The Implementation of Online-Based New Student Admissions in Surakarta

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Abstract: The purpose of implementing this research is to determine the implementation of online-based new student admissions in the city of Surakarta, and the effectiveness of the implementation of online-based new student admissions in Surakarta. In the implementation this research using descriptive research with a qualitative approach. Technique for search subject with purposive sampling and snowball sampling, for collection data observation, interview and documentation, and to testing the validity of the data used data triangulation and methodological triangulation. The results showed that the implementation of online-based new student admissions in Surakarta was implemented using a zoning system. Implementation of online-based new student admissions, there are several stages of implementation, namely starting with the preparations made by Education Department of Surakarta, then the implementation of online-based new student admissions carried out by Junior High Schools supervised by the Education Department of Surakarta. Online-based admission of new students begins with registration, filing of requirements, inputting data into the system, selecting, announcing the results of selection and re-registration activities; and in implementing online-based new student admissions at the Education Department of Surakarta, it already has an effective system in terms of indicators of goal achievement, availability of resources, good internal processes, and constituency satisfaction in implementing online-based new student admissions.

Keywords: Implementation, Effectiveness, Online-based acceptance of new students, Education Department

1. Introduction

Information technology has changed from time to time. Along with these changes, it has led to the development of science in various fields of life, including health, agriculture, government and education. These changes must be managed or utilized properly so as not to cause negative changes and can provide benefits to the community. One of the uses of technological developments is in the field of education, namely to improve quality and quality services to the community in obtaining easy access to education.

The Indonesian government takes advantage of the development of information technology by implementing an online system in the field of education, one of which is designing an online education application information system (SIAP) which is designed to meet the needs in processing educational data and information that can be used by all levels of education. The application of the online system is used in the new student admissions program at the basic education level to the higher education level. The online system used in the implementation of new student admissions is designed to be able to carry out all activities automatically starting from the registration process to the announcement of the selection results online and on a real-time basis.

The government implements an online system in the implementation of new student admissions to provide excellent service to the community in the field of education. The implementation of the online system in admitting new students is expected to be able to create a system that is objective, transparent
and accountable and can be accessed easily and quickly via the internet network. The online system in implementing new student admissions makes it easy for the public to be able to access information. The implementation of an online system requires public knowledge or understanding of the use of technology, as well as the availability of supporting facilities and infrastructure. However, what is happening in the community today has not maximized the use or utilization of information technology and most people choose to do something conventional even though the government has provided various facilities and infrastructure.

Surakarta is one of the cities that implements new student admissions using an online-based system. This program is a program implemented by the Education Department of Surakarta to improve the quality of service to the community. The implementation of online-based new student admissions has been carried out since 2006 until now for junior high school and senior high school/ vocational school level. The city of Surakarta is the city that other cities are going to learn about the technical implementation of the student admission system with an online system. However, starting in 2017 is based on Law Number 23 of 2014 concerning Regional Government regarding the division of government affairs in the education sector for senior high school and vocational school level it was taken over by the provincial government. In this case, the implementation of online-based new student admissions for senior high school and vocational school level is carried out by the Central Java government.

The Education Department of Surakarta does not only accept new students by using the online system, but also using the off-line system. The admission of new online-based students in the city of Surakarta is carried out as a form of utilizing the development of website-based information technology. The Education Department of Surakarta has the authority in implementing new student admissions both in the implementation of online and offline-based new student admissions. The implementation of online new student admissions in Surakarta is applied to public and private junior high schools. For the kindergarten and primary school level, the student admission system is implemented off-line while still using the principles of admitting new students. However, the implementation of the admission of new students at the junior high school level is not entirely implemented by using the online system and the off-line system is also applied to special provisions that have been regulated in the guidelines for the admission of new students in the city of Surakarta.

In implementing the online-based admission of new students, it cannot be separated from the problems. This shows that management is needed in the implementation of online-based new student admissions. Management is used to compile program planning to program evaluation. Program planning is the base for implementation and will become a reference in the course of activities and program evaluation. The implementation of online-based new student admissions in the city of Surakarta is inseparable from program planning which is expected to be able to achieve the effectiveness of implementing online-based new student admissions as a program to improve the quality of service to the community. In addition, evaluation is needed to determine the progress of activities and as a mining material for the continuation of the implementation of activities because the use of an online system is not a guarantee that a program that will be implemented runs perfectly, there will be obstacles faced in implementing the program using the online system. Likewise with the implementation of online-based admissions of new students, there are various obstacles that hinder the smooth implementation of the program.

2. Research question

Researchers also conducted several studies on the results of previous studies conducted by other researchers. As the results of research show that the implementation of student admission with an online system is designed to facilitate the implementation of admission selection which is carried out
automatically for each stage of selection. The stages in the implementation of online student admission start from registration to announcement of the selection results. Evaluation activities for the implementation of student admissions with an online-based system show the achievement of the program implementation objectives [1]. In the use of the online system for admission of new students, it is able to meet the expectations of the community regarding the implementation of an objective, transparent, accountable, fast and accurate system [2]. Through the implementation of the acceptance of new online students, the government provides quality services and the public is satisfied with the services provided in the implementation of online-based new student admissions [3]. Public satisfaction and trust in the implementation of online-based new student admission services has increased and has achieved its effectiveness in implementing online-based new student admissions [4].

However, there are different results that in the use of information technology developments using innovative applications using online systems has not yet reached its effectiveness because in implementing digital or online-based policies only a small part people who can use it or are able to master information technology, so that its use in providing quality services is only felt by some people [5]. In the implementation of online-based new student admissions, there is still a lack of socialization regarding the registration procedure so that many parents experience difficulties because they do not receive information about the implementation of online-based new student admissions. The use of an online system is expected to be able to provide convenience to the community but this goal has not been achieved properly in the implementation of online-based new student admissions [6].

As explained in this background, the formulation of the problem can be drawn as follows: 1) How is the implementation of online-based New Student Admissions in Surakarta? and 2) How is the effectiveness of the implementation of online-based new student admissions in Surakarta? And the objectives of this study are as follows: 1) to determine the implementation of online-based new student admissions in the City of Surakarta, and 2) to determine the effectiveness of the implementation of online-based New Student Admissions in Surakarta.

3. Methodology

The research method is a design in research that provides an overview of the procedures or steps of the research, the source of data in research from the acquisition until the data is processed [7]. This study uses a descriptive research method with a qualitative approach. Descriptive research is a method in research activities carried out to describe or describe a phenomenon or situation that is currently happening or events in the past. Meanwhile, qualitative research is research that allows researchers to investigate and search for data directly from experienced informants [8].

The subjects of this study were the Education Department of Surakarta, Public and Private Junior High Schools and the community in the city of Surakarta. The technique of taking the research subject was purposive sampling and snowball sampling. Data collection techniques used in this research were observation, interview and documentation. The technique of testing the validity of the data used data triangulation and methodological triangulation. The data analysis technique used an interactive model by Miles and Huberman which includes data reduction, data presentation, and verification [9].

Researchers carried out research using descriptive research methods with a qualitative approach because the results of this study will describe a phenomenon that occurs related to the acceptance of new online-based students carried out by the Education Department of Surakarta. The study used a qualitative approach in accordance with the research objectives of obtaining more complete, in-depth and unreliable information regarding online-based admission of new students in Surakarta. By using a qualitative research approach, researchers will obtain information directly from the object of research.
The research procedure is a series of steps taken to carry out research from the beginning to the end of the study. This means that research can be carried out regularly so that research results can be achieved properly. A study begins by identifying the problem and ends with drawing conclusions [10]. In this research, the research procedure consists of three stages, namely: the planning preparation stage, the research implementation stage, and the report preparation stage.

4. Results and Discussions

4.1 Implementation of online-based New Student Admissions at Education Department of Surakarta

Based on research that has been carried out, the acceptance of new online-based students carried out by the Education Department of Surakarta uses a zoning system. Implementation of online-based new student admissions at the Education Department of Surakarta has been started since 2006 and in conjunction with Universitas Sebelas Maret (UNS) as a provider of IT experts.

There are several stages in the implementation of online-based new student admissions in the city of Surakarta, as for the discussion of the stages in the implementation of online-based new student admissions at Education Department of Surakarta as follows:

4.1.1 Preparation Stage

The fundamental stage carried out is the preparation related to the study of zoning policies in the implementation of zoning new student admissions implemented in Surakarta. Policy review activities are carried out by the UNS policy review team, the results of the study will be reported to the Mayor and serve as a guideline for preparing technical guidelines for implementing PPDB online in Surakarta. The preparation of the system/application used was also well prepared by the Education Department of Surakarta in collaboration with UNS by forming an IT team at UPT TIK UNS. The system is designed in accordance with the provisions set by the Education Department of Surakarta. In addition, the preparations carried out were preparations related to resources and infrastructure that support the implementation of online-based admission of new students in Surakarta.

Preparation related to resources in the implementation of online-based new student admissions must be well managed so that these resources can support achieving goals. The resources prepared are human resources, both human resources from the Education Department, IT team, or schools that are participating in the online-based admission of new students. Managing human resources by forming a committee to be able to divide tasks and coordinate between the education department and the IT team and with the school that participates in the implementation of online-based new student admissions.

Online-based admission preparation for new students related to facilities and infrastructure is also considered well. Start the preparation system or application, preparation equipment and equipment for the acceptance of new online-based students so that it can run smoothly and smoothly. Preparations continue until the online-based admissions of new students are carried out by the Education Department of Surakarta.

4.1.2 Implementation Stage

Registration is carried out by prospective students coming to the first choice school in zone 1 (one) with registration requirements. At the beginning of the registration activity, prospective students enter the registration room with the conditions that have been determined then the required documents are checked by the registration officer. After the former registration and
forms are filled in completely, the files are taken to the input room. In the input room, there are 2 (two) operators who input data from prospective students into a system / application that has been designed and centralized in the Education Department of Surakarta. The input process runs 10-15 minutes, after the input process is complete, the registrant or prospective student will get proof of registration that is used when re-registering.

The registration activity is different from the registration activity carried out by private schools. Although private schools follow the online-based admission of new students organized by the Education Department of Surakarta, private schools also register for offline-based new student admissions that have been running before the implementation of online-based new student admissions. This is because private schools cannot be the 1st (one) choice in the implementation of online-based new student admissions so that private schools only carry out monitoring activities on the system/application during the implementation of online-based new student admissions. Monitoring activities are carried out to determine the extent to which online-based new student admissions has been implemented and how many applicants have registered at public schools and who have chosen private schools in the intended school choice. If there are prospective students who are already interested in making 1 (one) choice of private schools, they can register offline at the desired private school.

In the next stage, the data that has been inputted into the system / application is selected to determine the prospective students who will be accepted at the school. The selection process runs automatically with an online system that has been designed by the Education Department of Surakarta, the selection is made based on zoning and the priority order of prospective students who have registered at their respective destination schools. The selection process can be explained if the registrant in zone 1 (one) choice 1 has met the quota, and then the selection is made by ranking or by sorting by the highest value up to the specified limit value. If a student candidate cannot be accepted in option 1 (one) then he / she is transferred to option 2 (two). In choice 2 (two) prospective students are also selected as in the first school, if they are not accepted in choice 2 (two) then they are transferred to choice 3 (three), and so on. The selection results are announced online and in print, students who pass the selection can re-register to the school with the applicable conditions and according to the predetermined schedule.

4.1.3 Monitoring and Evaluation

Supervisory activities are carried out by the Education Department of Surakarta and the online-based team of implementing new student admissions by conducting centralized monitoring at the Education Office and also monitoring each school to check the system during online-based admission of new students in Surakarta. In addition to supervision from the Education Department of Surakarta and the implementing team, supervision is also carried out by the school to see how the admission of new online-based students at the school. The results of the supervision will then become material for the evaluation carried out by the Education Department of Surakarta and the team. In addition, evaluation activities are also carried out by the school.

Monitoring and evaluation activities are activities to assess which ones monitor the acceptance of new online-based students in the city of Surakarta. Monitoring and evaluation activities that aim to see problems that occur in the field during the admission of new online-based students and as materials for improvement in further implementation so that they can be carried out without the same problems.
4.2 The Effectiveness of the Application of Online-Based New Student Admissions at Education Department of Surakarta

Effectiveness in the implementation of online-based new student admissions can be seen by using the effectiveness indicator. In this case, indicators of effectiveness are: 1) goal achievement, 2) resource availability, 3) internal organizational processes, and 4) strategic constituency satisfaction [11]. The effectiveness of the implementation of online-based new student admissions as seen from these indicators can be described as follows

4.2.1 The Goal Achievement

The achievement of goals in the acceptance of new students is the hope for everyone involved in the implementation. The purpose of accepting new students based on online is to realize the acceptance of new students that are objective, transparent, and accountable and make it easier for the public to obtain information about the process of accepting new students based online.

4.2.2 Resource Availability

The availability of resources that support the implementation of online-based new student admissions. In the implementation of online-based student admission, resources that support technical implementation need to be prepared as best as possible to be able to achieve effectiveness in implementing online-based new student admissions at the Education Department of Surakarta. In addition to this, supporting resources in the technical progress of admitting new students are online based, including applications that have been well designed, the availability of facilities and infrastructure such as the availability of computers and good internet networks that support the technical implementation of online-based admission of new students.

4.2.3 Internal Organizational Processes

Internal processes in the organization related to activities carried out by the organizers of online-based admission of new students. Activities or activities carried out by the Education Office related to the admission of new online-based students, the main thing is to study the policies applied in a system/application designed jointly between the Education Office and the UNS IT expert team. Next, supervise the system by monitoring at the Education Office or to the school by involving a mobile team that has been prepared by the implementation team for online-based admissions of new students.

4.2.4 Strategic Constituency Satisfaction

Constituency satisfaction can be seen from the satisfaction of the parties related to or associated with the implementation of policies implemented by the Education Office, in this case constituency satisfaction is seen from the satisfaction of the school and the community as recipients of the policy. From various statements conveyed from both the school and the community that the online-based admission service for new students in the city of Surakarta is very good and satisfying. The school assessed by the Education Office always provides good service, always does its job well. This was also conveyed by the community as policy recipients, the community felt it was facilitated by the existence of an online system that accepted new students, besides that the Education Office also provided satisfying services to the community.
5. Future Trends and Conclusions

Based on the results of the research and discussion above, it can be taken as follows:

The implementation of online-based new student admissions at Education Department of Surakarta is carried out using zoning. The implementation of online-based new student admission in one stage, as for the stage in implementing the online-based admission of new students in the city of Surakarta, namely: a) Preparation Stage, which is conducting policy studies, preparing human resources and infrastructure. b) Implementation Stage, namely registration, input and selection activities which are carried out automatically. c) Monitoring and Evaluation, namely monitoring during the implementation of online-based admission of new students and also evaluating activities for better implementation in the future.

The implementation of online-based new student admissions runs well and smoothly so it can be said that online-based new student admissions are effective. The effectiveness of the admission of new online-based students at Education Department of Surakarta is seen from the indicators: 1) Achievement of implementation objectives, 2) Availability of resources both human resources and infrastructure, 3) internal organizational processes, and 4) Constituency satisfaction as seen from satisfaction from parties related to Education Department of Surakarta.

The results of observations made on the implementation of online-based new student admissions in 2019 show that the concept of implementing new student admissions is online based in 2018. So it can be concluded that the previous measurements are still relevant to the current situation.

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