

Determination of Development Priority through E-Government Applications in the City of Serang

Dewi Kurniasih,
Hery Dwi Yulianto
dekur010575@yahoo.com
denderpete@yahoo.com

Abstract

It is necessary to develop priorities. A rational budget allocation should be based on the principle of value for money. The research question is how make determination of development priority through e-Government applications? The methods used in the preparation of priority development activities are descriptive exploratory. Sispro Serang is an information system that utilizes information and communication technology to facilitate setting priorities of development activities in the city of Serang. The initial assessment starts from phase to determine criteria for assessment activities. Assessment components used in the assessment stage are: (1) The Results of Community Satisfaction Survey (SKM), (2) The Results of Development Planning Meeting (Musrenbang), (3) The Summary of the reasoning of the Board, (4) The Relationship to the Human Development Index (HDI), (5) The Compliance with the Medium Term Development Plan (RPJMD). The conclusion reached is setting priorities in the development activity of Serang should be based on the aspirations and participation of the people.

Keywords: Priority, Scale, Development, Application, e-Government.

1. Introduction

Autonomy will be associated with the financial capacity of each area. Therefore, it is necessary to develop priorities. Setting priorities is not determined by the value of each item but oriented towards the desired outputs and outcomes. That is, a rational budget allocation should be based on the principle of value for money. The formulation of priority program and policy of development activities is intended to get the technical terms of reference in order to implement more targeted development in accordance with the vision and mission of the city of Serang.

2. Methodology

The methods used in the preparation of priority development activities are descriptive exploratory. This priority seeks to explore existing data from the bottom-up planning in Serang city, which in turn is used as material to make a priority assessment of development activities in the city of Serang.

Table 1 shows the mechanism of setting priorities in development activities in Serang. The initial assessment starts from phase to determine criteria for assessment activities. There are five activity criteria. The selection of the five criteria is based on interviews with several parties involved and the availability of data and other materials. Assessment components used in the assessment stage are:

- (1) The Results of Community Satisfaction Survey (SKM),
- (2) The Results of Development Planning Meeting (Musrenbang),
- (3) The Summary of the reasoning of the Board,
- (4) The Relationship to the Human Development Index (HDI),
- (5) The Compliance with the Medium Term Development Plan (RPJMD).

Each component of the assessment is divided into several categories or assessment criteria. The components as well as the assessment criteria are then given weight rating. The determination of the weight rating is done through discussions between the directly related parties. Here is a table that shows the weighting value for each component of the assessment and the assessment criteria.

Tabel 1: The Weight Assessment of Priority Component of Serang Development

NO	KOMPONEN PENILAIAN	BOBOT %
1	SKM	30
2	Musrenbang	25
3	Pokok-pokok Pikiran Dewan	20
4	IPM	15
5	RPKMD	10
Jumlah		100

The unit of analysis in these activities include: Whole Unit of Serang Regional Government, the Regional Representatives Council (DPRD) and the people of Serang.

3. Result

Globalization which is characterized by the development of science and technology especially in the field of Information and Communication makes the world becomes transparent, as if an area with knowing no boundaries within the State. As well as the information, the administration also requires the influence of technology because through this technology the orderly administration can be organized well. Advances in information technology in supporting various activities including setting priorities of development activities are demands that cannot be ignored. Regard to this matter, to simplify the administration of priority development activities, it is necessary to build Integrated Priority Information Systems (Sispro) to realize the Data Base of development activities.

Based on the above, the definition of Sispro Serang is an information system that utilizes information and communication technology to facilitate setting priorities of development activities in the city of Serang.

1. Software Installation

The Installation process is carried out when the CD SISPRO is run in the computer, the process of installation is following the installer application steps, which is:



Figure 1: Aplikasi Installer

- a. The first step Install Server on this option will run the file xampp-win32-1.7.2.exe, when the file xampp-win32-1.7.2.exe is installed there are some application packages such as web servers package, database servers and others. When the button is clicked the server window will appear as follows.
 - Appears XAMPP windows .. click install (for Destination Folder can be directed according to the desired drive but the default is on drive C: \)



Figure 2: Windows Xampp

- Upon completion windows will appear, click 'enter' until the window below appears. Choose "x" enter

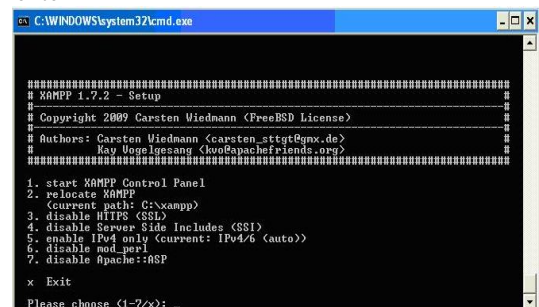


Figure 3: Xampp Windows Command

- To activate XAMPP .. select: Start -> All programs -> xampp for windows -> xampp control panel. Check list svc apache, mysql and then click Start (if it is running, it means the server is on) the next thing is 'exit'.

Figure 4: Xampp Control Panel

- To ensure that the program was implemented. Open the Internet Explorer or Mozilla Firefox or another, fill the url with address : <http://localhost>. It will look like under the display window above and it indicates that the server is running.



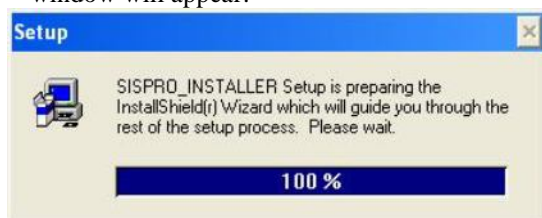
Figure 5: Test Server Xampp

- b. Second step is to extract database. In this option the database will be built together with examples of data. The database extract process by default will be extracted to the folder "c: \ xampp \ mysql \ data" according to the default extract Xampp server. When the data base button is clicked the window will appear as below:
 - the database extract window will appear.. click **Install**



Picture 6: Ekstrak Database

- Wait for a moment until the database extract process is completed.
- c. The third step is the installation of Application Server, in this option will run the setup.exe file, this file will run the desktop version of the application priority. This application will be used on the server computer, when the server application button is clicked the following window will appear:



Picture 7: Setup SiSPRO 1



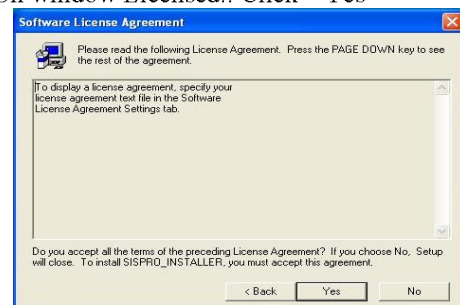
Picture 8: Setup SISPRO 2

- Window SISPRO Installer will appear.. click next 2x



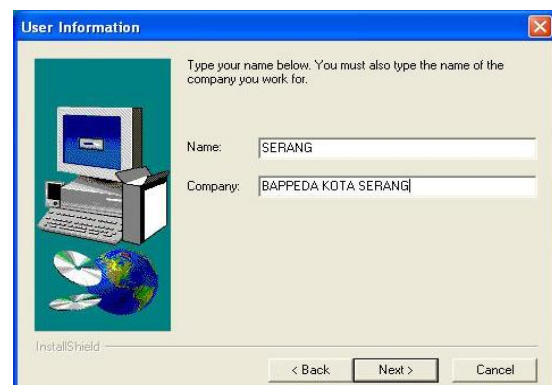
Picture 9: Setup SISPRO 3

- On window Licensed.. Click "Yes"



Picture10: Licensed Setup SISPRO

- On windows fill in user name and Institute .. Click "Next"



Picture 11: User Information

- On windows *destination location* to determine installment location SISPRO, it will be installed by default in the folder **C:\Program Files\SISPRO..** click Next

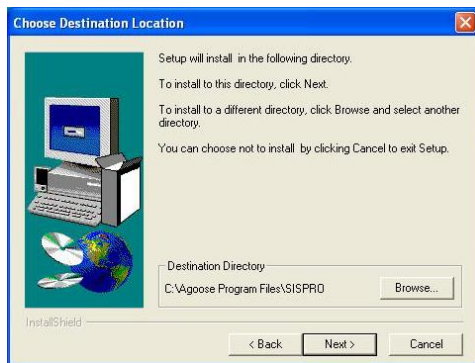


Figure 12: Folder Destination Location

- On window Setup Type choose *Typical*..click next 3x

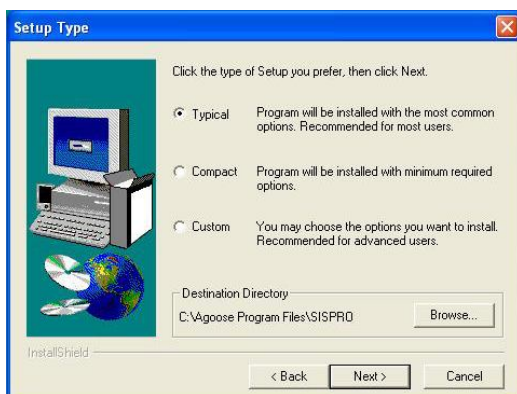


Figure 13: Setup Type



Picture14: Select Program Folder

- On windows setup complete.. click Finish, in this process, the installation of SISPRO application desktop version is completed.

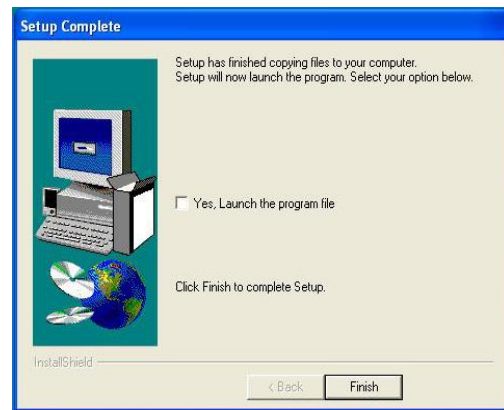
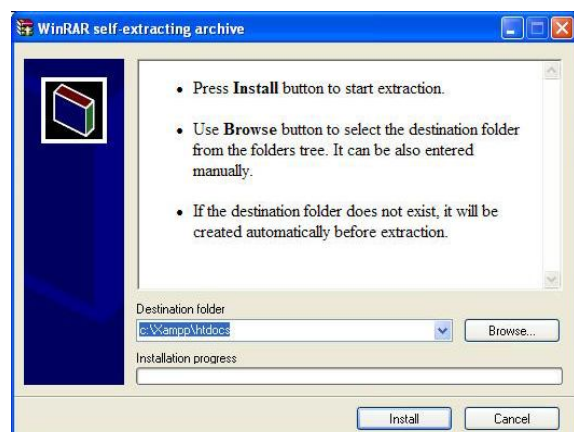


Figure 15: Setup Complete

d. The final step is Extract Client Application. In this option the application for the client in web version will be extracted. The application extract process by default will be extracted in the folder "c: \ Xampp \ htdocs" in accordance with the extract default Xampp server. When the button of the client application is clicked window will appear as follows:

- Windows database extract will appear.. click "install"



Picture 16: The Extract of Client Application

Wait for a moment until The Extract of Client Application is completed



Figure 17: Menu Program

2. DESKTOP VERSION SISPRO

Desktop version SISPRO program is a priority application program installed on the server. This application is used to make a priority in accordance with the proposed activities of each SKPD. Each of the proposed SKPD activities will be prioritized in accordance with the relevance of IPM, RPJMD, MUSRENBANG, POKOK PIKIRAN DEWAN,

SKM. When this program is run it will come in several stages:

a. Form Database Connection

This form is used to connect the program with the database, by default the connection is setup with the: database name **prioritas**, hostname **localhost**, connection port **3306**, user name **root**, password **blank**.

Figure 18: Koneksi Database

Once the Database Connection form appears, press the **OK** button to continue, then the main form will appear.

b. Form Main Menu

On the main menu display there are some buttons to choose: the **Login** button, **Exit** button and **Help** menu.

Picture 19: Form Utama

c. Login

Login form is used to enter the program menu SISPRO application, in the user login process, there are two users, Administrator and Operator. Administrator user has the authority to add user data administrator, operator and user client.

- User client is SKPD as a proposer of user activity program, the client user will access the application through a web version sispro application using a browser.

- Operator user is the user who input the main data including SKPD data, activities program, Assessment indicator, Indicators Weighting

value, check the relation of the indicator value with the proposed activities'

- Administrator is a user who input user data, password and the program access.
- The administrator by default has the user name "admin" and password "administrator". The operator user by default has user name "Serang" and password "kotaserang". While the client user will be made by the administrator with the privileges in accordance with the SKPD's respective codes.

Picture 20: Form Login

The first step to using this application is to change the administrator user and operator with the login user and password default. The next step is to login as operator and fill in the data on the Master menu, the menu will contain the sub menu of SKPD programs and activities.

d. Function Button

Each form has the same primary key functions among which the **Add Data**, **Save Data**, **Update Data**, **Delete Data** and **Exit**. While an additional button that is the navigator key to navigate to the beginning of the data record, **Continue**, **Return** and **Last**. Key function s can be seen in the image below:

Picture 21: Primary Key Functions

The left button on the image, there are several buttons that function that is **Add Data**, **Update Data**, **Delete** and **Exit**. Whereas on the right side of the button functions are **Save Data** button, this

button works if the **Add Data** and **Update Data** are clicked.



Picture 22: Navigator Button

e. Master → SKPD

The Menu Master → SKPD is the form for the user to input data client, the SKPD user is the user who will input the proposed program or activity in accordance with the plans of SKPD user in accordance with the their respective activities program of Serang city. Here is the view of form SKPD

Figure 23: Form SKPD

f. Master → Activity Program

Menu Master → Activity Program is a form to input the data of development activity program of Serang. There are 3 tabs in this form, namely Affairs Division, Program Activities and Events List. Before Users input data on the form of the activity program, they have to fill the data on the Affairs Division, then on the Activity Program, and the last on the Activity List.

With data entry Program, then each SKPD may submit proposals in accordance with the Development Program of Serang. Here is Form Program Activities

Picture24: Form of Activity Program

The next stage is the creation of user client, for the creation of user client, the operator must first log out and then log in as an administrator and create a user client in accordance with their respective authority of SKPD.

g. User → Administrator

Menu User → Administrator is the user form to enter data, for user data, there are 3 parts of data users, namely administrator, operator and SKPD. Display Administrator form can be seen in the following figure:

Figure 25: Form Administrator

Once the process of making the client user is complete, then each SKPD can make proposals through web version SISPRO program. The user must login with a user name which has been granted by the Administrator.

h. Assessment Indicator

Assessment Indicator is an indicator for priority delivery of the proposed activities. In granting priorities, there are several indicators that must be inputted, namely:

- IPM
- RPJMD
- MUSRENBANG
- POKPIK DEWAN
- SKM

Assessment priorities will be preceded by charging indicator IPM, RPJMD, MUSRENBANG, POKPIK DEWAN and SKM. Assessment indicators display form shown in the following figure:

Figure 26: Form IPM

Figure 27: Form RPJMD

Figure 28: Form MUSRENBANG

Figure 29: Form POKPIK DEWAN

Figure 30: Form Survei Kebutuhan Masyarakat

After filling the form assessment indicators, the next step is weighting the priority scale.

i. The Weight Assessment

Weighting Priority value is used to give weighted value of each indicator. Weighted priority value will be filled by the operator. The following is a form display of the weight Rating Indicator:

Figure 31: Form Bobot Penilaian Indikator

j. Assessment

Assessment is the process of giving priority of the proposed activity. Here is a view of the proposed activities assessment form:

Figure 32: Form Penilaian Usulan Kegiatan

The steps for assigning weights to the value of priority are:

- Incorporating the proposed activities to be assessed
- Choosing the proposals SKPD to be assessed

After the two steps above done, then the Proposed Activity Table List will be sorted automatically. Furthermore an election operator proposes activities to be assessed, if there is a connection with the proposed activities IPM, RPJMD, MUSRENBANG, POKPIK BOARD and Community Needs Survey, the linkage checkbox is automatically selected. To see the connection between the proposed activities with the assessment indicators, the operator should look at re-value of each indicator and make a selection on the checkbox again.

Proposed activities that are suitable are kept back by pressing the update button. Proposals that have been graded automatically will not reappear on the table of proposed activities list.

k. Report

The report is the final stage of the activities giving priority, the resulting report is

- PRIORITY
- Indicator Value

Priority reports are statements of each of the proposed activities SKPD and has received priority. Display priority report form and report under the priority shown in the following figure:

Figure 33: Form Cetak Penilaian Skala Prioritas

Print form above display is divided into three parts, namely print priority assessment based on:

- Overall Data Proposal
- Affairs Activities
- SKPD

When it is printed, the report will be like what is displayed below :

Figure 34: Laporan Penilaian Skala Prioritas

Value Indicators report is a indicator data report that has been stored, the indicator report display print form is as follow:

Figure 35: Form Cetak Indikator Penilaian

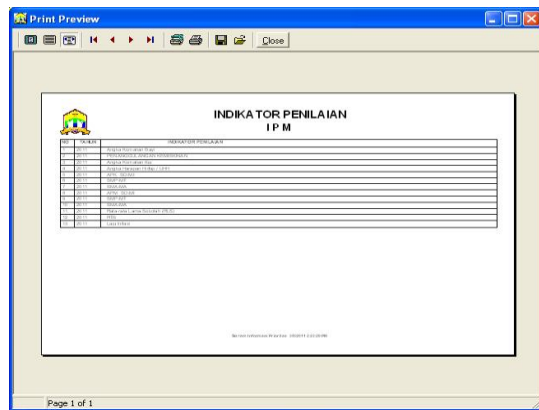


Figure 36: Indikator Penilaian

1. assistance

Assistance is a final menu of application priority, sub menus of assistance are:

- License
- Handbook

License is given the right to BAPPEDA Serang city, while the book is the use of help for this application. The Licence of application Priority is like:



Figure 37: Form SISPRO Software Lisensi

3. WEB VERSION SISPRO

Web version SISPRO Program is a priority application program installed on the server and run through a web browser. This application is used to make activity proposals from each SKPD, every SKPD that will run this application must log in first on the structure of the menu shown above. The main view of the priority application web version is as follow:



Figure 38: Main Menu Web Version

Running this application requires several steps, which is:

a. Login

Login is a first step to make an activity proposal, every user who wants to log in will get a username and password from the administrator. The following is the view of log-in page:



Figure 39: Login Page

After doing the log in, if the user name and the password correspond, the user will go to the main page with several additional buttons, namely:

- Changing User
- Activity Proposal
- Proposed Data
- Logout



Figure 40: Successful Login Page

a. Changing User

Changing User Page is used to change username and password. This page is used to maintain user's security.



Figure 41: Changing User

b. Activity Proposal

This Activity Proposal Page is used for the user Halaman usul kegiatan digunakan untuk user or

by the SKPD to propose an activity. There are some steps to input a proposed activity, namely:

- adding proposed year
- choosing proposed program

After the steps are accomplished, press processing activity program button. The page will turn to Proposed Activity phase two.

Figure 42: Initial Proposed Activity Page

In this phase, the user can choose a proposed activity. To make a choice of proposed activity, there are several steps to be done. They are:

- choosing the checkbox of the proposed activity
- inserting target achievement of the activities that will be proposed in the description
- Putting the achievement of targets such as units, up, % etc.
- Adding Value achievement of these activities
- Put the budget in accordance with the proposed activities

Having imported activities with the steps above, then the last stage is pressing the save button. The following is the advanced proposals page view:

Figure 43: Advanced Proposed Activity View

c. The Proposed Data

Data proposal page contains proposal of the data that has been entered, on this page the user can perform the data conversion or cancellation of the proposed proposal.

Figure 44: Halaman Usulan Kegiatan

To change the proposed data, the user can click the "change" button and then the user can make a change on the following page:

Figure 45: Halaman Ubah Usulan Kegiatan

The user can press the 'Delete' button to cancel the activity. Automatically both of the proposed data and the server data will be erased.

The user can choose a report on the web page or in the PDF form to see the result of proposed activity and click the 'result' button or print PDF afterwards. The PDF form report will be viewed as follow:

Figure 46: Laporan Data Usulan Kegiatan

5. Conclusions

Based on the above discussion, the conclusion reached is setting priorities in the development activity of Serang should be based on the aspirations and participation of the people. One effort to realize these expectations is to create a priority information system. This information system is expected to be one of the tools to determine the priority of development activities in the city of Serang. This system can be updated at any time tailored to the needs of priority in Serang.

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