ANDROID-BASED ADMINISTRATIVE SYSTEM DEVELOPMENT AT TACHFIDZHUL QUR'AN BOARDING SCHOOL PONDOK AL MUKHLISH KALIDADI CENTRAL LAMPUNG

Muhammad Huda
Guru dan Pengajar Pondok Pesantren Tachfidzhul Qur'an, Kalidadi, Lampung Tengah
Jl. Raya Kali Dadi, Kec. Kalirejo, Kabupaten Lampung Tengah, Lampung
e-mail: huda325849@gmail.com

Article history	Abstract
	Along with the development of the digital era, all human needs require technology. One of the tools for everyday human needs is the internet, which is an online global network without any boundaries that provides all types of information and system development in the current era of globalization. Al Mukhlish Kalidadi Islamic Boarding School, Kalirejo, Lampung is currently in the stage of management arrangements and wants to always develop using digital. The current developments have made the spirit and want to always be at the forefront of the field of religious sciences, especially regulating management in the administrative field, therefore the availability of facilities and performance to facilitate the administration of santri administration, especially the payment administration of everything in the pesantren, therefore in here the author will develop an existing administrative system to make it easier to process the management. In this study, the method used is in the form of R&D which will develop and test its effectiveness by expert experts. While data collection uses observation, interview and literature study. The conclusions obtained in this study are to reorganize the management of the boarding schools, especially in the administration sector so that all data can be safe and easy to use.

INTRODUCTION

At this time the development of technology is increasingly widespread. Technology is a necessity in everyday human life, this development cannot be

separated from the existence of an institution, both non-formal educational institutions and formal education, all of which require technology. Not forgetting also the religious institution, namely the Islamic Boarding School where in the past the Islamic Boarding School did not have a technological system as it is today, the Islamic Boarding School is the oldest Islamic education which initially functioned as a fortress of Islam. Besides that, it can also function as a place for da'wah and a center for the development of Muslim communities in the world. The existence of pesantren in responding to current developments is certainly inseparable from the provision of a pattern of educators who can present good quality and run carefully, so that the students always put forward rational thinking that can be put to good use. In this process, learning can now be done easily by creating an expert that is needed in the learning order in the Islamic boarding school environment, cannot be separated from conveying ideas for book study, as well as in the classification of students. based on the knowledge they have, not on the number and types of books that have been studied in the pesantren. Based on data from the santri master book, in 2010 there were only 210 students at the al-mukhlish Islamic boarding school, then as the year increases at this time in 2021 both male and female students have reached 1,001. (Al-mukhlish Islamic boarding school). An education is said to be of quality can be seen from the input, process, output and outcome. The boarding school which is examined by the management ranks that all the administrators who interfere already have their respective androids.("Buku induk santri pondok pesantren tachfidzhul qur'a n al mukhlish kalidadi kalirejo lampuung tengah," n.d.)

The term pesantren in Indonesia is more popularly known as Pondok Pesantren, it is different with pesantren, Pondok comes from the Arabic word which means hotel, hostel, house and simple residence, the origin of the word santri, santri comes from the word sastri, a Sanskrit word which means literate letters, while the words of santri actually come from the Javanese language from the word cantrik which means someone who always follows the teacher. According to Manfred Ziemek (1988) the word pondok comes from the word funduk which means a simple room or guesthouse because bungalows are actually a basic paradise for students who are far from their starting place. The word pesantren comes from the word santri which is added to the prefix pe and postfix which means to show a point, so what is meant is the student's place. Meanwhile, according to A. Halim, et al (2005:247) said that Islamic boarding schools are Islamic educational institutions that teach Islamic knowledge, led by kiai as stakeholders or owners of cottages and assisted by ustadz or teachers who teach Islamic knowledge to students through methods and techniques Typical, pesantren can also be said as an educational institution that is served as a place to deepen religion as well as a center for the spread of religion. Because in Islamic boarding schools, religion is taught with passion and it is also in Islamic boarding schools that the teachings of Islam are spread

At first glance, the connotation of pesantren with the traditional terms above, suggests that all pesantren are old-fashioned and do not accept change. Whereas the traditional term means that this institution has existed for hundreds of years 300-400 years ago and has become a deep part of the life system of the majority of Indonesian Muslims, who are the majority group of the Indonesian nation and have undergone changes from time to time in accordance with the life journey of the people is not traditional in the sense of being fixed without experiencing adjustments(Ziemek, 1988). From some of

the meanings that have been stated above, we can understand that pesantren is an Islamic educational institution where the students live in cottages led by kiai. The student study, understand, and explore, appreciate and practice the teachings of the Islamic religion by emphasizing the importance of religious morals as a guide for their behavior in everyday life.

Research conducted by where all of our activities to facilitate their work really need a system, especially in the administrative system so that performance can run well in financial arrangements so as to increase efficiency and effectiveness in institutions that use the system. the administration.(Eliana & Rahmatya, 2019) Research conducted by In the science of technology at this time it is very important for us to know for all people, especially people who still do not understand, from here we create a technology service program to the community to improve services provided by administrative staff in order to reduce queues in financing.(Sudibyo, Fanani, & Nurcipto, 2018) The results of research conducted by One of the keys to achieving success in the financial management of Islamic boarding schools has three stages, namely Planning, Implementation, and Assessment or Evaluation, thus if all of this has been done and carried out properly, the pesantren can said to be successful in managing the administration in the pesantren.(Arifin, 2016)

(Hendrianto, 2014; Putri, 2014; Soufitri, 2019) In previous research, of course, they are already familiar with technology, so that everyone knows about the flow of technology and implements it, but there is still one who is confused about making payments or administrative flows that already exist in the Islamic boarding school, or for the guardians of students who have to come to the boarding school to pay. boarding school administrative costs, therefore here the author found an idea to develop an administrative system using an android-based administrative system where in this system it has a feature that is needed for users, especially the guardians of students in the hope of making it easier for guardians of students to finance their children in pesantren so that there is no need to come to the pesantren and queue at the time of payment.

For the management of financial management at the Al Mukhlish Islamic Boarding School it is still not regular and the system used is still changing, sometimes using a manual system or a number processing system, depending on the will of the person in charge of the administrator of the pesantren administration, so mistakes and errors often occur in financial matters, because not all managers know about technological systems that can facilitate their work. Based on the description above, especially on administrative management issues in Islamic boarding schools, researchers will help develop a pesantren administration system using an android-based system, with this development, the administrative management management system at Al Mukhlish Islamic Boarding School can make it easier for managers and users anywhere and anytime. just.

RESEARCH METHODS
2.1. Data Collection
1. Observation

   According to Syaodih N (2013) observation or observation is a technique or method of collecting data by conducting observations of ongoing activities("Pengertian Observasi Menurut Para Ahli [internet] Pengertian Observasi Menurut Para Ahli [diakses pada 04 Mei 2021] tersedia di," n.d.).

At this observation stage, the researcher made a direct observation of the management of the Al-Mukhlish Kalidadi Islamic Boarding School, Kalirejo, Central Lampung. Then the researcher will conduct a system analysis to solve the problems experienced by the Al-Mukhlis Islamic Boarding School in Kalidadi, Kalirejo, Central Lampung, so that what is experienced and what is the problem with the management of the Al-Mukhlish Islamic Boarding School can be completed and run as desired. for the future.

2. Literature review

According to Arikunto (2006) the study of writing is a strategy to collect information through searching data through books, magazines, papers, and other writings which are expected to form a hypothetical premise("Pengertian Studi Pustaka Menurut Para Ahli [internet] Pengertian Studi Pustaka Menurut Para Ahli [diakses pada 04 Mei 2021] tersedia di," n.d.). At this literature study stage the researcher made an observation through several journals, the internet and books that were needed as a source or reference in collecting data to look for new ideas and were developed in this research as well as solving problems that occurred in research at the Al-Islamic Boarding School. Mukhlish.

3. Questionnaire/Questionnaire

As indicated by Sugiyono (2011) polling is an information gathering procedure carried out by giving a lot of questions or articulations that are arranged to the respondent to be addressed ("Angket Sebagai Teknik Pengumpulan Data Menurut Para Ahli [internet] Angket Sebagai Teknik Pengumpulan Data Menurut Para Ahli [diakses pada 04 Mei 2021] tersedia di," n.d.). At this stage of the questionnaire/questionnaire, the researcher made an observation by distributing the questionnaire with the aim of making it easier for the management capacity of the surrounding users and what their current opinion about the management was.

2.2. SDLC (System Development Life Cycle) Design Model

(Muhamad Muslihudin, Fauzi, 2021; Muhammad Muslihudin, 2016; Oky Irnawati, 2018) said SDLC is a process of changing and making systems using the SDLC method which will then be developed with several systems and then run by users who have important stages for a software. (Mulyani, 2016) Stages The stages in the method are as shown in the following picture.
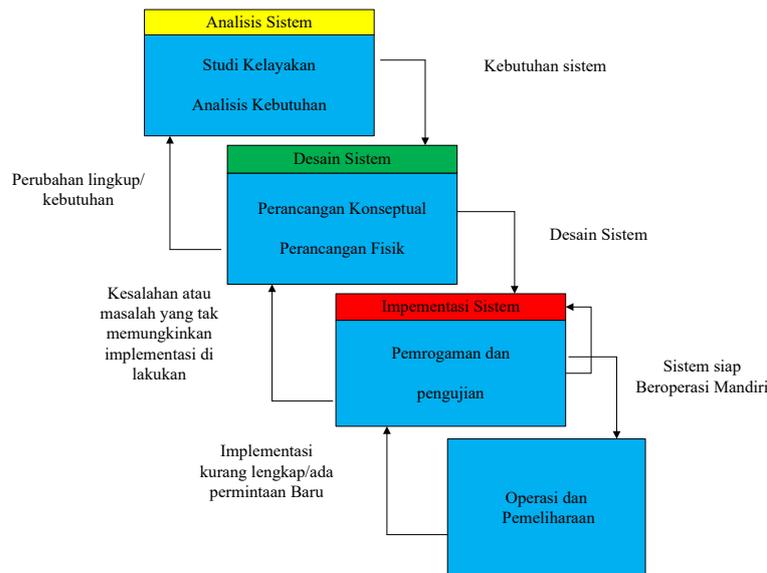
Figure 1.SDLC method

a. System Analysis

The main purpose of this analysis is to determine all things about the work done by the system to carry out an analysis that includes a feasibility study and needs analysis.

b. System Design

System design serves as the management after all analysis of various development systems and all the requirements needed by all applicable systems. These requirements prepare a design to build a good implementation.

c. System Implementation

This implementation includes all stages and activities carried out such as:
- Programming and Testing
- Hardware and software installation
- User training
- Document creation
- Conversion

d. Programming and testing

Programming is all activities in making programs that are needed to carry out and manage instructions in the computer so that they can work with their respective goals and carry out periodic testing to find out various problems that exist in the system.

e. Operation and Maintenance

This maintenance is carried out to get several reasons for detecting problems that arise during ongoing testing, maintenance is carried out due to changing business strategies in the system so that maintenance can trigger changes that occur in programs that have been made.

DISCUSSION

3.1. Design

As a result of the introduction of the problem by collecting information through perceptions and direct meetings at the Al-Mukhlish Islamic Boarding School, Kalidadi Village, Kalirejo District, Lam-Teng. The plan that will be used in this test is the Use Case Diagram. From the development improvements can be seen in the following figure:
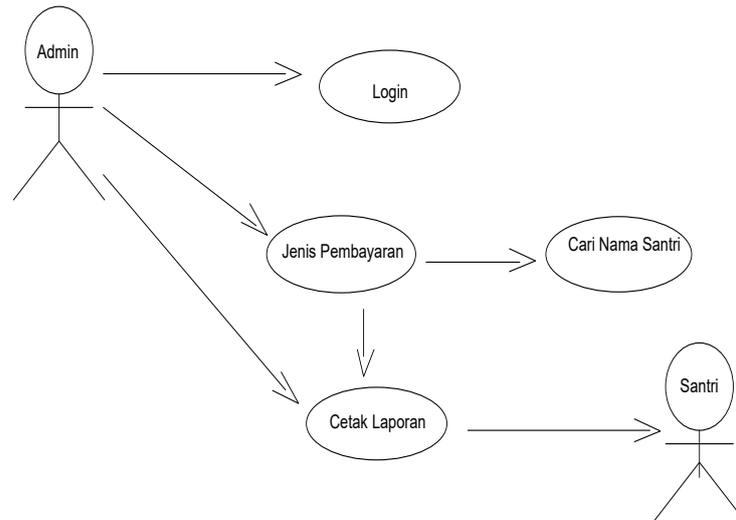
Figure 2. Use Case Diagram

This Use Case diagram is to illustrate the clarification of the course of the android application framework that has been created. The interaction begins with the client implementing and paying the tuition fees at the pesantren. After making a payment, the builder admin will enter the asset, then proceed with searching for the name of the student who will pay, after completing the transaction to the admin, the information from the payment will be used as a dynamic day-to-day financial report.

3.2. Program Implementation

From the interface design that has been made, the implementation of the finished program for administrative development at the Al Mukhlish Islamic Boarding School, the system that has been created is as follows and which has been run, following the page menus on the system that was created.

Figure 3. Home Page Website

From the home page that has appeared where the login menu has two users, these two users include the admin user, which admin is able to fully access the later part of the system and the student login menu where students can access various payments to be paid as well as the information contained on the system.
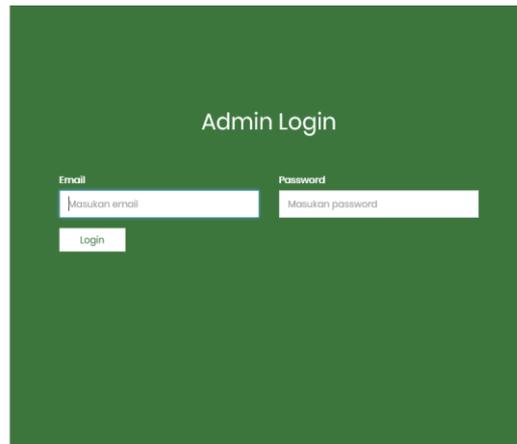
Figure 4. Admin Login page

This admin login page, all of which can access the system that has been created and perform transactions or input data from students or payment data, as well as on the student login menu, is not much different from the login page ii, but on the student login page they can only see payment information.
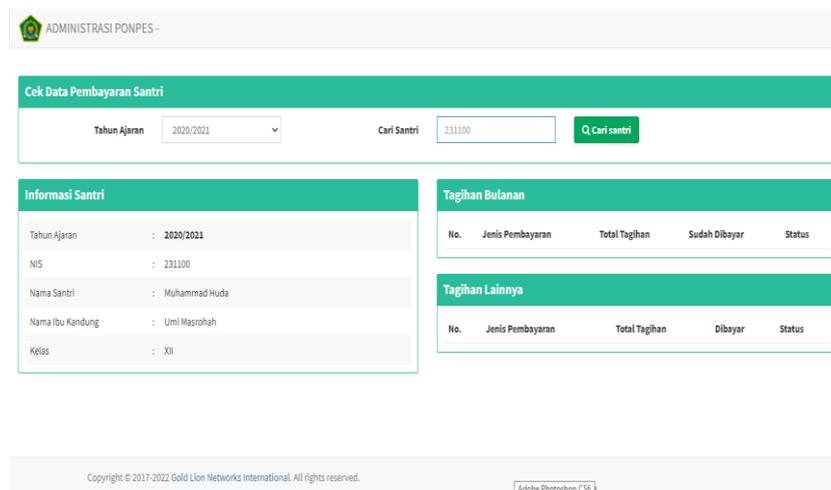

Figure 5. Invoice Check Page

On the initial display, there is a menu for checking student bills where all can access data on student payment bills that have not been paid. The student login menu only contains financing information and important information from the pesantren, on this page all students can find out the remaining bills, both monthly and annual bills that have not been paid.
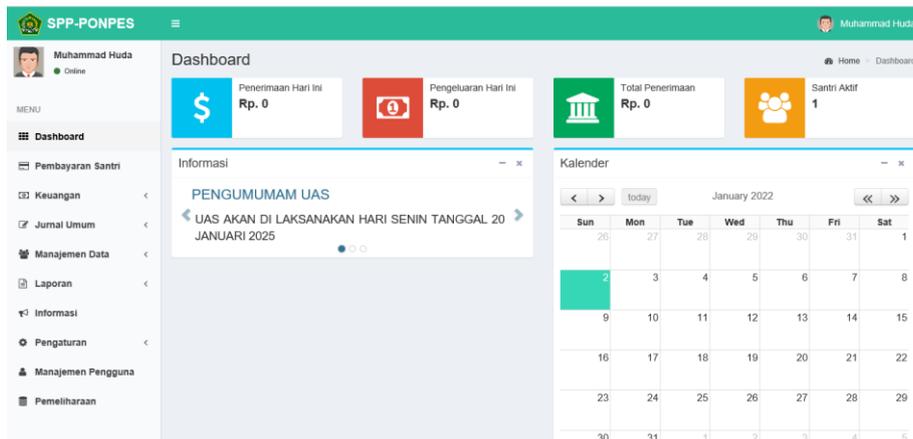
Figure 6. Dashboard Page

The menu on this dashboard can only be opened by admins from existing accounts and on this page there are lots of menus that are very useful for admins in the administration section to make transactions from various parties, guardians of students. This page shows the payments available at the Al Mukhlis Islamic Boarding School which have been validated by several cottage parties where there are several types of payments, both annual and monthly.
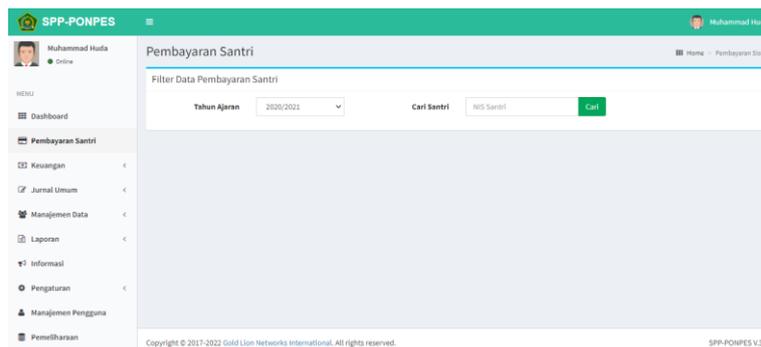

Figure 7. Paid Santri Pay

This page contains some information for students where the student can find out what he has paid and what he has not paid here if there is some student data as well as parent data and the total amount that has not been paid and will be paid. In this report, it is part of the admin who manages the data where for the sake of honesty and security of transactions this report can be printed and given to the ranks who hold fast to the administration section in the pesantren, this page also contains a financial recapitulation that has been entered in the system. This information page is accessed on the homepage of the system that is displayed on the dashboard where this information is very useful for each student to find out when the test schedule or holiday schedule will be determined by the pesantren ranks.
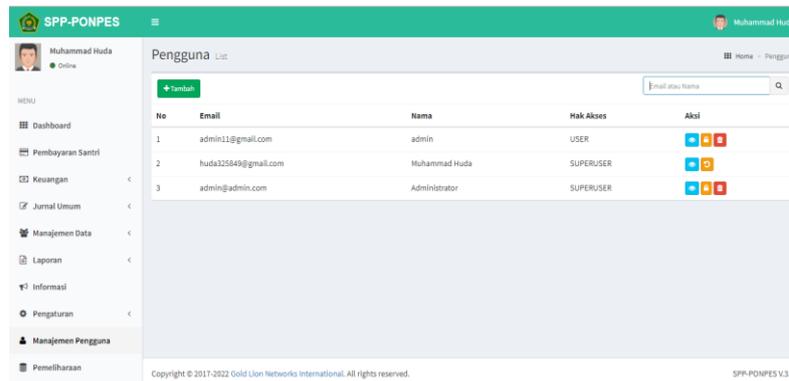
Figure 8. User Edit Page

This user list shows several accounts that have been logged in and used and can access several payments that will be executed, on this page there are two users, namely User and SuperUser where the user can only open without being able to do full activity and superuser who can fully access the system is in it. From the results of the system test that has been tried and everything is going well, the pesantren administration system can be directly used by the pesantren which will later provide benefits and convenience for the pesantren operator and the santri or guardians of the santri can also see the payments that must be paid through the system. the.

CONCLUSION

Based on the results of the study it came to a conclusion that Given the consequences of the examination that had been carried out, the board of directors reasoned that the current administrative system in all inclusive pesantren would be improved with a determination to assist the guardians of the santri in making managerial installments. It's the same with helping the Al-Mukhlish live in school Islam in providing comfort to escort the administrators, especially in the area of authority. With this authoritative goal at this all inclusive Islamic boarding school, it can make it easier for students and student supervisors to get installments around the Al-Mukhlish Islamic boarding school and can see applications and types of installments that can be accessed by students and their guardians on Islamic Live-in pesantren as well as on the pesantren web. Based on the conclusion that there are discussions, planning frameworks and implementation of organizational applications at the Al Mukhlish All Inclusive Islamic School. This application is still not able to make a recapitulation report every month, therefore the following analysts are believed to really want to create an application framework for the consequence of the stock exchange report recap consistently, and can be reworked to make it even more powerful. add include features and grow further. .

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