

Implementing Swakelola III Framework of Open Data 1.0 at Diskominfo Bengkayang Regency and IT Department of Shanti Bhuana Institute

AZRIEL CHRISTIAN NURCAHYO¹, FITRIA ELVI², RIFQI HAMMAD³

¹Information Technology, Institut Shanti Bhuana

²Entrepreneurship, Institut Teknologi Keling Kumang

³Software Engineering, Universitas Bumigora

Email : azriel@shantibhuana.ac.id

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ABSTRACT

The implementation of information systems and technology within the scope of Government is now mandatory to adhere to a framework known as Swakelola. The framework necessitates that every system and technology project involving local community organizations or regencies should develop the existing human resources potential within the city. This also applies to the procurement of open data systems managed by the Department of Communications and Informatics of Bengkayang Regency, involving the IT Department of Shanti Bhuana Institute through direct appointment based on Type III (Swakelola). The creation of the Open Data system is named Open Data 1.0, aiming at facilitating the Regent in accessing data from the Regional Work Units in Bengkayang Regency for easier future monitoring. The Swakelola implementation involves various documents that are expected to assist other universities in establishing official collaborations with the Local Government for system development. The feedback from the collaboration on creating Open Data 1.0 obtained a satisfaction rating of 4.6 out of 5 from the Head of the IT Division and the Users of Diskominfo Bengkayang Regency.

Keywords: Swakelola, Open Data 1.0

1. INTRODUCTION

The presence of the Information Technology Study Program at Shanti Bhuana Institute, which has obtained an Excellent accreditation from LAMINFOKOM in 2022 since its establishment in 2020, has become one of the spearheads for the institution to make a real impact in the field of information technology in Bengkayang Regency (**Narwati 2023**). Since 2020, there has been a collaboration between Bengkayang Regency Government and Shanti Bhuana Institute for the procurement of goods and services as well as human resources empowerment to facilitate synergy in realizing a competent workforce in Bengkayang. One of the initiatives includes the project of developing the Bengkayang Regency website (**Mikola 2022**). The current governance of Local Government increasingly requires the presence of Information Technology, considering that the coverage of IT projects in IP-TIK Indonesia in 2021 was 5.76, an increase compared to 5.59 in 2020, on a scale of 0-10. It is predicted to continue to increase

as everything is undergoing a process of digitization from the central to regional levels. **(Direktorat Statistik Keuangan, Teknologi Informasi 2021)**. Technology is believed to provide efficiency for its users, including the use of information and communication technology (ICT) even in rural areas **(Sani et al. 2020)**. This also serves as an enhancement of the synergy in work programs between the central government, local government, and rural areas. This is also happening during the administration of Mr. Sebastianus Darwis, S.E., M.M., where the Department of Information and Communication Technology (Diskominfo), under the leadership of Head of Diskominfo, Mr. Aleksius, S.Sos., M.Si, emphasizes the importance of information technology infrastructure and data **(Maulana 2022)**. Until 2023, Bengkayang has undergone many positive changes, both in terms of optimizing human resources management and the need for infrastructure improvements in Information Technology to support transparency and enhance public services, especially in the education sector and other sectors **(Bengkayang 2023)**. The existence of Diskominfo itself is a Local Government Organization (Organisasi Perangkat Daerah) that handles the presence of Information Technology infrastructure in the Bengkayang Regency. It ensures the availability and efficient utilization of public information from the Local Government. Diskominfo functions as a Local Government Agency with primary tasks and functions in the fields of communication and informatics, statistics, and encryption **(Eriend, Defhany, and Edlina 2021)**. In its implementation, the Local Government, through Diskominfo, carries out IT governance. The need to apply IT as an aspect of implementation in government organizations has become a primary concern for every element within each local government **(Hanisch et al. 2023)**. The implementation of e-Government development is regulated by several laws and regulations in Indonesia, including Law Number 22 of 1999 concerning Local Government, Law Number 25 of 1999 concerning Financial Balance between the Central Government and Regional Governments, Law Number 36 of 1999 concerning Telecommunications, Presidential Regulation (Perpres) Number 95 of 2018 concerning the Electronic-Based Government System (SPBE), Ministry of Administrative and Bureaucratic Reform Regulation of the Republic of Indonesia Number 5 of 2018 regarding Guidelines for Evaluating the Electronic-Based Government System, and even up to the implementation of Smart City initiatives **(Tanaamah, Wijaya, and Maylinda 2021)**. In its implementation, the Local Government, through Diskominfo, can collaborate with relevant parties, with a preference for involving local community groups if feasible, as a self-managed implementation team. Referring to Bengkayang Regency, the infrastructure needs for Information Technology, such as the procurement of information systems, can be done through Swakelola III involving local community organizations or private universities in Bengkayang, specifically Shanti Bhua Institute through the Information Technology Study Program as experts, according to the requirements for the procurement of IT-based systems. Swakelola III is a framework for project implementation where the selection of project implementation teams by the Government is followed by Community Organizations, Private Universities, or Professional Organizations that are willing to participate, as outlined in Presidential Regulation Number 16 of 2018 concerning Government Procurement of Goods/Services and its amendments, along with the relevant implementing regulations **(Sadiqa 2022)**. In this community service, the implementation team is led by the author as the project leader from the private university in collaboration with the Bengkayang Regency Local Government through Swakelola III for the procurement of services for the Open Data 1.0 System, also known as the Data Analytic Room. The Data Analytic Room refers to a system built by the West Kalimantan Provincial Government under the leadership of Governor H. Sutarmidji, SH., M.Hum. The purpose of the Data Analytic Room is to provide a space for presenting development data as a basis for government planning and policy-making, as well as supporting decision-making by the leadership through a Decision Support System **(Afdal 2019)**. The Bengkayang Regency Government, through Diskominfo Kab. Bengkayang, has designed the Regional Budget (APBD) for the implementation of Open Data 1.0 in 2022, in

collaboration with Shanti Bhuana Institute through the Information Technology Study Program. The implementation has been carried out and is currently undergoing further development for the server. All community service activities in this regard adhere to and follow the guidelines of Type III Self-Management between the Bengkayang Regency Local Government and Shanti Bhuana Institute as a private university.

2. METHODS

This community service utilizes the Type III Self-Management framework from the perspective of the implementers, namely the Information Technology Study Program at Shanti Bhuana Institute, in collaboration with Diskominfo Bengkayang Regency for the procurement of Open Data 1.0, which consists of several components, including : Request for Swakelola III availability, Portfolio or Portfolio Form of the Implementing Party, Determination Letter for Swakelola III Implementation, Decision Letter for Swakelola III Implementation by the University to the Implementation Team, Proposal and Budget Plan as the key for activity procurement and budget determination, Contract Agreement, Appendix 1: Open Data 1.0 System, Appendix 2: Initial, Midterm, and Final Reports/Evaluations Appendix 3: Tax Withholding Proof for PPn and PPh 23.

The implementation model can be seen in Figure 1 as follows :

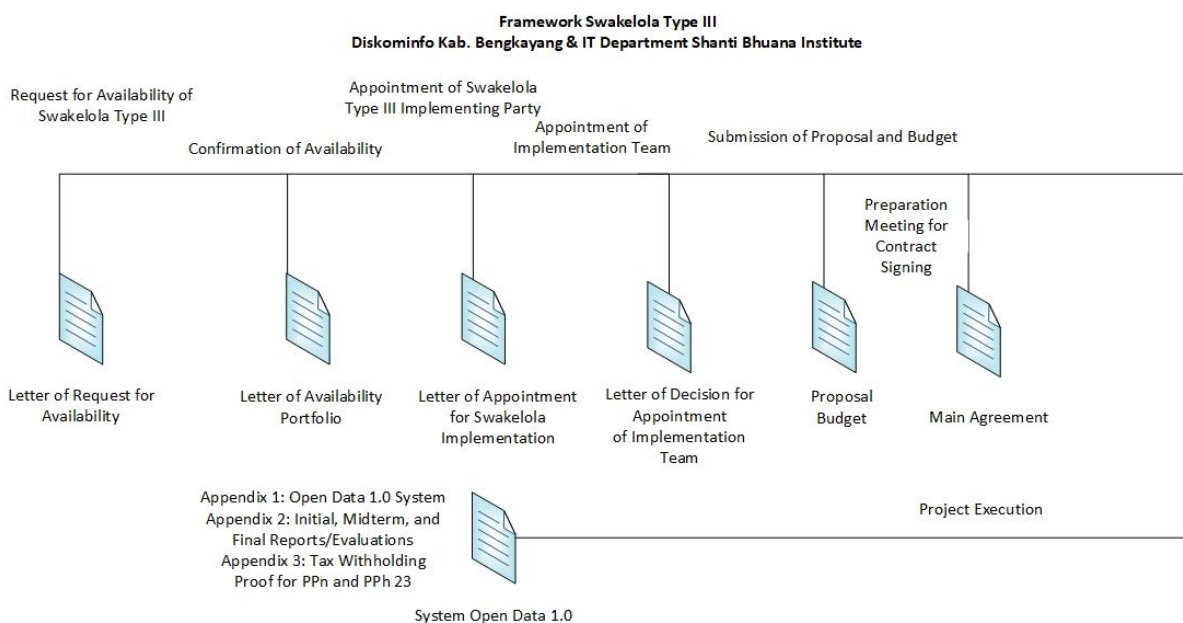


Figure 1. Stages of Swakelola III

In the first part, the request as the implementing party of self-management is addressed from Diskominfo to Shanti Bhuana Institute as a Private Higher Education Institution that has the capability to design and create the Open Data 1.0 System, specifically through the Information Technology Study Program. Secondly, the Portfolio or Portfolio Form of the Implementing Party is created as a statement of information from the Higher Education Institution, demonstrating its capabilities and proof of tax-compliant financial systems each year without any deficiencies as a requirement for the implementing party. Next, the Determination Letter for Type III Self-Management Implementation is issued by Diskominfo to determine the eligibility of the implementation team. Subsequently, the Decision Letter for Swakelola III is issued by the

Higher Education Institution to the Implementation Team, signed by the Rector as the highest authority of the institution, in this case, the Rector of Shanti Bhuana Institute. Once the Decision Letter is in effect, the Proposal and budget plan are implemented as key factors for activity procurement and budget determination. The budget allocation should not be arbitrary but should consider the working days of the calendar, the implementation timeline, and the capabilities of the implementing party according to their educational level and field of expertise. Negotiations take place during this stage. Furthermore, based on the approved proposal, a contract agreement is implemented according to the regulations of Swakelola III, signed by the Head of Diskominfo and the Chairperson of the Implementation Team. This contract serves as the basis for the activities and binds both parties. After the contract is signed, the implementation of the Open Data 1.0 System takes place. The system development requires 14 working days in the field and 30 days of field evaluation to ensure its compliance with the designed system as per the requirements, which can be supported by system documentation. During the implementation, the implementing team is required to produce reports, including an initial report, a midterm report documenting the system development process, and a final report evaluating the outcomes. The demonstrated and utilized results serve as evidence of the successfully executed self-management activity. As for the interim acceptance proof, the recipient party is obliged to report and pay taxes. However, prior to that, they must receive authorization from Diskominfo through the treasurer to issue a tax withholding proof for VAT (Value Added Tax / PPh) and Income Tax Article 23 (PPh 23) in the name of Shanti Bhuana Institute.

3. RESULTS AND DISCUSSION

In the first part of implementing the Type III Self-Management framework, the issuance of invitation letters is directed towards community organizations, community groups, or Private Higher Education Institutions according to their capacity. In this case, due to the government's need for a system in Bengkayang Regency, Shanti Bhuana Institute through the Information Technology Study Program, which has been accredited as "Excellent" by LAMINFOKOM, is capable of undertaking this collaboration. The first part includes a focus group discussion (FGD) with invitations as shown in Figure 2 and Figure 3. During the FGD, both parties explain how the Swakelola III operates and what the needs are from the Bengkayang Regency Government through Diskominfo. This includes the urgent need to realize the smart city roadmap through Open Data 1.0 or Analytic Room.

[Kop Surat K/L/PD]	
Nomor :
Lampiran :	1 (satu) berkas
Perihal :	Permintaan Kesediaan sebagai Calon Pelaksana Swakelola Tipe III pada paket pengadaan
	Kepada Yth. Pimpinan Ormas/PTS/Organisasi Profesi <diisi nama Ormas/PTS/Organisasi Profesi> di
<p>Sehubungan dengan rencana pengadaan <nama paket pengadaan> yang akan dilaksanakan melalui Swakelola Tipe III, dengan ini kami meminta kesediaan Ormas/PTS/Organisasi Profesi <nama Ormas/PTS/Organisasi Profesi> sebagai Calon Pelaksana Swakelola tipe III pada paket pengadaan tersebut.</p> <p>Ruang lingkup paket pengadaan Swakelola Tipe III meliputi <penjelasan secara singkat terkait pengadaan barang/jasa yang diajukan meliputi; latar belakang kebutuhan, tujuan, sasaran, manfaat barang/jasa yang akan diadakan>. Bersama ini terlampir kami sampaikan Dokumen Persiapan Swakelola Tipe III dimaksud.</p> <p>Memperhatikan hal tersebut, dalam hal Saudara bersedia untuk menjadi pelaksana swakelola agar menyampaikan Surat Pernyataan Minat dan Portofolio.</p> <p>Demikian disampaikan, atas perhatian Saudara diucapkan terima kasih</p> <p style="text-align: right;">Pejabat Pembuat Komitmen</p>	

Figure 2. Request for Swakelola III Availability

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Figure 3. Focus Group Discussion (FGD) to Determine the Implementation of Swakelola III

The FGD is not conducted only once, but requires multiple sessions. In this case, it took two months to discuss the agenda for implementing Swakelola III. In the second part, after the FGD was implemented, a joint agreement was reached between the Institute of Shanti Bhuana’s Information Technology Program and the Diskominfo of Bengkulu Regency. According to the framework, the availability letter or portfolio form was implemented in the second part. The portfolio form includes several detailed aspects, including Administrative Data and Legal Foundation from the Ministry of Law and Human Rights, Organizational/Management Structure Data through a Decree, Candidate Personnel Data, and Facility/Equipment Data, which requires proof of the existence of the building at the location as well as the capabilities of the executing team in accordance with the required scope. Additionally, it also requires Confirmation of Taxpayer Status (KSWP) to demonstrate that the executing party consistently complies with tax obligations. The evidence of implementation can be seen in Figure 4.

FORMULIR PORTOFOLIO

Saya yang bertandatangan di bawah ini: _____ <-nama Pimpinan Ormas/ PTS/Organisasi Profesi>

a. Nama : _____ <-nomor identitas Pimpinan Ormas/PTS/Organisasi Profesi>

b. No. Identitas (KTP/SIM/Paspor) : _____ <-jabatan dalam Ormas/PTS/Organisasi Profesi>

c. Jabatan dalam Organisasi : _____ <-nama Ormas/PTS/Organisasi Profesi>

d. Bertindak untuk dan atas nama : _____ <-alamat sesuai KTP/SIM/Paspor>

e. Alamat : _____ <-alamat sesuai KTP/SIM/Paspor>

menyatakan dengan sesungguhnya bahwa:

- Secara hukum bertindak untuk dan atas nama _____ <-diisi nama Ormas/PTS/Organisasi Profesi> berdasarkan _____ <-akta pendirian/anggaran dasar/surat kuasa, diumumkan secara jelas nomor dan tanggal akta pendirian/ anggaran dasar/surat kuasa>;
- Saya bukan sebagai pegawai pada Kementerian/Lembaga/ Perangkat Daerah;
- Saya tidak sedang menjalani sanksi pidana;
- Organisasi yang saya wakili tidak terlibat percontengan kepentingan sebagai berikut:
 - Ormas/PTS/Organisasi Profesi baik secara langsung maupun tidak langsung dikendalikan oleh PAKPA/PPK/Tim Persiapan/Tim Pengawas pada Paket Swakelola tipe III ini;
 - Badan Pengawas, Badan Pembina, dan/atau Pengurus Ormas/PTS/Organisasi Profesi bertindak sebagai PAKPA/PPK/Tim Persiapan/Tim Pengawas pada Kementerian/Lembaga/Perangkat Daerah penyelenggara Paket Swakelola tipe III ini;
 - Badan Pengawas, Badan Pembina, atau Pengurus Ormas/PTS/Organisasi Profesi bertindak sebagai Tim Persiapan/Tim Pengawas pada paket pengadaan yang sama;
 - Ormas/PTS/Organisasi Profesi dilarang melibatkan pegawai Aparatur Sipil Negara (ASN) Kementerian/Lembaga/Perangkat Daerah sebagai anggota tim pelaksana kecuali cuffs diatur tanggungan Negara;
 - Ormas/PTS/Organisasi Profesi dilarang menjadi Pelaksana Swakelola dalam hal _____ <-diisi nama Ormas/PTS/Organisasi Profesi> _____ <-diisi nama Ormas/PTS/Organisasi Profesi> _____ <-diisi nama Ormas/PTS/Organisasi Profesi> pada Kementerian/Lembaga/Perangkat Daerah penanggungjawab anggaran paket pengadaan pada saat persiapan maupun pada saat pelaksanaan
- Data-data yang dicantumkan dalam portofolio ini adalah benar dan dapat dipertanggungjawabkan kebenarannya.

A. Umum

- Nama Organisasi: _____
- Tahun Pendirian: _____
- Visi Misi Organisasi: _____
- Uraian Singkat Bidang Kegiatan Organisasi: _____

B. Data Administrasi dan Landasan Hukum Pendirian

- Akta Pendirian Organisasi Kemasyarakatan
 - Nomor Akta: _____
 - Tanggal: _____
 - Nomor pengesahan badan hukum: _____
- Nama Pimpinan Organisasi: _____
- Ketua Tim Pelaksana: _____
- Jabatan Ketua Tim Pelaksana dalam Organisasi: _____
- Alamat Korespondensi: _____, status: milik sendiri/sewa*
(bukti terlampir)
Telepon: _____ Fax: _____
Email: _____

C. Data Pajak Pelaksana Swakelola

- NPWP: _____
- Surat Keterangan Status Wajib Pajak nomor: _____ tanggal _____ atau tangkapan layar Status Konfirmasi Status Wajib Pajak (KSWP)

D. Pengeras Ormas

Nama	No KTP	Jabatan pada Ormas
1.		
2.		
Ts:		

E. Data Personel sebagai Calon Tim Pelaksana Swakelola
Data personel meliputi data ketua, anggota Tim Pelaksana, Tenaga Teknis (jika ada), dan Tenaga Pendukung (jika ada). Data personel dilengkapi dengan daftar riwayat hidup dan formulir pengalaman detail personel.

Nama	Usia	Jenis Kelamin	Pendidikan Terakhir	Pekerjaan/ Kegiatan Sebelumnya	Posisi pada Kegiatan Sebelumnya	Status Pegawai (diisi setiap/blok temp)
1.						

Figure 4. Type III Self-Management Form as the Execution Team and Execution Interest

in the third part, the Appointment of Swakelola III is carried out based on the evaluation of the portfolio. The Head of the Procurement Unit (PPK) proposes the Candidate for Swakelola III to the Head of Procurement Agency/Unit (PA/KPA) to be appointed as the Swakelola III Executor. This process takes place within the internal structure of Diskominfo Kabupaten Bengkayang. In the fourth part, an Official Decree or Surat Keputusan (SK) is issued to formally appoint the execution team. This Official Decree is given by the highest authority of the Institution to the execution team, specifically the Program Study of Information Technology. An example of the Official Decree can be seen in Figure 5.



Figure 5. Official Decree for the Appointment of the Execution Team

In the fifth part, the proposal is implemented, which requires careful budget planning. The budget cannot be based solely on personal assumptions but must adhere to government standards. In this case, the Cost Budget Plan is determined using the INKINDO 2021 reference with the specific index for Bengkayang Regency, West Kalimantan, as shown in Figure 6.

Remunerasi / Biaya Personil (Billing Rate) Tahun 2021
untuk Tenaga Ahli Nasional (Professional) berpendidikan S1/S2/S3 dengan SKK / SKA
dalam rangka Undangan Pelelangan Nasional (NCB)
Berdasarkan Pengalaman Profesi yang setara (comparable experiences) ¹⁾

PROVINSI DKI JAKARTA
Indeks = 1,000

KUALIFIKASI TENAGA AHLI DENGAN SKK / SKA DAN TAHUN PENGALAMAN	REMUNERASI / BIAYA PERSONIL (RUPIAH PER BULAN)			INDEKS
	81 / Setara	82 / Setara	83 / Setara	
AHLI MUDA ▶	1	21,950,000	30,400,000	1.090
	2	23,500,000	32,300,000	0.938
AHLI MADYA ▶	3	25,050,000	34,200,000	0.893
	4	26,600,000	36,100,000	0.966
	5	28,150,000	38,000,000	0.996
	6	29,700,000	39,900,000	0.996
	7	31,250,000	41,800,000	0.923
	8	32,800,000	43,700,000	0.842
	9	34,350,000	45,600,000	0.857
	10	35,900,000	47,500,000	0.885
	11	37,450,000	49,400,000	0.885
	12	39,000,000	51,300,000	1.000
	13	40,550,000	53,200,000	0.809
	14	42,100,000	55,100,000	0.808
	15	43,650,000	57,000,000	0.814
	16	45,200,000	58,900,000	0.878
	17	46,750,000	60,800,000	0.861
	18	48,300,000	62,700,000	0.890
	19	49,850,000	64,600,000	0.884
	20	51,400,000	66,500,000	0.846
	21	52,950,000	68,400,000	0.910
	22	54,500,000	70,300,000	0.927
	23	56,050,000	72,200,000	
	24	57,600,000	74,100,000	
	25	59,150,000	76,000,000	

¹⁾ Referensi Remunerasi / Biaya Personil (Billing Rate) Minimal Tahun 2021 (Benchmarking DKI Jakarta dengan Indeks = 1,000).

Figure 6. West Borneo Index for RAB based on Educational Qualification.

The cost budget plan (RAB) consists of: a. Developing a detailed plan of needs and costs, including: Personnel/Expert/Technical salaries, field staff wages (field coordinators, field

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workers, etc.), resource speakers' honorarium, and Swakelola Organizer team honorarium. Material costs, including equipment/spare parts (if necessary). Other Service Costs (if necessary). Other necessary costs, such as travel expenses, meetings, communication, and reporting. b. Creating a detailed breakdown of total costs in monthly and/or weekly cost plans that do not exceed the Budget Ceiling set in the budget document. c. Formulating a plan for absorbing weekly and monthly costs. d. Calculating the provision of labor, infrastructure/equipment, and materials needed, to be procured through a provider. e. Compiling a list of Procurement of Goods/Services needs through a Provider, to be implemented through a separate contract. In the sixth part, the contract is implemented. The contract includes the Budget User, Budget User Authorization, Commitment Maker Officer, Contract Signatory Officer, Private University, Implementation Period, Work Implementation Method, Start Date to Completion Date, Costs including taxes, and Work Reference Framework. The contract model can be seen in Figures 7 and 8.

POKOK PERJANJIAN	Contoh
untuk melaksanakan Swakelola Pengadaan _____ (nama Barang/Jasa) Nomor: _____	
Kontrak Swakelola ini berikut semua lampirannya (selanjutnya disebut "Kontrak") dibuat dan ditandatangani di _____ pada hari _____ tanggal _____ bulan _____ tahun _____ <tanggal, bulan dan tahun diisi dengan huruf> antara:	4) melaksanakan dan menyelesaikan pekerjaan sesuai dengan jadwal pelaksanaan pekerjaan yang telah ditetapkan dalam Kontrak; 5) memberikan keterangan-keterangan yang diperlukan untuk pemeriksaan pelaksanaan yang dilakukan Pejabat Penandatangan Kontrak; 6) menyerahkan hasil pekerjaan sesuai dengan jadwal penyerahan pekerjaan yang telah ditetapkan dalam Kontrak; 7) mengambil langkah-langkah yang cukup memadai untuk melindungi lingkungan tempat kerja dan membatasi perusakan dan gangguan kepada masyarakat maupun miliknya akibat kegiatan Swakelola; dan 8) menghindari pertentangan kepentingan (<i>conflict of interest</i>).
1. _____ <nama Pejabat Penandatangan Kontrak>, selaku Pejabat Penandatangan Kontrak, yang bertindak untuk dan atas nama _____ <nama satuan kerja Pejabat Penandatangan Kontrak>, yang berkedudukan di _____ <alamat Pejabat Penandatangan Kontrak>; berdasarkan Surat Keputusan _____ <pejabat yang menandatangani SK penetapan sebagai Pejabat Penandatangan Kontrak> Nomor _____ <No. SK penetapan sebagai Pejabat Penandatangan Kontrak>; selanjutnya disebut "Pejabat Penandatangan Kontrak"; dan	6. Pembayaran dilakukan sesuai dengan SSKK; 7. Kontrak ini mulai berlaku efektif terhitung sejak tanggal ditandatangani.
2. _____ <nama Pimpinan Ormas/PTS/Organisasi Profesi atau yang diberi kuasa>, yang berkedudukan di _____ <alamat>; berdasarkan kartu identitas No. _____ <NIK>; berdasarkan Surat Keputusan _____ <Pimpinan Ormas/PTS/Organisasi Profesi yang menandatangani SK penetapan sebagai ketua tim pelaksana> Nomor _____ <No. SK penetapan>; selanjutnya disebut "Pelaksana Swakelola".	Dengan demikian, Pejabat Penandatangan Kontrak dan Pelaksana Swakelola telah bersepakat untuk menandatangani Kontrak ini pada tanggal tersebut di atas dan melaksanakan Kontrak sesuai dengan ketentuan peraturan perundang-undangan di Republik Indonesia.
MENINGGAT BAHWA:	Untuk dan atas nama Pejabat Penandatangan Kontrak _____ <diisi sesuai SK Pengangkatan> Untuk dan atas nama Pelaksana Swakelola _____ <diisi nama Pimpinan Ormas/PTS/Organisasi Profesi atau yang diberi kuasa >
(a) Pejabat Penandatangan Kontrak telah meminta Pelaksana Swakelola untuk menyediakan barang/jasa sebagaimana diterangkan dalam KAK yang terlampir dalam Kontrak ini;	<sanda tangan dan cap (jika salinan asli ini untuk Pelaksana Swakelola maka rekatkan meterai)> <sanda tangan dan cap (jika salinan asli ini untuk satuan kerja PPK maka rekatkan meterai)>
(b) Pelaksana Swakelola sebagaimana dinyatakan kepada Pejabat Penandatangan Kontrak, memiliki keahlian profesional, personil, dan sumber daya teknis, serta telah menyetujui untuk menyediakan Barang/Jasa sesuai dengan persyaratan dan ketentuan dalam Kontrak ini;	_____ <nama lengkap> _____ <nama lengkap> _____ <jabatan> _____ <jabatan>
(c) Pejabat Penandatangan Kontrak dan Pelaksana Swakelola menyatakan memiliki kewenangan untuk menandatangani Kontrak ini, dan mengikat pihak yang diwakili;	

Figure 7. Model of Swakelola III



Figure 8. Implementation Team with Diskominfo Kab. Bengkulu for the Contract.

The seventh part is the implementation of the Open Data 1.0 system itself, which involves a 14-day work period with detailed design as shown in Figure 9. This system is used by the

Regent to access raw data from all Local Government Agencies in Bengkulu Regency. The system is implemented on Alibaba Cloud as shown in Figures 9 and 10.

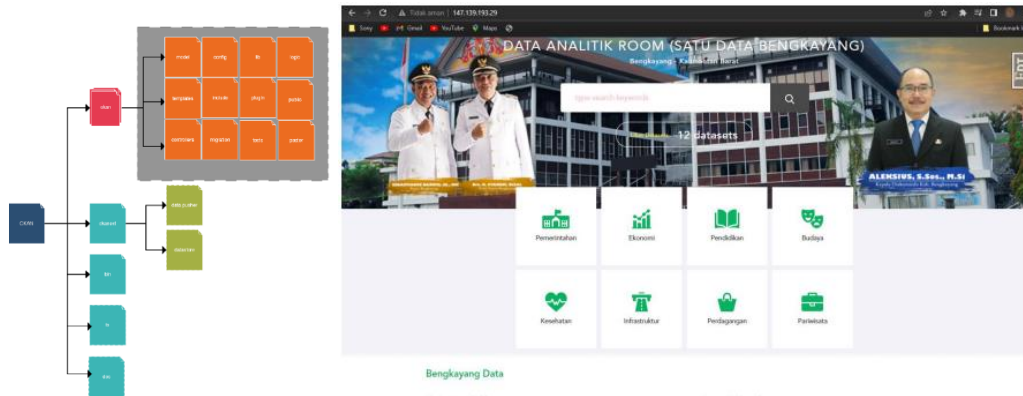


Figure 9. Implementation of the Open Data 1.0 System in Bengkulu Regency

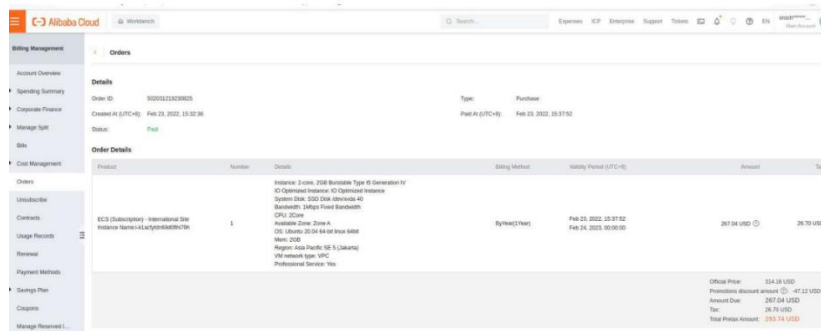


Figure 10. Monthly Invoice for Alibaba Cloud Server Usage for Open Data 1.0

Next, the eighth point in the initial report contains system documentation implementation, the middle report includes data testing implementation for data testing as shown in Figure 11, and the final report includes evaluation and demo results with Diskominfo as shown in Figure 12.

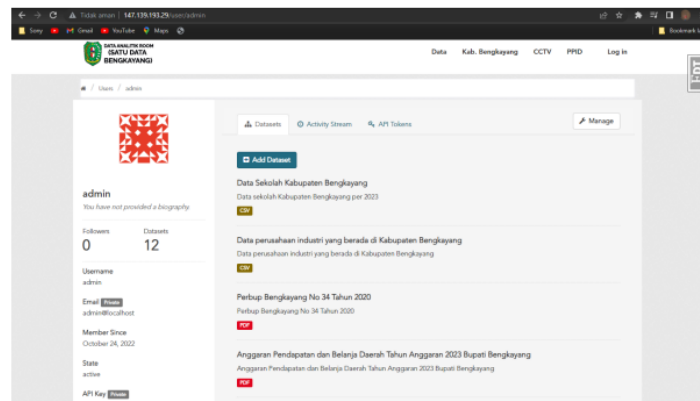


Figure 11. Testing Data to check for the presence of bugs in the Open Data 1.0 system.

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Figure 12. Program Demonstration and Handover of Work to Diskominfo

At the end of each Swakelola III activity report, it is archived and documented by both parties, and Institut Shanti Bhuana is obliged to request proof of payment as evidence that the paid amount has been deducted and transferred to the state treasury, as shown in Figure 13.

Masa Pajak (mm-yyyy)	Kode Objek Pajak	Dasar Pengenaan Pajak (Rp)	Dibebankan Tarif Lebih Tinggi (Tidak menentu NPWP)	Tarif (%)	PPH yang Dipotong/ Dipungut (Rp)
B.1	B.2	B.3	B.4	B.5	B.6
12	24-104-27			2.00	

Keterangan Kode Objek Pajak : Jasa Penyimpanan, Pengolahan dan/atau Penyediaan Data, Informasi, dan/atau Program

B.7 Dokumen Referensi : Nomor Dokumen 227.a / Diskominfo
 Nama Dokumen Surat Perjanjian Tanggal 22 dtd 08 mm 2022 yyyy

B.8 Dokumen Referensi untuk Faktur Pajak, apabila ada :
 Nomor Faktur Pajak : Tanggal dd mm yyyy

B.9 PPh dibebankan berdasarkan Surat Keterangan Bebas (SKB).
 Nomor : Tanggal dd mm yyyy

Figure 13. Tax Deduction Receipt from Diskominfo to Swakelola III Executor.

The proof of the collaboration's success is demonstrated by the feedback provided by Diskominfo Kabupaten Bengkayang, represented by the accompanying Head of Information Technology, Mr. Napoleon, S.Si, as shown in Table 1.

Table 1. Feedback on the Implementation of Open Data 1.0 Data Analytic Room Collaboration

No.	Feedback	Feedback Result from Diskominfo Kab. Bengkayang	Responsible Person from Diskominfo	Questionnaire Feedback Results from 10 admin of Diskominfo Bengkayang Regency
1.	Request for Swakelola III Availability	Swakelola has been submitted three times according to the procedure from July 2022 to August 2022.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.5 of 5

2.	Portfolio or Portfolio Form of the Implementing Party	The portfolio has met the standard criteria and includes the Tax Identification Number (NPWP) or known as KSWP.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.5 of 5
3.	Determination Letter for Swakelola III Implementation	The Swakelola request and availability are in line with the capabilities of the third party, namely IT experts.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.5 of 5
4.	Decision Letter for Swakelola III Implementation by the University	Swakelola availability meets the standards and has a collaborative agreement between the Regency and Shanti Bhuana Institute, as well as a Memorandum of Agreement (MoA) between Shanti Bhuana's IT Department and Diskominfo Kab. Bengkayang.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.5 of 5
5.	Proposal and Budget Plan	The proposal is in accordance with the Swakelola Type III framework, and the budget allocation of 24 working calendar days is suitable in the field.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.7 of 5
6.	Contract Agreement	The contract has been signed by both parties and maintenance is ongoing until June 2023.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.5 of 5
7.	Appendix 1: Open Data 1.0 System	The system has been tested by Diskominfo, and the data has been utilized by the 16 Regional Work Units in Bengkayang Regency.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.8 of 5
8.	Appendix 2: Reports/Evaluations	System documentation is available, and it will be further developed for big data integration with Diskominfo Kabupaten Bengkayang's servers.	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.8 of 5
9.	Appendix 3: Tax Withholding Proof	11% Value Added Tax (VAT) and 2% Income Tax Article 23 (PPh 23) have been attached as electronic withholding tax proof (e-bupot).	Head of Information Technology Division, Diskominfo / Napoleon, S.Si	4.8 of 5
Satisfaction Ratings Obtained from Diskominfo Bengkayang Regency Users during Swakelola III				4.6

After the completion of this Community Service activity for the procurement of Type III Self-Management based Open Data 1.0, the next step is to continue the system development in collaboration with Diskominfo Kabupaten Bengkayang, still involving the Information Technology Study Program of Shanti Bhuana Institute as shown in Table 2 below.

Tabel 2. Roadmap for the Implementation of Swakelola III Collaboration for Open Data 1.0

2022	2023	2024	2025
Creation of Open Data 1.0 / Data Analytic Room through Type III Self-Management	Implementation of Open Data 2.0 for Big Data development, involving thousands of data from all Regional Work Units in Bengkayang Regency	Development of Machine Learning in utilizing existing data to assist the Regent in decision-making	Integration System with SIPD (Local Government Information System) owned by Bengkayang Regency

4. CONCLUSIONS

In the implementation of Swakelola Type III activities, the Bengkayang Regency Government collaborates with Institut Shanti Bhuana through the Information Technology Study Program. Apart from the precision in designing and implementing the Open Data 1.0 system, meticulousness and attention to detail in every administrative task are also required. This is done to prevent document or administrative defects during audits. The constructed system has been completed, and the collaboration will continue in the current year, 2023. The ongoing forum group discussions focus on the development of the Open Data 1.0 server in Bengkayang Regency.

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