



Web-Based Tuition Payments Information System At Al-Wafi Kindergarten

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Abstract

The tuition payment system at AL-WAFI Kindergarten is still done manually, that is, recording is done using a tuition payment notebook. Which can cause errors in recording SPP payment data or mistakes in calculating SPP payments, the process of recording and making SPP payment reports takes a long time. Several other problems were also found that were often complained about, namely the difficulty of collecting separate SPP payment data in several financial books. This slows down the payment process, recording and reporting payments. This causes the process related to SPP payments to not run optimally. To overcome all the problems above, the author proposes to design and build supporting applications such as database systems so that processing of tuition payments is more effective and efficient, and can also simplify operational activities in schools. This system was designed and built using the PHP (Hypertext Preprocessor) programming language and MYSQL as the database.

Keywords: Information Systems, Tuition Payments, PHP.

1. Introduction

In the era of globalization, the development of technology and information is running increasingly fast, covering all aspects of life. Dependence on technology and information makes most people, both individuals and groups, flock to switch from using manual tools to using modern tools. This is because the work process by utilizing technology and information can increase accuracy, speed and precision. One aspect that has developed from advances in technology and information is the field of education. There are various activities that can be developed in terms of information systems, one of which is payment of SPP administration [1] AL-WAFI Kindergarten is an institution operating in the education sector which is located in Kantil Hamlet, Padang Brahrang Village, District. Completed District. Langkat, Prov. North Sumatra. However, in making payments for Education Development Contributions (SPP), the school does not yet have a system that supports payment of SPP. Activities in paying SPP are still carried out manually, that is, recording is done using an SPP payment notebook. This can cause errors occur in recording SPP payment data or mistakes in calculating SPP payments, the process of recording and making SPP payment reports takes a long time. Another problem that is often complained about is the difficulty of collecting separate SPP payment data in several financial books. Based on the problems above, the author took the title "Web-based Tuition Payment Information System at AL-WAFI Kindergarten" to simplify the process of operational activities at schools in paying tuition fees [2].

2. Previous Research

2.1. Understanding Information Systems

An information system is a system within an organization that supports managerial operations and strategic activities of an organization and external parties with the necessary reports and meets other daily transaction processing needs. An information system is a series of formal procedures where data is grouped, processed into information, and distributed to users [3].

2.2. Payment System

A payment system is a system in which there are agreements or rules used to send and receive payments and fulfill payment obligations. According to Aulia Pohan [4] argues that "The payment system is a system that is needed for submitting, confirming and receiving payment instructions, as well as paying obligations collected through the exchange of value either individually, at banks and other institutions domestically or internationally. state by implementing contractual arrangements, activation facilities and technical mechanisms" [5].

2.3. Educational Development Contribution (SPP)

Tuition fees are an obligation that must be paid every month by students at school. SPP (Education Development Contribution) is a monthly contribution or payment from students which is an obligation for students at school. SPP payments are shown to support improving the quality of education related to facilities and infrastructure for teaching and learning activities [6].

3. Results And Discussion

The data collection method used was three stages, namely library research, an interview with one of the AL-WAFI kindergarten school teachers and direct observation of the system that was running [7].

- a. Library Study (Library Research); At this stage, the activities carried out are studying and researching various reading sources that are related to the problem encountered and which can be used as a basis for this research, such as supporting books, the internet, journals, notes and references to previous research.
- b. Field Research; The observation method used by the author is by observing activities or direct inspection of sections related to activities involving tuition payments, to get a clear Fig of the implementation of the current system. This activity is needed to search for and collect the required data directly from the source.
- c. Interview (interview); In this research activity, it is a series of questions and answers and interviews in sections related to the related problems, so that existing problems can be identified and those that need to be developed.

3.1. Running System Procedures

The system used at the AL-WAFI Kindergarten school still uses a manual system, this takes quite a long time and is less efficient. The reporting process, which is an important part, is also carried out using a manual system, making it possible for errors to occur. Apart from that, it also takes a long time to process and can also influence the decision making process [8].

- a. Submission of SPP Card; The student's parent or guardian gives a certain amount of money and submits a tuition fee payment card every time they wish to make a monthly payment to the administrative staff, as proof that the student has paid tuition fees with the tuition payment amount that has been determined or determined by the school.
- b. Recording payments on the SPP card; Recording payments according to the amount of money paid by the student's parents or guardians is accompanied by recording the date of payment, signing and stamping the payment of the tuition card by the administrative staff, then the administrative staff provides proof of payment of the tuition fees to the student's parents or guardians.
- c. Record proof of payment in the ledger; Apart from recording payments on the tuition card, administrative staff also record tuition payments in the ledger, their function is as proof of tuition payment data to the school.
- d. SPP Payment Report; Administrative staff prepares tuition payment reports. Then the treasurer checks the tuition fee payment report, whether the tuition fee payment report is correct or there is something wrong. If there is an error in the SPP payment report then the administrative staff revises it, whereas if the SPP payment report is correct then the administrative staff submits.

3.2. Problems

The obstacles faced by administrative staff in the SPP payment process are as follows [9]:

- a. When making tuition payments, administrative staff must write the student's tuition payments into the tuition fee card and tuition payment notebook which is written manually, thereby allowing errors to occur in the process of recording tuition payments.
- b. Storing documents is still in the form of paper media which will result in damage and loss of data. To make a tuition fee payment report, administrative staff must look at the tuition fee payment notebook which will result in errors in writing student data and payment data and will take quite a long time.

3.3. Alternative Problem Solving

From several existing problems, several alternative problem solutions were created that can be overcome using a computerized system, as follows [10]:

- a. So SPP payment information system was created to make it easier to process SPP payment data. This system was created using the PHP programming language and uses the Xampp application as a media or localhost web server that can be used offline.
- b. Data is stored by archiving via computer media such as a hard disk.
- c. Facilities are provided to print student data reports, tuition payment reports and proof of tuition payment effectively and efficiently.
- d. The Tuition Fee Payment Information System can be viewed online by students' parents or guardians. To be able to view it online in the Tuition Payment Information System, the author created it using additional free applications such as ngrok.
- e. For database storage, use MYSQL so that it is stored properly so as to reduce damage or loss of data.

4. Implementastion and Testing

Based on the database design, input and output, an application for the tuition fee payment system at AL-WAFI Kindergarten was produced.

- a. Display the Login Form



Fig. 5: Login Form Display

- b. Display the Officer Main Menu Form



Fig. 6: Display of the Officer Main Menu Form

- c. User Data Menu Display

Web bayar SPP DATA PENGGUNA DATA SISWA TRANSAKSI LAPORAN LOGOUT

DATA PENGGUNA TK AL-WAFI

TAMBAH DATA

NO	NAMA PENGGUNA	LEVEL	AKSI
1	Heni Handayani	pelugas	EDIT HAPUS
2	Arangha	siswa	EDIT HAPUS
3	Ponikawati S Pd	berdikara	EDIT HAPUS
4	Eti Novita S Pd	kepala sekolah	EDIT HAPUS

Fig. 7: User Data Menu Display

d. Student Data Menu Display

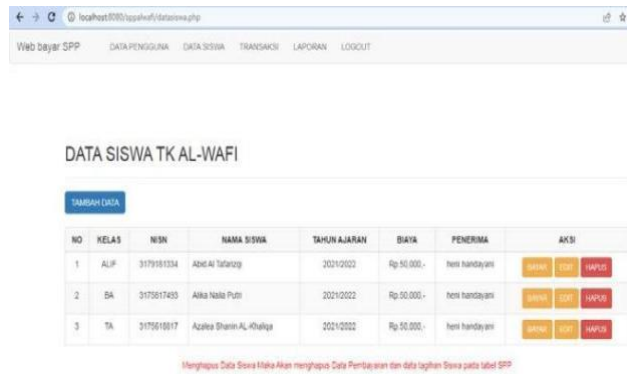


Fig. 8: Student Data Menu Display

e. Transaction Menu Display



Fig. 9: Transaction Menu Display

f. Output display of SPP payment transaction proof



Fig. 10: Output display of SPP payment transaction proof

g. Output Display of SPP Payment Data Report



Fig. 11: Output Display of SPP Payment Data Report

h. Display the Treasurer Login Form



Fig. 12: Display the Treasurer Login Form

i. Treasurer Report Output Display



Fig.13: Treasurer Report Output Display

j. Display the Parent Student Login Form

**LAPORAN PEMBAYARAN SPP
TK AL-WAFI**

Tanggal 2023-02-02 s/d 2023-04-02

NO	NISN	NAMA SISWA	KELAS	NO. BAYAR	PEMBAYARAN BULAN	JUMLAH	PENERIMA	KETERANGAN
1	3175618817	Azalea Shanin AL-Khaliqa	TA	2303270003	Juli 2021	Rp.50,000,-	heni handayani	LUNAS
2	3179181334	Abid Al Tafarizqi	ALIF	2303270004	Juli 2021	Rp.50,000,-	heni handayani	LUNAS
3	3179181334	Abid Al Tafarizqi	ALIF	2303270005	Agustus 2021	Rp.50,000,-	heni handayani	LUNAS
4	3175618817	Azalea Shanin AL-Khaliqa	TA	2303280001	Agustus 2021	Rp.50,000,-	heni handayani	LUNAS
TOTAL						Rp.200,000,-		

Dusun kantil, 02/04/23
Bendahara

Ponilawati,S.Pd

Fig. 14: Display the Parent Student Login Form

5. Conclusion

With the existence of a computerized SPP payment information system, it can make it easier to carry out every SPP payment transaction which has been carried out by TK AL-WAFI. the Tuition Payment Information System at AL-WAFI Kindergarten can be viewed publicly, making it easier for parents of students when they want to view the Tuition Payment Information System online. The Tuition Payment Information System at AL-WAFI Kindergarten which has been built still has a simple appearance in terms of appearance and process, for this reason it still needs to be developed further by adding facilities such as payment transfers and displays. It is recommended to use flash for design so that the display looks more attractive.

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