

LICENSING INFORMATION SYSTEM IN KESBANGPOL KOTA PEKANBARU

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ABSTRACT

The development of computer technology now enables the development of computer-based information systems, so the Community Organization (ORMAS) licensing service at the National Unity and Politics Agency (Bakesbangpol) Pekanbaru City needs support from technological developments to reduce existing problems items, namely the lack of information for ORMAS administrators who want to extend the Certification of registration Community Organization ORMAS SKT, and SKT ORMAS when registering. The purpose of this research is to Facilitate all forms of licensing at the Kesbangpol office, so that the process can be more efficient in terms of time and cost. The system that will be created is a Web-based application, the design is done using Unified Modeling Language (UML) and making the system using the PHP programming language, and using a MySQL database.

Keywords: *Unified Modeling Language, Kesbangpol, CBOs, Web, Licensing Services*

1. INTRODUCTION

At this time, the development of technology has been very rapid, so as to provide a large impact on various aspects of life, ranging from the layers of society both organisasi, individuals, and other agencies who Also want to go forward and use it. The rapid development of technology has led to an era Also called the era of computerization. The desire to complete a job quickly intervening, Effectively and accurately Becomes the main driver of the development of technology, especially in the field of computers (Pratama, 2013).

Computerization itself is an activity to process the data where the process is done using a computer that has been programmed, so that later it can control and handle companies that are or organisasi reviews their responsibilities better (Khoirul, et. al., 2013). At the Pekanbaru City Kesbangpol Office, the licensing system in the office can be said to be less efficient Because it is still manual, and still uses paper and there is unclear information about the licensing process, Because The public must go to the office to ascertain Whether Reviews their licensing has been processed or not.

When Viewed in terms of effectiveness, the manual licensing system is still a bit of a hassle for the community Because The community has to commute from its runway to the Kesbangpol office. In terms of time, the journey of the community to the office takes a very long time, moreover the people Whose homes are too far from the Kesbangpol office. Not to mention the time for employees in the Kesbangpol office to check the community of data for further processing. In terms of cost, commuting to and from the office to his home costs a significant amount.

2. LITERATURE REVIEW

System information of licensing management factors are the data storage in the database and streamlining the licensing process, ease of the data to be Achieved and found when needed. The application system that will be made in the Meantime can be applied to the administration department at the Kesbangpol. Overview of previous studies are made to provide additional knowledge to the author in the study, which later writers would take several references that have previously been carried out by the researchers.

Pudyamoko in 2009 explained that through the licensing system, the government can interfere in, directing, and even be able to control the activities of its citizens. Existing licensing system is often seen as a problem, because it is perceived as an obstacle to the society. Handling a variety of licensing has terdesentralisai to the local government, because the problems and barriers is also felt in several areas. The duration of permit, the high costs that must bear the applicant permission, complexity of licensing procedures, and a variety of other issues. For the local government to rearrange the licensing system, such as system improvements,

simplification of the process, and the completion of the type of permit is sebaian ways were sought government.

In a study conducted by Albab (2009) indicated that the licensing is still quite bad, the service quality perizinan make the most of the community is not satisfied with the efforts made by the government. So the government improve the quality of licensing by making innovations such as making all computer units into a single server, single system for the user id licensing services. Jonathan Liliek Prihartanto explained that, in the implementation of licensing had provisions and operational standards that differ from each other. Sudrajat, et. al., (2019) for the application of integrated services on a licensing system needs a clear framework / framework to improve the effectiveness of the quality of services offered. To improve the quality of public services from government agencies to the public many stages - stage agencies that describes the added value of licenses for public service innovation. In this case is there a description of the added value of mobile public service program of the Office (Hardiansyah, 2011).

Misnawati & Yusriadi (2017) said public service aims to identify the implementation of bureaucratic reform, and offers some solutions for the improvement of administrative services licensing. This study used a qualitative approach with instrumental case study. Location of the study conducted at the Integrated Licensing Service Agency (BP2T) in the District Bone. Teknik used data collection, namely: in-depth interviews, document study and observation. Data were analyzed through the stages of data reduction, data presentation, conclusions and verification. The results showed that the implementation of bureaucratic reform in administrative services licensing of Institutional aspects that the licensing service has been shaped Bone County One Stop (One Stop Service); Human Resource aspect that qualified employee who is not in accordance with the needs of the organization, discipline and responsibilities of employees is relatively low; aspects of the systems and procedures that generally permits resolved exceeds the specified time period, discrimination and inconsistencies. Through this research, verification of some of the concepts and theories, namely formalism as one of the characteristics of prismatic society proposed by Fred W. Riggs in justified in this study, which the authors call this phenomenon as "Heresy Regulation". discrimination and inconsistencies.

The development of technology has increased very rapidly along with the times. It encourages every human being, especially the administration as one of the providers of information to continuously follow the developments and take the decision to improve, develop, and update any information presented to support good service. The expected outcome of the research is the archival data management application that can generate output as expected and document archiving process can be done better, faster, and easier (Lestanti & Susana, 2016). And then Nozomi & Hamzah (2018) Designing Data Processing Application for Goods Transportation Business Permit at the Transportation Office of Kabupaten Lima puluh Kota using PHP programming language and MYSQL. All data entry will be processed in a Database. Diverse data will be more easily and quickly processed in a well structured system.

Meirinawati & Prabawati (2015) Archives are made and received by organizations or agencies both government and private should be managed in the archival system by utilizing the knowledge of science and technology development. Realities on the ground, are still many organizations or agencies that have not realized the importance of the archive function, so that the archive is often overlooked, not interested in, or considered to be important to be understood and applied in companies that ultimately created the archive planning and control are good. Realizing that it is in Pekanbaru Kesbangpol dibangunlan a licensing system that is directly integrated with archiving data stored on a system domain Kesbangpol pekanbaru.

3. RESEARCH METHOD

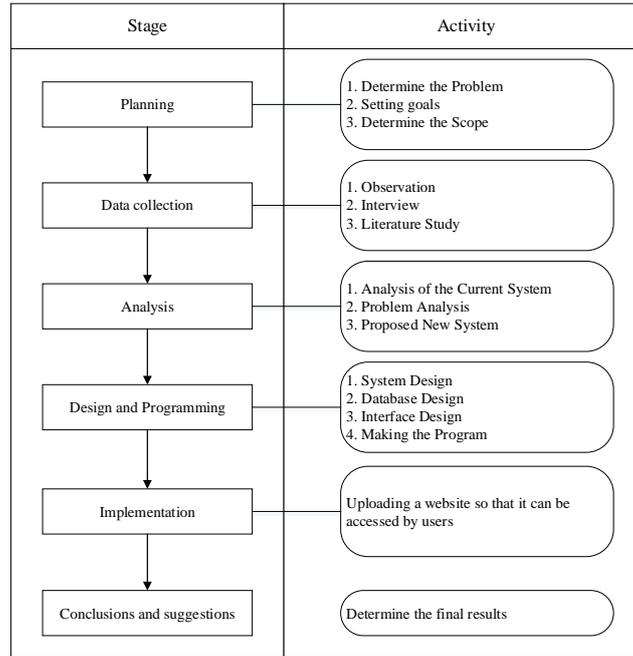


Figure 1. Stages Research

Planning is the first step in the manufacturing process of this study, while planning that has been divided into several parts as below:

Locate and define the problem being faced by interviewing relevant parties with the object of research in which then used the material to be studied in Pekanbaru Kesbangpol office.

Determining the research objectives, in order to research more focused clearly, so that later can achieve the benefits diinginkan. Menentukan scope of the research is intended that the following discussion is not meluas. Tahap data collection, the data collected is required to facilitate researchers conducted the study. The activities will be carried out at this stage are as follows: Researchers directly spaciousness or point of research to observe and analyze things or data concerned with what is required of researchers by visiting the office to the City Kesbangpol Pekanbaru. Peneliti conducting interviews with sources who will can provide information such problems being faced and information about the system is running in Pekanbaru city Kesbangpol office.

Steps to be taken at this stage is as follows: Analysis of the current system to determine the advantages and disadvantages of the current system of Pekanbaru city Kesbangpol office so that later can be equipped with the new system, which will be built peneliti. Analisis permasalahan are the steps necessary for permasalahan know what's happening in the city of Pekanbaru Kesbangpol office during this time and determine the solution of the problems dihadapi. Di in this stage, made an explanation of the general description of the new system to be constructed so that it can fit the needs and problems faced.

Here are the stages of design and programming system, the activities carried out are among others: Represents the steps taken to make the shape of the design of the system being designed. The design of these applications will use the UML made in the form of a diagram. Diagrams that will be made are diagrams that represent how the processes in the system it is running, the use case diagrams, sequence diagrams, activity diagrams and class diagrams. The design interface is made simple and easy to understand by the user, by determining the page layout and menus along with form filling to be constructed in such a way. Applications to be built is web-based, using the programming language PHP and MySQL database that will be created by the application editor Sublime Text 3. 0 and using CI Framework (CodeIgniter) in order to facilitate the work. Implementation of the system is a development of the system design stage. This stage is the stage that determines the development of the system are made, so it will be known to the system are made really able to achieve the expected goals. The conclusion is the end result of research that was formulated based on the data that has been collected, and run

in line with the formulation of problems and troubleshooting steps that have been defined at the beginning.

While the proposals contain suggestions for the researchers considered that the existing problems can be solved with a better system in the future. The location of this research is done in the office of the National Unity and Politics (Kesbangpol) Pekanbaru City and were initiated in September 2018 until January 26th 2019.

3.1 Data collection technique

Primary Data

Primary data is data obtained or collected directly from the data source. Data obtained in the form of direct observation in the office Kesbangpol and an interview with Mr. Zulkifli, S.Pt., MH and Mr Maisisco, S. Sos., M.Sc.

Secondary Data

Secondary data is data obtained through the data which has been researched and compiled by other parties related to research problems. Secondary data author got from the book that the author read and journal writers get from the internet that the authors make the material for the basic theory.

Field Study

a. Observation

This technique dilkauan direct observations on Kesbangpol employees, and the communities that have relevance to Kesbangpol.

b. Interview

This technique is performed in order to obtain the required data or information by means of direct interview with Kesbangpol

3.2 Methods Used

Prototype

Prototype method is a method of rapid development and testing of the new application model which is made through a process of interaction and repetitive. In the prototype model, the resulting software will be presented to the buyer / client, who will be given the opportunity to give a criticism of the software that has been made, so that the software will be developed in accordance with the wishes and needs of the client. The process of changing the system can be done multiple times, so that later reached an agreement on the form of software that is made.

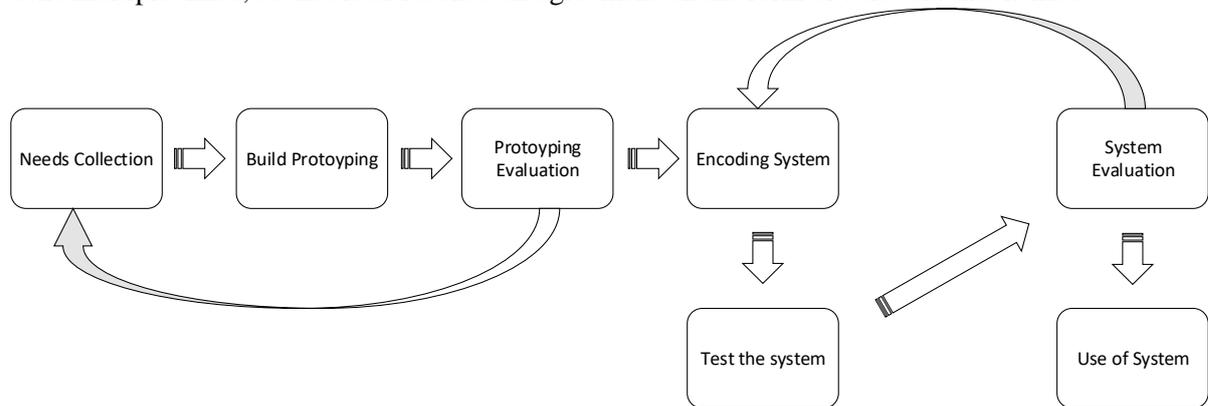


Figure 2. Prototyping Model

a. Collecting Supplies

Client and researchers together to define the shape of the software to be created, identifying the needs of the system being designed.

b. Build Prototype / Prototyping

Creating a prototype to create a design that focuses on the presentation to the customer.

c. Evaluation Prototyping

This phase is done by the customer, whether a prototype is made in conformity with the wishes and needs of customers. If not appropriate, the system will be improved by repeating the previous steps. And if it is appropriate, it can proceed to the next step

d. The System Encodes

At this stage the system that has been agreed is made into the appropriate programming language.

e. System Test

At this stage, after the system becomes a ready-made software, the software must be tested before use. It is useful to be able to meminimalisirkan errors in the software.

f. Evaluation System

At this stage the customer / client evaluate the system that has been made. If not appropriate as well, the researchers will repeat from step D and E. And if so, then it will proceed to step 7.

g. Using the System

Software / Software that has been tested and received by the client / customer is ready to use.

Analysis System Running

Analysis of the current system is an early feature of the system that is currently used in Kesbangpol :

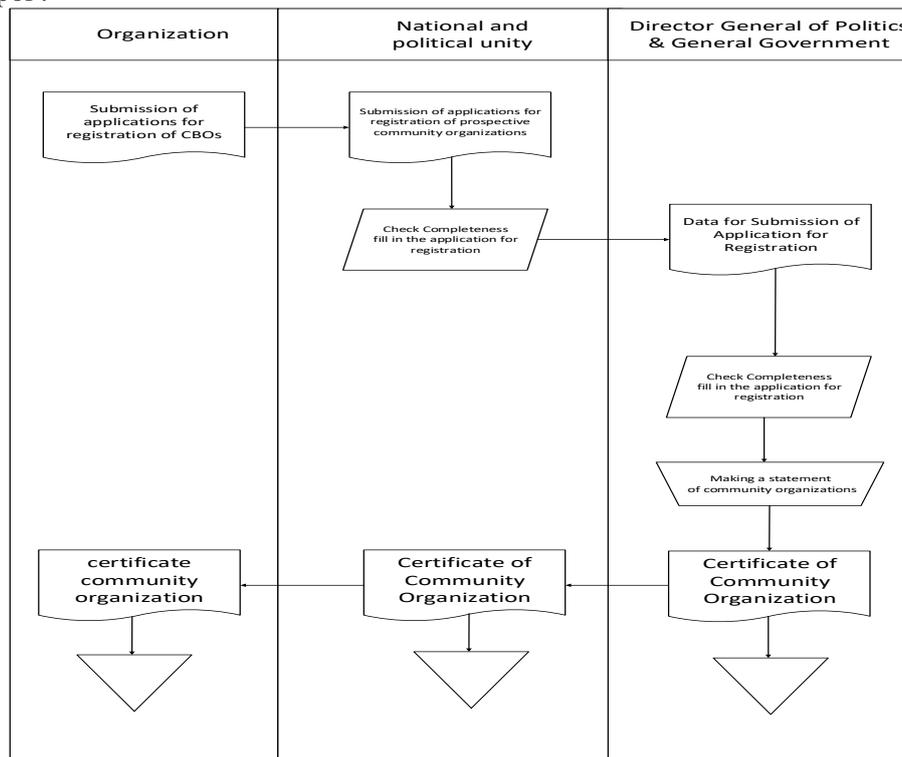


Figure 3. Registration and Renewal ASI SKT Organizations

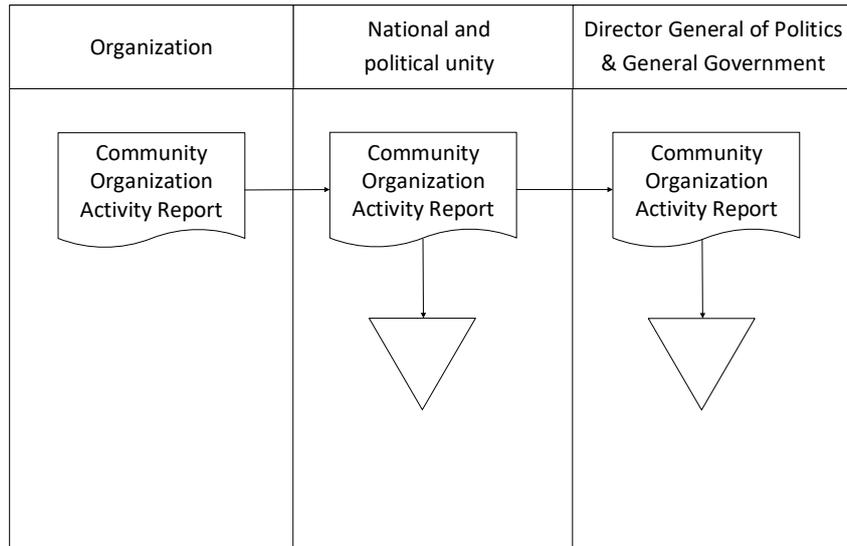


Figure 4. ASI ORMAS Work Permits

4. RESEARCH RESULTS AND DISCUSSION

4.1 Display Home

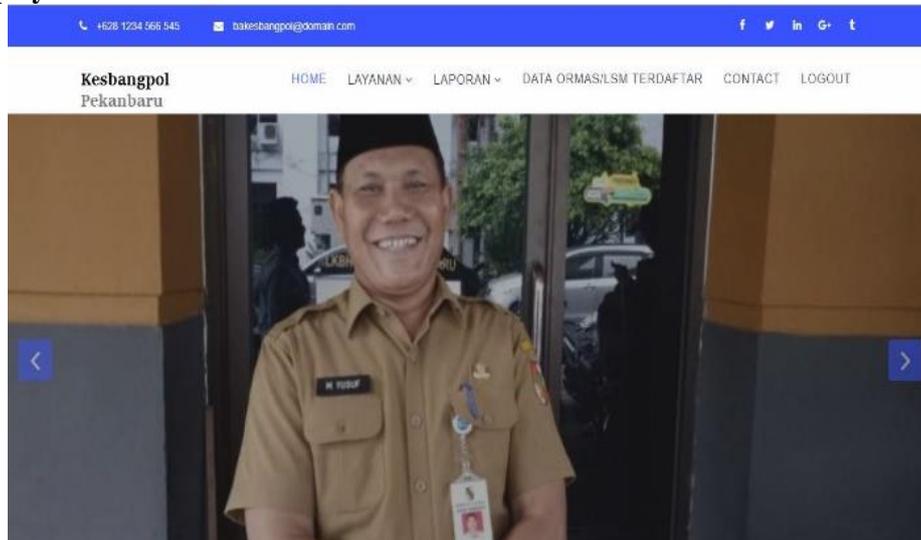


Figure 5. Home Page

4.2 Display Explanation Page Registration & Renewal certificate

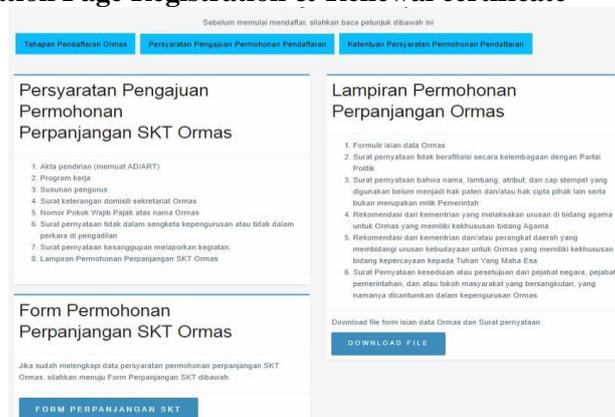


Figure 6. Explanation Page Views

4.3 Display Registration Form

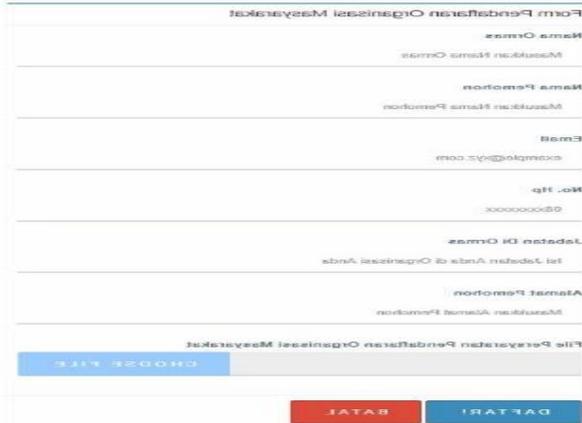


Figure 7. Certificate Organizations Registration Form

4.4 Display Extension Form

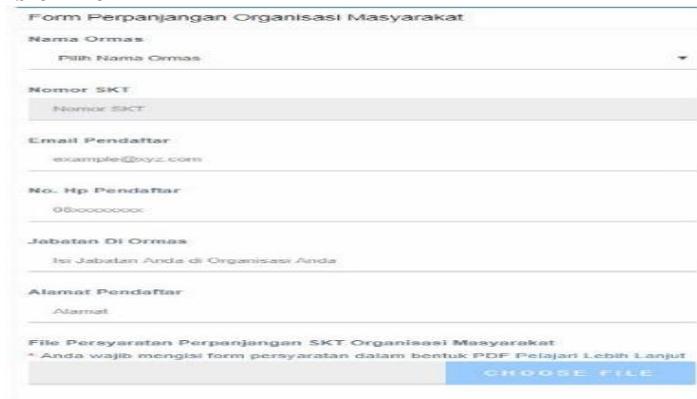


Figure 8. Extension Form SKT

4.5 Display Home Admin

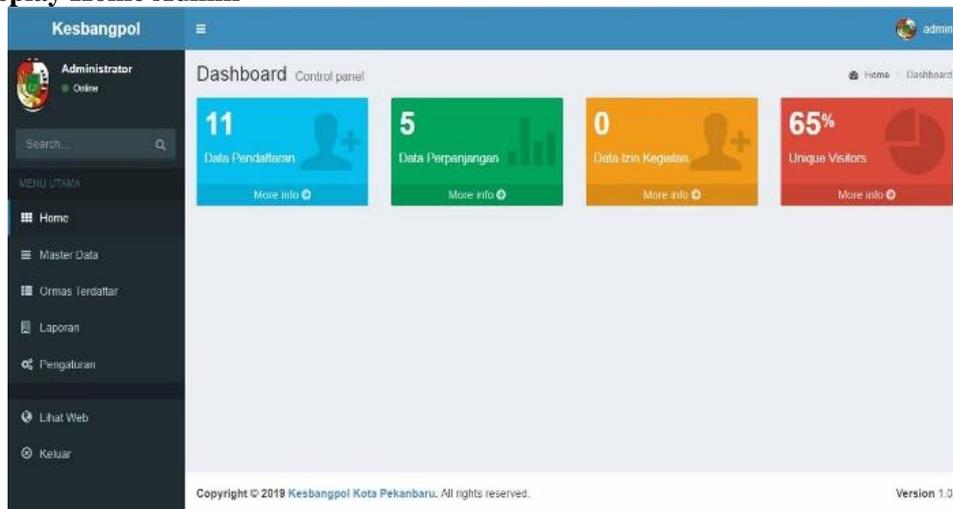


Figure 9. Admin page

4.6 Data Page Display Admission (Unprocessed)

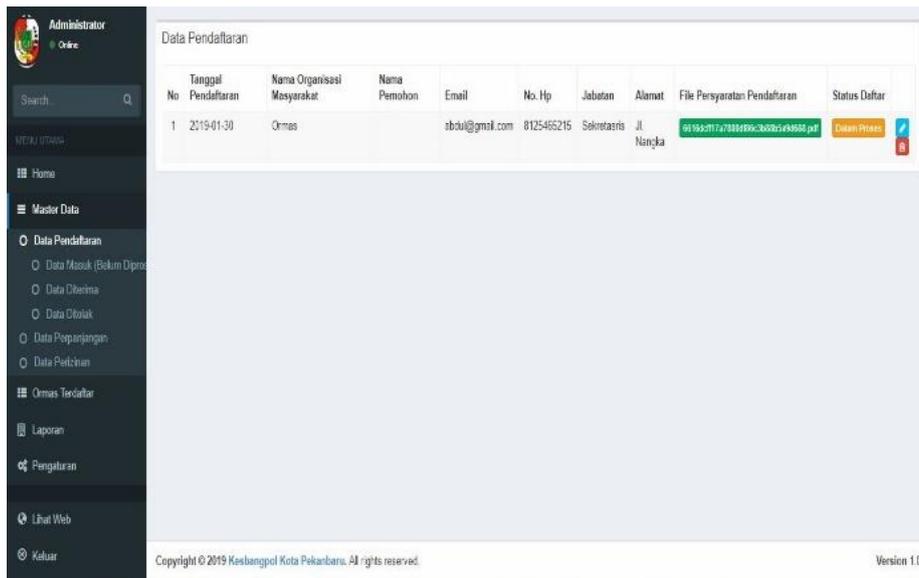


Figure 10. Weather Data Registration

4.7 Display Check Register

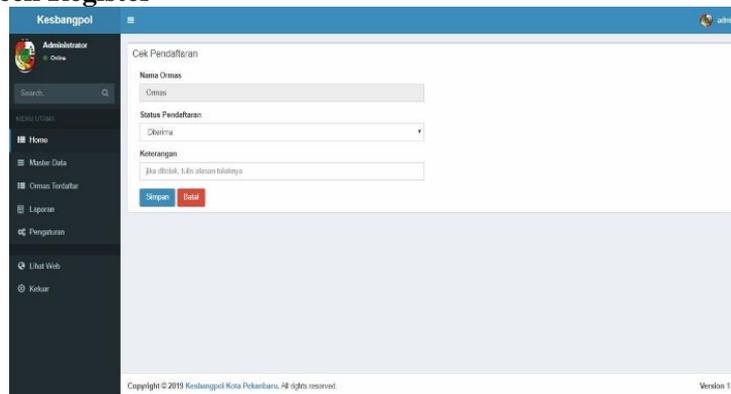


Figure 11. Weather Check List

5. CONCLUSIONS

Online Licensing Information System can help the licensing process and public services that are more directed at the acceleration of smartcity Pekanbaru. And also a forum as an excellent service from the government to community organizations

From this research, it was suggested that, among others, that the development of licensing applications be made and developed again with a visit from the licensing web visitors, it is expected that with this licensing system can help optimally to community organizations to register their mass organizations to government official institutions. With this new system, it can make it easier for the community to register CSO CSOs and CSO Extension SKT, and simplify the reporting process of CSO activities. This computerized system is made as simple as possible so that it can be easily accessed and used by the community, community organization and other parties

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