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Web-Based New Student Admissions Information System at the Adzkia Integrated Islamic Elementary School (SDIT)

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Abstract

The information system for admitting new students is one of the processes in educational institutions such as schools that are useful for making it easier to screen prospective students who will be selected according to the expected criteria and determined by the school. In this study the application was at the Adzkia Integrated Islamic Elementary School, which had been done manually and had not been computerized. The author is motivated to create an Information System for making a web about Admission of New Students at the Adzkia Integrated Islamic Elementary School. Admission of New Web-Based Students with the Prototype model development method and with an object-oriented system approach that is modeled using PHP, HTML and SQL which is able to manage data quickly and to avoid cheating entering data. Admission of New Students has several stages, namely registration, selection, and announcement of acceptance of new students.

Keywords: HTML, Information Systems, PHP, SQL, Web

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INTRODUCTION

The rapid development of information technology influences and has a big impact on human life, progress is something that we cannot avoid in this life, because technological progress will go hand in hand with advances in science, especially advances in education (Podins & Lavrenovs, 2018; Putra, 2009; Sopandi & Kurnianda, n.d.; Varela & Barbosa, 2012).

The e-learning system or distance learning system, online library, e-campus and online student registration are proof that information technology is increasingly in demand and has even become a necessity (Alattas et al., n.d.; Haqi, 2019; Nugraha & Syarif, 2018). Because, every innovation that is created to provide positive benefits for human life (Morales-del-Castillo et al., 2009; Pathania et al., 2018; Shen et al., 2009).

Education is an effective means of supporting the development and improvement of human resources in a positive direction (Solihin, 2017; Zein & Sari, 2018). Technological developments in the manual student registration system have begun to be abandoned and take advantage of technological developments such as the online registration system (Azra, 1994; Garcia-Alfaro & Navarro-Arribas, 2007; Nurrohmah & Nugraha, 2021; Oda & Somayaji, 2010; Rietta, 2006; Wijaya et al., 2022).

Adzkia's Integrated Islamic Elementary School (SDIT) is an elementary school located on Jln. Cendrawasih Neighborhood 04 Paya Kiri Tengah, North Pelawi, P. Brandan (Eviani et al., 2016). The system for registering prospective new students in integrated Islamic elementary schools as a whole still uses a manual process and fills out forms. Information on the Integrated Islamic Elementary School is only obtained through brochures, banners, billboards and through social media, such as from WA, IG and FB. In addition, for prospective new students who have difficulties in terms of taking and returning forms, because it requires more time and costs. Therefore, the author is interested in changing a new registration system using the Website, where information about SDIT adzkia can be loaded on the website page so that it helps prospective students register using the online form available on the Website.

METHODOLOGY

This research was conducted at the Adzkia Integrated Islamic Elementary School located on Jl. Bird of Paradise Link IV PKT. North Pelawi Village, Babalan District, Langkat Regency, North Sumatra. The reason for the researcher taking the place of research at the Adzkia Integrated Islamic Elementary School is to make data collection easier. When the research was conducted at the Adzkia Integrated Islamic Elementary School from April 2023.

The type of data used is primary data obtained directly from the research subject by taking data on visits by Prospective New Students in monthly reports for the 2022 period. Meanwhile, secondary data is obtained from interviews and observations with the person in charge and the principal of the Adzkia Islamic Elementary School.

Methods Data collection was carried out by observation and interviews. This study uses qualitative data using the SDLC (System Development Life Cycle) method, which is a system process known as a life cycle with several stages, the famous classical SDLC model is called the waterfall model. The stages of system design using a waterfall include planning, system analysis, system design, system implementation (program code), testing, and system operation and implementation.

RESULTS AND DISCUSSION

Software Requirements Analysis

Stages of Analysis

This stage is useful as a process of identifying the needs of every aspect related to the new student admissions website at Adzkia Integrated Islamic Elementary School. Some of the specifications that have been designed are as follows:

Admin page

- 1) Admin can login
- 2) Admin can manage school profiles
- 3) Admin can manage web gallery
- 4) Admin can manage the registration form
- 5) Admin can manage registrant recap reports
- 6) Adin can log out

Prospective students page

Web-Based New Student Admissions Information.....

- 1) Prospective students can open the website
- 2) Prospective students can read school information
- 3) Prospective students can register online
- 4) Prospective students can see the announcement

Design Stages

Database design

In this database design stage, the author divides the database into 4 tables namely:

1) Admin Login Tables

This table is used to store admin login data, so that only the data listed in the admin table can log into the new admissions website for Adzia Integrated Islamic Elementary School to perform data processing.

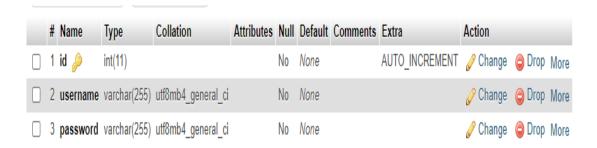


Figure 1. Admin login table

2) Student Data Table

This table is used to record the personal data of prospective students such as Student Name, NIK, Place and Date of Birth and others which will later be separated by the parent data table or additional data table.

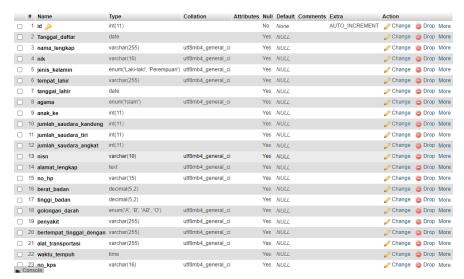


Figure 2. Student data table

3) Parent Data Table

This table will be used to recapitulate parental data from prospective students who will enroll in the Adzkia Integrated Islamic Elementary School which will later be interconnected with the Student Data table that was created previously.

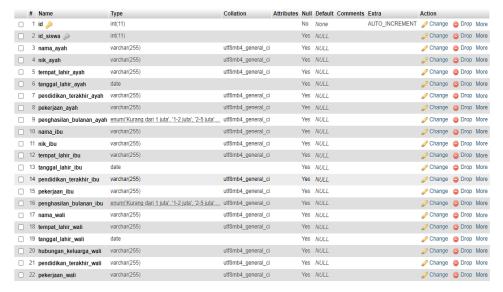


Figure 3. Parent data table

4) Additional Data Tables

Contains additional information regarding the origin of previous education from prospective students who will enroll in the Adzkia Integrated Islamic Elementary School.

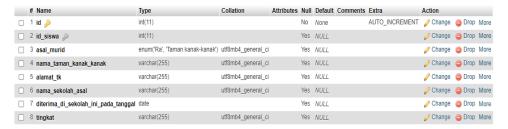


Figure 4. Supplementary table

User Interface

1) Main Page Display

The main page or Home is the index page that opens for the first time when a visitor opens the url or domain of the school's website. The home page contains basic information about the Adzkia Integrated Islamic Elementary School.



Figure 5. Display main page

2) View the Registration Form Page

It is on this page that prospective students will fill in the information according to the brochure when the new student admission system is still manual. This Registration Form page will contain information about prospective students, parent and guardian data as well as additional data that will be needed in the process of admitting new students at the school Adzkia's Integrated Islamic Fundamentals.



Figure 6. Display of the registration form page

3) Display the Login page

The login page functions for the school admin to enter and access the data of prospective students who have entered or inputted originating from filling out the form on the registration form page. Prospective new students at Adzkia Integrated Islamic Elementary School.



Figure 7. View of the login page

4) Display Admin Page

On this page later the admin can recap the data that has been entered from prospective students who have registered. Later this page can only be accessed if the admin has successfully logged in which aims to maintain data security for the Adzkia Integrated Islamic Elementary School.



Figure 8. Display of the admin page

CONCLUSION

The conclusions from the research that has been carried out are: (1) There is a web-based information system at the Adzkia Integrated Islamic Elementary School. (2) With the existence of a new web-based student admissions information system, it is hoped that there will be no more lost data due to manual data collection using paper forms. (3) With the existence of a web-based new admissions information system, it is hoped that schools can further promote schools because they can be accessed from anywhere via the internet. (4) This web-based new student admissions information system can later be developed from a prototype model to live so that it can help both the school and prospective new students who will register at the Adzkia Integrated Islamic School.

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