IMPROVING KPPS PERFORMANCE IN RECAPITULATING VOTE COUNTS USING THE SIREKAP PILKADA MOBILE APPLICATION

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Abstract

KPU continues to innovate in improving efficiency and transparency in organizing Pilkada. One of the steps taken is the implementation of the Sirekap Pilkada Mobile application for KPPS. This research aims to analyze and create transparent elections. With a qualitative approach, this research uses secondary data from several relevant sources. Sirekap Pilkada Mobile is an information technology-based application designed to facilitate the recapitulation of vote count results in Pilkada. This application utilizes Optical Character Recognition (OCR) technology to recognize and convert handwriting on the C Plano form into numerical data. This application aims to simplify the vote recapitulation process and accelerate the delivery of election results digitally. With access via Android devices, Sirekap Pilkada Mobile allows KPPS officers as application users to document vote count results quickly and accurately. In addition, this application also provides a data verification feature to ensure accuracy before the data is sent to the server. The results of vote counting can be monitored in real-time by the public, thus increasing transparency and openness in the election process. In using electronic information system tools at the stage of recapitulating the results of the vote count is a stage of recapitulating the results of the vote count that is honest, open, effective, efficient and accountable.

Keywords: *KPU, KPPS, Sirekap Pilkada Mobile*

Abstrak

KPU terus berinovasi dalam meningkatkan efisiensi dan transparansi dalam penyelenggaraan Pilkada. Salah satu langkah yang diambil yaitu penerapan aplikasi Sirekap Pilkada *Mobile* untuk KPPS. Penelitian ini bertujuan untuk menganalisis dan menciptakan Pilkada yang transparan. Dengan pendekatan kualitatif, penelitian ini menggunakan data sekunder dari beberapa sumber yang relevan. Sirekap Pilkada *Mobile* adalah aplikasi berbasis teknologi informasi yang dirancang untuk memfasilitasi rekapitulasi hasil penghitungan suara dalam Pilkada. Aplikasi ini memanfaatkan teknologi Optical Character Recognition (OCR) untuk mengenali dan mengubah tulisan tangan pada formulir C Plano menjadi data numerik. Aplikasi ini bertujuan untuk mempermudah proses rekapitulasi suara serta mempercepat penyampaian hasil pemilihan secara digital. Dengan akses melalui perangkat Android, Sirekap Pilkada Mobile memungkinkan petugas KPPS untuk mendokumentasikan hasil penghitungan suara secara cepat dan akurat. Selain itu, aplikasi ini juga menyediakan fitur verifikasi data untuk memastikan keakuratan sebelum data dikirim ke server. Hasil penghitungan suara dapat dipantau secara real-time oleh publik, sehingga meningkatkan transparansi dan keterbukaan dalam proses pemilihan. Dalam menggunakan alat bantu sistem informasi elektronik pada tahapan rekapitulasi hasil penghitungan perolehan suara merupakan tahapan rekapitulasi hasil penghitungan perolehan suara yang jujur, terbuka, efektif, efisien dan akuntabel.

Kata Kunci: KPU, KPPS, Sirekap Pilkada Mobile

A. INTRODUCTION

KPU still feels that it takes too long to obtain Recapitulation Data to be published to the public and also facilitate the KPPS in terms of recapitulating C Plano, KPU made an application called Sirekap Pilkada Mobile. Sirekap Pilkada Mobile is an information technology-based application designed to facilitate the recapitulation of vote count results in Pilkada. This application utilizes Optical Character Recognition (OCR) technology to recognize and convert handwriting on the C Plano form into numerical data.

In the use of the Sirekap Pilkada Mobile application, there are several problems that occur during the KPPS data verification process, namely many errors in filling in personal data and for the device itself is required to use Android, and other problems for the application itself, namely the signal that is required to use Wi-Fi to use the application smoothly and also server problems that when used simultaneously usually the application becomes server down.

To solve problems that occur such as personal data filling errors, the KPU urges all KPPS members to fill in their personal data correctly and assigns PPS to check whether the KPPS members' data has been filled in correctly. In terms of the device itself, the KPU makes an application in the Appstore so that the application can run on iOS devices, not only on Android devices. Regarding the signal, the KPU makes a system or feature so that it can run when in offline mode so that later application users who are difficult to get a signal can use it properly without being constrained by a bad network. And for the server down problem, the KPU will immediately improve the server system so that it can be used simultaneously.

B. IMPLEMENTATION AND METHOD

The MBKM program is a program launched by the Minister of Education and Culture of the Republic of Indonesia, Nadiem Anwar Makarim, B.A., M.B.A. which aims to encourage students to master various sciences to prepare them to enter the world of work. In addition, the MBKM program was also launched in order to prepare higher education graduates who are resilient in the face of change. In this case, the Internship participants carry out Internship activities to convert courses according to the MBKM Internship program procedures.

Internship activities were carried out at the Banyumas Regency KPU office located on Jalan H.M. Bahrun, Berkoh, South Purwokerto District, Banyumas Regency. Internship activities lasted for 4 months, starting on August 19, 2024 to December 18, 2024. Work activities at KPU Banyumas, namely 5 working days starting from Monday-Thursday at 07.30-16.00 to Friday at 07.30-16.30, and if Saturday and Sunday there is an activity or event, interns are required to leave if needed.

Days	Working Hours	Description
Monday – Thursday	07.30 – 12.00	
	12.00 – 13.00	Istirahat
	13.00 – 16.00	
Friday	07.30 – 12.00	
	11.00 – 13.00	Istirahat
	13.00 – 16.30	

Table 1. Internship operating hours

Figure 1. training to PPK and PPS in vote count recapitulation

During the Internship activities, the author applies the knowledge gained during the lecture period, for example archiving material. The author gets the opportunity to work on archiving where the documents needed for Pilkada are collected into Google Drive and then download the document and put it into the digital archive folder in the KPU. The author also applies other materials such as Public Speaking which is implemented by conducting public services, Information Technology Application material is implemented by managing the JDIH website where there are General Election Commission Regulations and General Election Commission Decisions, the author updates or adds new General Election Commission Regulations and General Election Commission Decisions Decisions, besides that it also applies material with various existing work practices.

C. RESULTS AND DICUSSION

The use of the Sirekap Pilkada Mobile application has a major effect in improving the performance of KPPS as it is in time efficiency and can also minimize an error that occurs, in the process of recapitulating the vote count which previously took a long time and errors often occurred, can now be resolved quickly and accurately with the Sirekap Pilkada Mobile. In this study found several problems that affect the recapitulation process, namely:

1. KPPS biodata is not accurate

   This error often occurs during the initial registration process where data such as NIK, name, or address entered does not match the data on the KTP, this causes problems when the application requests data verification. To minimize these errors, monitoring from the PPS is needed and reminding application users to fill in their data correctly, this is necessary so that the application user data reaches the KPU with the correct data conditions and there are no problems.

2. Unstable connection

When using the Sirekap Pilkada Mobile application, it is required to have a good and stable signal, in this case it is recommended to use wi-fi and only be used by the application user without any other devices connected to the same wi-fi. In the case of areas that are constrained by difficulty getting a signal, the Sirekap Pilkada Mobile application can now be used offline, namely by using “airplane mode”, so that the application can still be used even though it is constrained by a signal.

3. Server down when used simultaneously

On servers that can experience server down when used simultaneously, in this case it is recommended to store all the necessary documentation in the device gallery of each user of the Sirekap Pilkada Mobile application so that each application user has a back up of the documentation data.

4. Device Compability

In this Device problem, the Sirekap Pilkada Mobile application can only be used through an android device and many application users are still using devices with low specifications which cause the application to run slower and crash frequently. In this case, it should be noted to application users to use adequate devices so as not to hinder the smooth running of application users..

The use of applications that are not yet smooth indicates the need for more intensive training. Application users need to be given clear guidelines, in this case the PPS plays an important role in conducting direct supervision to ensure application users operate the Sirekap Pilkada Mobile application correctly.

To improve the performance of the Sirekap Pilkada Mobile application, periodic evaluations must be carried out. Every problem that occurs in operating the application can be used as material for development in improving application performance in the future.

The Sirekap Pilkada Mobile application is very effective in increasing the efficiency of time used in the vote count recapitulation process which previously took a long time and this application also minimizes data input errors that commonly occur in manual processes.

In using the Sirekap Pilkada Mobile application, there are also several obstacles such as limited internet access in certain areas that hinder the data transmission process. Some KPPS also have difficulty operating the application because they are not used to using technology. This requires training to KPPS so that they can operate properly.

D. CLOSING

Conclusions

Improving KPPS performance by using the Sirekap Pilkada Mobile

application in recapitulating vote counts requires special attention to various existing problems, ranging from KPPS biodata, signal quality, to the devices used. Obstacles such as the problem of limited internet access in certain areas that hinder the process of sending data. Some KPPS also experienced difficulties in operating the application because they were not used to using technology. Improvements in these problems will facilitate the implementation of vote count recapitulation, reduce errors, and minimize technical disturbances that can hinder fast and accurate election results. It is hoped that this application can function optimally to support transparency and accountability in Indonesian elections.

Suggestion

In this case, the author suggests the Sirekap Mobile application to immediately overcome the server down problem when used simultaneously so that application users can be faster and more accurate in the process of uploading documentation. As for application users, the author suggests learning the Sirekap Pilkada Mobile application well so that no errors occur, besides that application users must increase practice in uploading documentation in order to maximize documentation results.

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