Online Registration Information System at Imelda Medan Kindergarten/PAUD

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ABSTRACT

Computers are very well known and have been widely used by the public. Even with a computer system, this can complete all the work that has been done manually. With the help of computers the work can be completed quickly and structured. Computers are tools that are very popular today in solving problems that are used in various fields of science and information technology. With the development of this information technology, an Advocacy Information System and KIE (Information and Education Communication) at the North Sumatra BKKBN were made on a Web-based basis by creating a database to obtain information which is still being done manually. The Advocacy Information System and KIE (Information and Education Communication) at the North Sumatra BKKBN can be done using several programming languages including mysql. The ability to process data is very important for the Web-based Advocacy Information System and KIE (Information and Educational Communication) at the North Sumatra BKKBN which is engaged in information and moderator. The Advocacy Information System and IEC (Information and Education Communication) at the North Sumatra BKKBN still uses manual work so it requires changes that help researchers to complete work effectively and efficiently. That's why the author made a Web program that serves to provide information to the public about family planning that has been established, to make it easier for people to get information about family planning.

INTRODUCTION

The development of information technology in the current era of globalization is growing very rapidly. The development of information technology today provides various advantages and conveniences for humans in this century. Various aspects of life and activities require information technology to support their respective needs. Therefore, information technology is a very important element that cannot be separated from today's world civilization. Along with the rapid development of information technology, the aspect that cannot be separated from this is the educational aspect. Information technology plays an important role in improving the quality and quality of education in Indonesia. This internet which is part of information technology provides advantages and quality to the world of education. The internet is an effective means of public technology media and is in great demand by the public. Through the internet one can find out various information about educational institutions that are in accordance with what is desired, be it schools, universities, or other educational institutions.

Providing information about educational institutions, the internet is a means that is expected to be able to meet the need for this information. In the new school year, it is certain that many parents are flocking to find a good school for their children. It is certain that they will find a good school for learning development for their children. Therefore, information technology intervention is needed to facilitate this. With internet media provides benefits and comfort for two parties. For students, they do not have to come to the destination school to register. For the school, it is easier for them to select incoming students without requiring many conventional activities.

Imelda Kindergarten / PAUD is one of the early childhood school institutions that is still not widely developed in the community and there are not many students in this institution like other schools, therefore the author wants to create an online Registration Information System at Imelda Kindergarten / PAUD schools so that the wider community is more familiar with this early childhood school and to facilitate registration.

METHOD

The object of research in the writing of the Final Task is located at TK/PAUD Imelda Medan Jalan Bilal No.52 (Komplek Yayasan Imelda Medan) Pulo Brayan Darat Medan with the direct intake of new student registration requirements. The Data Collection Methods used are:

1. Observation: Conducted by conducting direct research with related agencies to collect information and data needed to support problems.
2. Literature Study: Conducted by reading and studying books related to the problem, as well as searching and learning from internet media.
3. Interview: Conducted by asking directly with people related to the agency about the needs according to the problem.

RESULTS AND DISCUSSION

Proposed Information System

The existing system for registration of Imelda Kindergarten / PAUD still uses a manual system and there are still many parents who do not know the Imelda Medan Kindergarten / PAUD institution. Therefore the author proposes to use a new application system:

1. Manual systems became computerized;
2. Data storage in a database;
3. Display details and online registration process;

Designed Information System Policy

The policies in the Online Registration Information System at Imelda Kindergarten / PAUD are as follows:

1. Strive for development and systems that make it easier for parents to register their children.
2. Try your best so that parents can see the new system.
3. Strive for data updating steps in the form of information systems.
4. In designed programs payments are not discussed because payments are made in direct schools.
5. The filing can be printed online so that parents can do it at any time.
6. The registration schedule can be done at any time because the school still lacks students so the design of this online system was made so that it could be a promotional event.

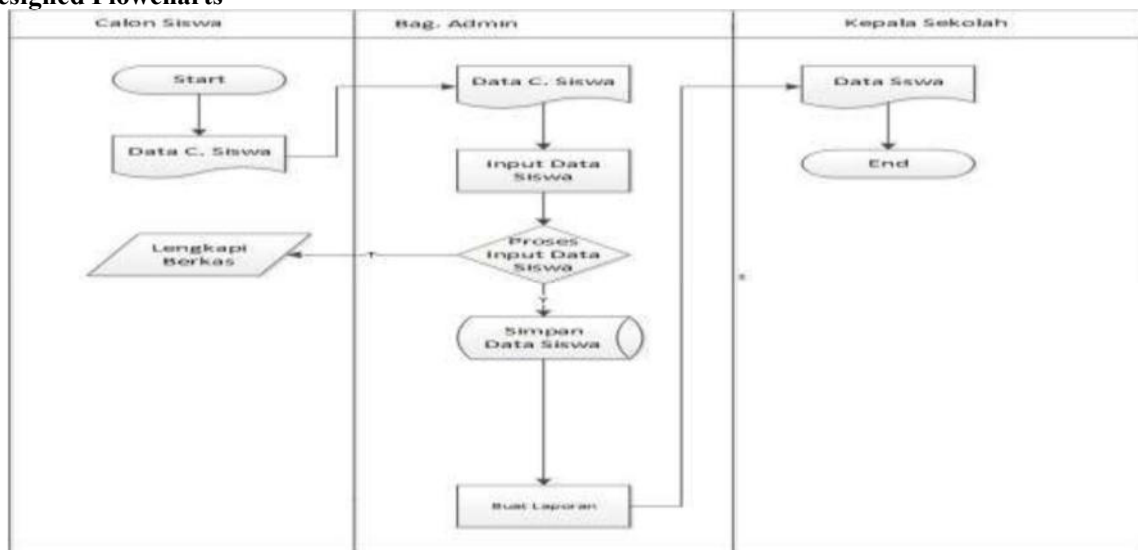**Planned System Model Planning**
Designed Flowcharts

Figure 1. Designed flowcharts

Context Diagram

Proposed Context Diagram in the design of an online registration information system at Imelda Kindergarten / PAUD in this context diagram there are four entities as shown below.
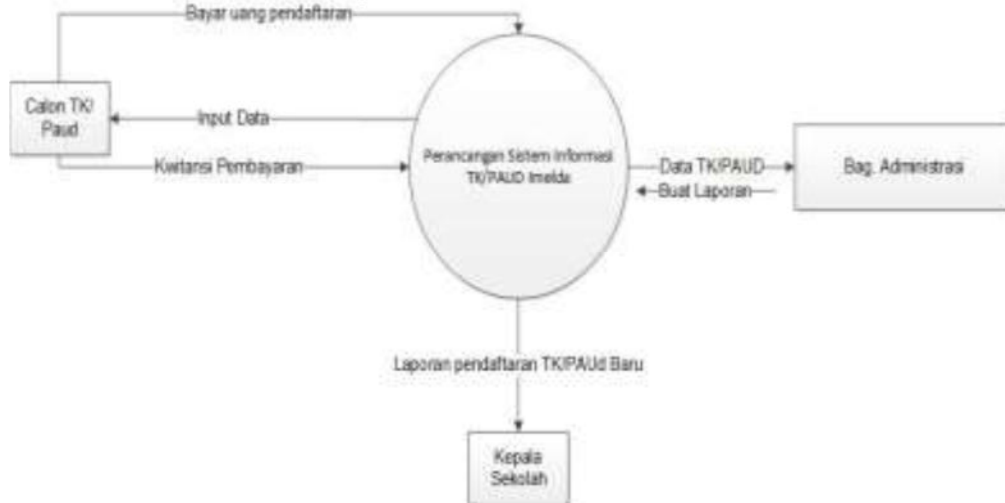

Figure 2. Context Diagram Planning

Designed level 0 Data Flow Diagram

The level 0 data flow diagram explains the registration process for kindergarten / PAUD Imelda Medan proposed at level 0 consists of one process / activity as shown below:
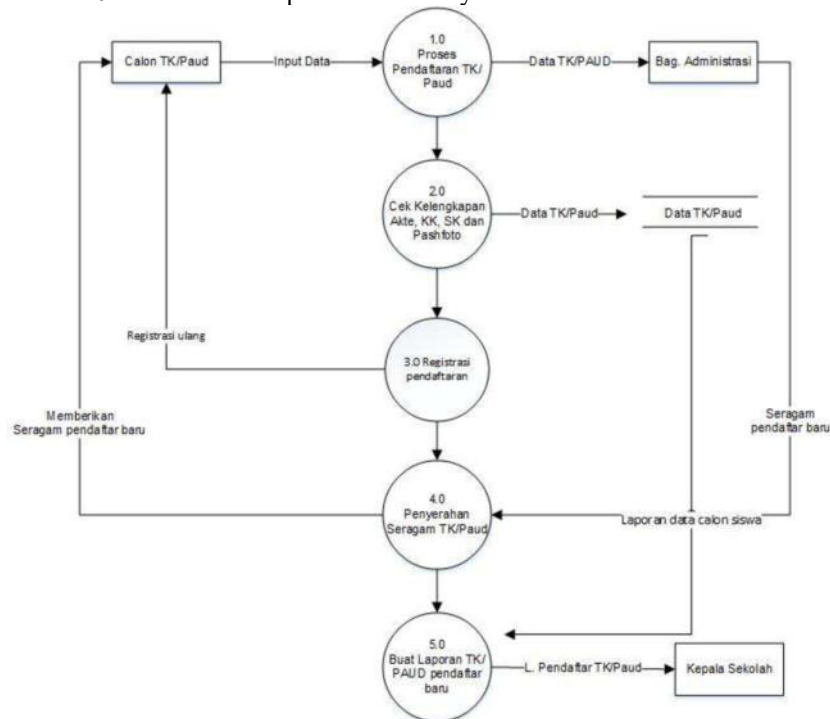

Figure 3. Data Flow Diagram 0

Main Menu Display

The following is the display of the main menu in the program designed at TK/PAUD Imelda Medan.

Figure 4. Main Menu Display

Admin Login View

Serves to enter the username and password to enter the online Registration Information System at TK/PAUD Imelda Medan.

Figure 5. Admin login view

Registration Page Display

The following is a look at the registration page for prospective student form data in the new Imelda Kindergarten / PAUD used for prospective students who are first to enroll in Imelda Kindergarten / PAUD Imelda. If this button is pressed, the form display will appear as follows:
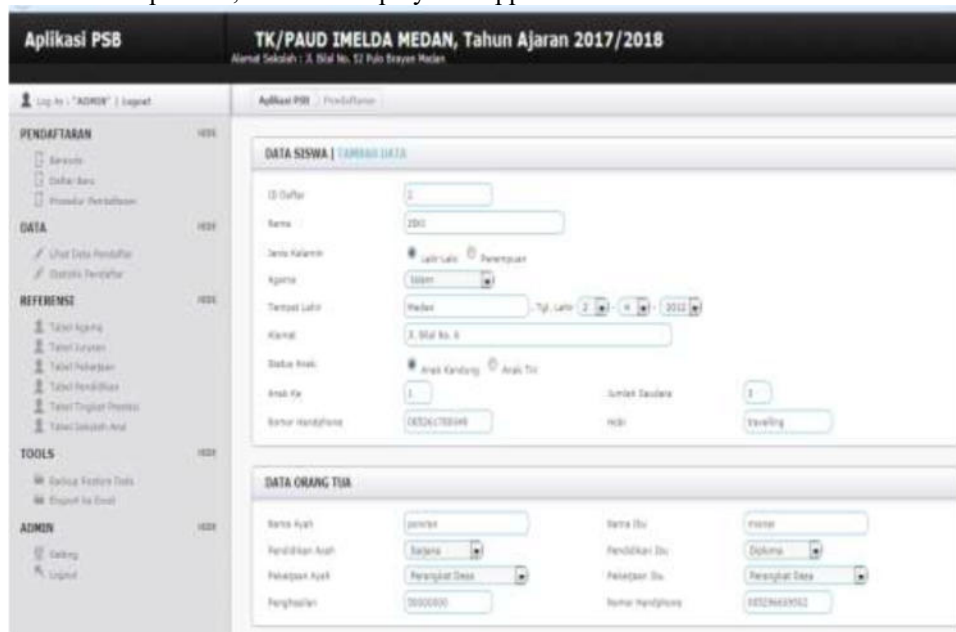

Figure 6. Registration View

Print View of Registration Form

The function of printing the form is as proof that students have registered online at the online registration form for TK/PAUd Imelda Medan.

Figure 7. Print View of Registration Form

Advantages of Planned Systems

The advantage of the system proposed by the author is that this system is all done by computers and the task of the admin is only to input according to the number of people who register. In addition, parents are faster to access their children's registration without having to come to the registration agency. Parents can also access various kinds of information available in Imelda's kindergarten / preschool.

Weaknesses of Designed Systems

For information system programs made online, there are still weaknesses including the following:
1. This designed information system is still vulnerable to security and privacy in every online transaction.
2. In terms of design, it is still very simple.

CONCLUSION

Based on the results of research and observations that have been carried out, it can be concluded that the formulation of the problem is to facilitate registration in Imelda Medan Kindergarten / PAUD. To introduce this school to the wider community so that more parents enroll their children in this school, and at the same time can become a promotional event for all middle and standard parents. To build and test the design of an online registration information system in Imelda Kindergarten / PAUD using the web.

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