criteria:

- a. Parents of students are registered as PKH (Family Hope Program) Participants, or;
- b. Households holding a Poor Household Certificate (SKRTM) in lieu of a Social Protection Card (KPS) or:
- c. Students are threatened with dropping out of school because of financial difficulties, or;
- d. Orphans and/or orphans, or
- e. Other considerations (for example physical disabilities, victims of prolonged disasters, and students who come from poor households and have more than 3 (three) siblings under 18 years of age).

The system to be built is a system that uses computers as the main processing device. Humans act as regulators, operators, and main controllers of these devices. The way the new system works is a development of the old system work. The information system that was built is expected to be able to shorten the time in producing a recapitulation report on the proposal of scholarship recipients and the recapitulation of Achievement Scholarship recipients. As well as making the Achievement Scholarship data storage and management more structured. There are three main stages in this outpatient information system, namely data input, process, and output data.

In application development, researchers use the waterfall method which is one type of application development model and is included in the classic life cycle, which emphasizes sequential and systematic phases [4,5]. For the development model, it is analogous to a waterfall, where each stage is carried out sequentially from top to bottom [6,7]. So, each stage should not be done simultaneously. Thus, the difference between the waterfall method and the agile method lies in the SDLC stage [8,9]. This model also includes software development that is somewhat less iterative and flexible. Because a process that leads in one direction is like a waterfall [10].

3. Result and Discussion

In the results of this study, the development of an application that can run on the Windows operating system. There are several menus built from; Login form, main menu, input of prospective scholarship recipients, scholarship recipients, scholarship recipient arrangements, and reports.



Fig.1. Login Form



Fig.2. Main Menu Form

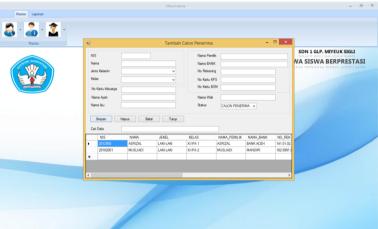


Fig. 3. Prospective Recipient Data Input Form

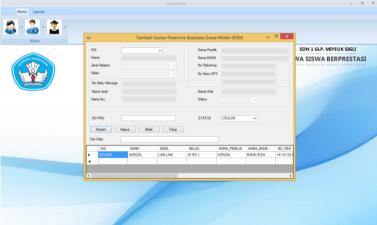


Fig. 4. Scholarship Recipient Proposal Data Input Form

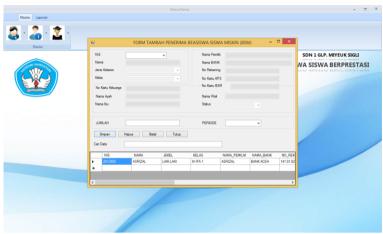


Fig. 5. Scholarship Recipient Data Input Form



Fig. 6. Design of Prospective Recipient List Data Output Form Design

The function of the prospective recipient list data report form is to display the processed list of prospective recipients. The form of the recapitulation data of prospective scholarship recipients is to display the recap of prospective scholarship recipients that have been processed previously on the prospective recipient data input form as shown in Figure 7. The function of the recapitulation data report form for scholarship recipients is to display a recap of scholarship recipient proposals that have been processed previously on the form input data from the recipient's proposal, as shown in Figure 8 below. The function of the scholarship recipient proposal data report form is to display the recap of the scholarship recipients that have been processed previously on the recipient data input form.

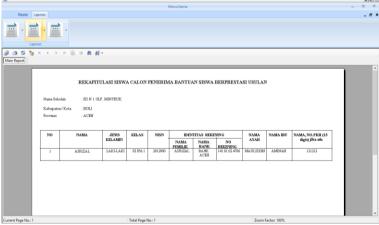


Fig. 7. Design of Data Output Form for Proposed List of Scholarship Recipients



Fig. 8. Design of Data Output Form List of Scholarship Recipients

5. Conclusion

Based on the results of observations and the author can draw a conclusion which includes the following:

- 1. Use of the information system for the data collection of outstanding scholarships at SDN 1 Glp. Miyeuk Sigli is expected to be able to help create accurate and effective Achievement Scholarship Information data.
- The information system makes it easy for SDN 1 Glp. Miyeuk Sigli for speeding up general information and reducing errors.

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