

Community Based Waste Management For Quality Improvement Economy And Environment

Naniek Ratni JAR¹, Yuliatin²

^{1,2}Environmental Study Program UPN Veteran East Java, Indonesia

Abstract

Dealing with waste problems in the regions is an obligation for the Regional Government and its people. Through proper management in the implementation of Community-Based TPS Reduce, Reuse, Recycling (3R) it is hoped that it will be able to achieve the goals of waste management in accordance with the mandate of Law Number 18 of 2018 concerning waste management. Therefore, the authors are interested in studying a study on the success of waste management in the area which is achieved through community participation in managing the waste management site and set forth in a paper entitled "Community-Based Waste Management Management in the Context of Improving Economic and Environmental Quality (DI) TPS-3R Jambangan Village, City of Surabaya)". This study uses a descriptive research approach. Descriptive research is seen as a type of research that is relevant to the theme raised by the researcher. Descriptive research is one of the research approaches used to describe the phenomenon under study in accordance with the reality that occurs at the research location. So that later by choosing this type of research you can dig deeper information about the implementation of management at Jambangan TPST, the inhibiting and supporting factors for the implementation of management at Jambangan TPST and how the impact has been since the implementation of the Community-Based Reduce Reuse Recycle Waste Management Site program. Based on the results of data acquisition at the research location, the following conclusions can be drawn: Implementation of management at the Jambangan Integrated Waste Management Site in Jambangan Village, City of Surabaya, including: Planning, Organizing, Staffing), Directing, Coordinating, Reporting, Budgeting, The impacts that have arisen since the implementation of the Community-Based Reduce Reuse Recycle Waste Management program in Jambangan Village are as follows: Improving Public Health, Improving Environmental Quality, Utilization of waste as a resource

Keyword : Community Based Reduce, Reuse, Recycling.

JEL Classification : C31, I10, Q40.

Received: March 16,2023 Accepted: April 1,2023
DOI : 10.54204/TMJ/Vol912023011

Introduction

The environment is a spatial unit that has a major influence on the survival and welfare of human life. This is because the environment is a place where humans carry out all their activities, so that all components in the environment have an important role for humans. Given the importance of the existence of the environment for humans, humans should have an obligation to preserve the environment in order to avoid environmental pollution which can cause a decline in environmental quality. Various environmental pollution problems that occur in Indonesia, one of

the causes is the waste problem which is a national problem and it is difficult to find an optimal solution (Methorst, Rehdanz, Mueller, Hansjürgens, Bonn, & Böhning-Gaese, 2021).

The growth in the volume of waste accumulation which continues to accelerate every year is a reflection that the waste problem requires proper and accurate handling (Pardini, Rodrigues, Kozlov, Kumar, & Furtado, 2019). So as to be able to create an optimal and solutive waste management system that is able to answer the problem of waste problems in Indonesia (Rahman, Supriyono, Hariswanto, & Koyama, 2020). The main cause of the difficulty in achieving optimal waste management is that many people have a waste management mindset that only relies on the end-of-pipe approach by relying on the existence of a Final Disposal Site (TPA). Of course, this kind of view is very unfortunate because if you only rely on the Final Disposal Site (TPA), it will not be able to reduce the amount of volume of waste accumulation produced by the community (Widayat, Maryanti, Lubis, & Rajab, 2022).

Garbage poses a serious threat to our natural environment, economy and society. Garbage disposal or pollution streams contribute to increasing environmental and economic problems in the following two ways. First, waste contains hazardous materials which directly affect the function of the natural environment which is the main support for life and the economy. Second, the natural environment has a limited assimilative capacity to absorb waste residues. When the amount exceeds this capacity, of course it will pose a serious threat to the stability and tolerance limit of an ecosystem. Sometimes the effects are very damaging. Water pollution from mercury for example can have a relatively small proportional effect at low levels of pollution, but at higher levels the response impact can be of very large substance. In this case, mercury pollution will change the function of the ecosystem and therefore can reduce the assimilative capacity of the natural environment (Baig, Al-Zahrani, Schneider, Straquadine, & Mourad, 2019).

Garbage also threatens economic development. Economic activities take place in the natural environment and therefore nature has an invaluable contribution. Therefore, waste does not only affect the environment, but waste also affects the economy. Community Based 3R Waste Management is a new paradigm in waste management. The new paradigm is more emphasis on environmentally friendly waste reduction method (Jain, Patel, Pardhi, & Flora, 2021). Then in the implementation of Community-Based 3R Waste Management there is the three activities must be carried out synergy and continuous, namely (1) The waste management process since it was issued by the community. (2) process of understanding public in waste management with method 3R. (3) Assistance process for 3R community members. (Ministry Public Works, 2017:1) One of the efforts to realize the 3R concept what needs to be taken is through the implementation of Management Places Community-Based Waste (TPS) 3R, Which redirected to Jambangan re rubbish (Recycle).

Since Ministry Work General give birth to program Management Community-Based 3R Waste, several Local Governments in Indonesia start apply program the as innovation new in management rubbish in the area each. Regency Poor is Wrong One area Which participate apply program Management Rubbish 3R based Public. Wrong One area in Regency Poor Which directed For implement program Management Rubbish 3R based Public is Jambangan Village. Due to the TPS's location on the river's banks and the frequent trash flow into the river, environmental pollution in the Brantas River Flow area is the driving force behind the need to implement the program in the Jambangan Village (Purwohedi & Gurd, 2019).

Jambangan is a village in the City of Surabaya, Jambangan Village consists of 12 hamlets, including: Genengan , Glanggang , Jatisari , Karangduren , Karangpandan , Kebonagung , Kendalpayak , Jambangan, Permanu , Sutojayan , Kasikon , Wonokerso hamlets (Budiyanto,

Haris, Setiawan, Sonalitha, & Iqbal, 2020). See problem rubbish Which impact on emergence environmental pollution in DAS Brantas, Environmental Agency (BLH) together with the Cipta Karya and Spatial Planning Office, City of Surabaya responded phenomenon the with give reprimand to Head Jambangan Village and local residents. This is confirmed by the statement from Father F. Supadi under This. Solution for solve the problem of water pollution on the Brantas river consequence accumulation of waste on river bank land in a way relocate TPS to another place. TPS relocation is at the same time to prepare the location in framework application program Management Rubbish 3R based Public. TPS the relocated to something land Which furthermore used as a Community-Based 3R Waste Management Site (TPS) and referred to as the Jambangan Integrated Waste Management Site (TPST). Preparation relocation TPS as well as application program Management Rubbish 3R based Public in Jambangan Village facilitated by the role of the Cipta Karya and Spatial Planning Office. Where the agency is extension hand from Ministry Work General in framework preparation implementation program Management Rubbish 3R based Public in region Regency Poor.

Since February 2019, the Jambangan TPST has started to operate. Since at that time, the community no longer threw garbage into the TPS located at on the banks of the Brantas River. So that water pollution in the Brantas River results problem rubbish can overcome. Condition the supported by participation public Jambangan Village in do management rubbish Which insightful environment through method 3R, that is as manager TPST Which joined in A Group Self-subsistent Society (KSM). This social group is an organizational container Which be prepared For manage TPST Jambangan through coaching from Copyright Office Work And System Room (Sinay & Anugrahini, 2022).

As a group social Which is a representative of the community KSM tries to manage TPST by applying the same management method appropriate so that the implementation of waste management activities carried out is capable achieve the goals of waste management in accordance with the mandate of the law Number 18 Year 2018 about Management Rubbish. Since TPST Jambangan started operating, the performance of KSM and the employees gave results Which Enough satisfying. Spirit Work And loyalty Which has nurtured by para member KSM And para employee in manage waste at TPST reaps a proud achievement.

Achievements obtained by TPST Jambangan for their success in do management rubbish bear predicate as place management rubbish pilot. So that bring a number of Head Area in Indonesia until visitor from abroad visit TPST Jambangan For learn mechanism management rubbish Which applied in TPST Jambangan. M management TPST Jambangan is an aspect that needs attention in order to achieve it success program Management Rubbish 3R based Public. Management can used as something tool Which function For manage And control something organization. For carry out his job as organization manager rubbish, KSM TPST Jambangan take into account in a manner ripe start from stage planning (planning) to stage budget mechanism (budgeting) . Activity results waste management at the Jambangan TPST is accountable in form report Which informed to Government Jambangan Village every one month period and the Cipta Karya and Spatial Planning Office every period quarter For monitor performance KSM.

Administration management rubbish in Jambangan Village through implementation program Management Rubbish 3R based Public is known capable give impact positive that is rubbish can utilized as resource, as well as there is enhancement to condition environment And condition social in Jambangan Village. Matter it is proved with countermeasures pollution environment in area watershed Brantas And capable create environment around Which clean free from trash. While the increase in social conditions is increasingly increasing quality health public Which

showed by decrease in the number of people suffering from diarrheal diseases and diseases skin (2019-2021 period) which is thought to be caused by accumulation rubbish in location TPS long.

Method

Analysis data is step Which must be taken after the researcher gather data. data primary secondary Which has collected need typified in groups, as well as filtered such shape For answer question study. Matter the in accordance with opinion of Bogdan and Biklen, 2019 in Moleong (2017: 248), data analysis takes time and requires a lot of work. Work with data, arrange data, sort data into manageable pieces, do a synthesis, look for trends, and determine what is significant and what has been learnt, make decisions that tell stories to people other.

On study This use method descriptive with approach qualitative. Data qualitative is data Which No shaped numbers. With thereby, researcher can do observation of the data that has been available then describe, explore And describe, as well as interpret it so that conclusion is obtained. So the data analysis of this study uses a model Miles And Huberman. Where model analysis This put forward that activity in analysis data qualitative done in a manner interactive And going on in a manner Keep going continuously until complete, so that the data Already fed up. The data analysis step is based on grounded theory from the researcher went into the field to collect data for the first time. Furthermore in a manner continuous, researcher start use data Which There is For achieve research goals that is solve research focus. In reality, This research is interactive because researchers directly conduct research in field And interact with informants. Activity in analysis data This, that is data reduction, data displays, And conclusion drawing/verification Miles and Huberman (1984) in Sugiyono (2018: 337). The activity done in form interactive with process data collection as an ongoing, iterative, and continuous process continuously to form a cycle.

Results And Discussion

Implementation Management Place Management Rubbish Integrated Jambangan in Jambangan Village

Planning

In this stage, the reference is the material for analysis for researchers is the principle of administration/management function initiated by Luther Gullick And Urwick Which quoted by Harbani Pasolong (2018:85), Which states that “..in the planning stage consists of two elements namely, (1) setting objectives, and (2) determining the methods and activities activity Which must done For reach objective. The first element in the planning stage, namely determination objective. In study This determination objective intended For tackling the problem of environmental pollution that occurs in the watershed Brantas due to the location of TPS which is located on the banks of the Brantas river as well creating a clean environment free of waste. Whereas the second element, to achieve this goal, the KSM is accompanied by Service Create work And System Room take various method And activity among them like observation about field circumstances environment in Jambangan Village, discussion together head village And delegation from Service Create work And System Room, socialization to public about plan development TPST along socialization about activity management rubbish with using the reduce reuse recycling (3R) method and recruiting employees Which is villagers Jambangan.

Stage development TPST Jambangan is project major in stage planning Which studied in research this, because through the establishment of TPST Jambangan is the first step to carry out waste management activities with Reduce Reuse Recycle (3R) method . Where it is relevant to which was put forward by Luther Gullick, namely " Planning includes long- term for capital

projects, medium-term for staffing, and short-term for day-to-day operations” (Chalekian, 2016). Medium-term for staffing Which initiated by Luther Gullick in stage planning, on study This showed on activity procurement power Work (recruiting employees) to fill out the formation in order to do a series of waste management activities using the Reduce Reuse Recycle method (3R). Whereas short-term for day-to-day operations reflected in the planning in conducting socialization stages a series of waste management activities that refer to the program TPS Reduce Reuse Recycle (3R) Community Based.

Jambangan Village community participation is not only shown on moment planning development TPST Jambangan. After process development TPST Jambangan finished, The community (KSM) also participated in determining the plan all operational activities in TPST Jambangan. This matter proven in planning Which designed by KSM Which role as organization manager TPST Jambangan. KSM is perpetrator planner in process procurement power Work And in planning socialization stages activity waste management along innovation other. Arrangement of plans Which designed by KSM consists on a number of stage. Following This will displayed chart stages planning (based on explanation planning on presentation data) in framework reach objective the establishment of TPST Jambangan in order to achieve the goal, namely to tackle the problem of environmental pollution in Brantas watershed as a result TPS location is located on the bank of the Brantas river as well as creating that environment clean free from rubbish.

Society participation as a managing organization as well as the Jambangan TPST manager, relevant to one the type of participation mentioned by Keith Davis in Sastropetro (2018) that is type participation thought (psychological participation), which is a type of actively participating with exert the mind in a series of activities to achieve objective certain. Authority KSM in determine planning activity in TPST Jambangan Also own relevance with view Sherry R. Arnstein Which classify level participation public in Ladder Participation Public. Where including into the category Partnerships especially the Delegated Power level, namely they (Cipta Karya Office And System Room) delegate a number of authority to public (KSM). For example, the public (KSM) has a veto right in the process taking decision (planning).

Organizing (Organizing)

The organization studied in this research is arrangement environmental management organizations , especially in the field of management rubbish. Because one of the locations in this study is place management rubbish Which managed by public around, then the party in question has involvement in the preparation The Jambangan TPST organization is the community. This is appropriate with mandate UU no 23 year 1997 about Management Environment that “environmental organizations are groups that formed on will And desire Alone in the middle public whose goals and activities are in the environmental field.” So if refers on regulation the, can translated in inside mandate For involve role as well as public in manage environment. Participation public of course absolute needed as element Which manage organization environment. The people who live in that environment are appropriate participate in protecting the environment. One of effort Which can taken that is through involve himself For participate as organization manager environment.

Involvement public Jambangan Village as manager the Jambangan TPST organization is a form of law application No. 23 of 1997 concerning Environmental Management, in particular in the section that examines environmental organizations. That mandate conveyed in the regulation is followed up by the Ministry Work General with form program Management Rubbish Reuse

Reduce Recycle (3R) based Public. Through program the, participation public in management environment especially in the field of waste management to be more focused. Because in accordance with the program Which title "Based Public", own meaning facilitate public through a KSM (self-help group) which acts as organization manager TPS 3R Based Public.

In framework formation And drafting organization KSM TPST Jambangan , customized on activity What Which done by KSM as manager TPST Jambangan. Then activities the will in classify and set become subdivision Work. Where subdivision Work This is a reference in forming and arranging the organization along with organizational structure of KSM TPST Jambangan. Everyone who carry out duties and positions in the organizational structure of KSM TPST Jambangan carry out his job in accordance with job description Which has determined. Distribution subdivision Work This addressed For make it easy KSM Which accompanied Service Create Work And System Room For compile structure organization as well as avoid overlapping tasks. Implementation formation organization KSM TPST Jambangan through drafting And determination subdivision Work aligned with stage organizing mentioned by Luther Gullick. He explained that the organizing stage is the " establishment of the formal structure of authority through which work subdivisions are arranged, defined and co-ordinated for the defined objectives". (Chalekian, 2016).

Procurement Power Work (Staffing)

Staffing implementation studied in this study concerns regarding employee recruitment activities and preparing employees for fill in formation as executor technical manager rubbish as well as practice employee the so that own ability in carry out his job. Activity procurement power Work in TPST Jambangan based on need For do Suite management rubbish with method 3R in TPST Jambangan. Party Which own authority For carry out activity staffing is KSM. KSM Which role as an organization managing TPST Jambangan also has authority for determine TPST employees Jambangan And socialize as well as teach function And task employee the according to its position. It is intended that employee capable understand method management rubbish based on 3R concepts and trained to apply their understanding in carry out his job each. So description activity staffing in TPST Jambangan own suitability with as Which put forward by Paul Chalekian (2016) that stage Staffing is " The whole personnel function of bringing in and training the staff and maintaining favorable conditions of works". Furthermore stage Staffing in management.

As is public Which participate as an employee TPST, so in accordance with mandate Which poured in program Community Based Reduce Reuse Recycle (3R) Waste Management . Where philosophy say "Based Public" translated For involve the community not only as administrators of KSM organizations TPST Jambangan , but Also For stimulate participation public as TST staff. KSM Which own authority as the executor of labor procurement activities, recruit employee Which originate from public around Jambangan Village. Absorb public as power Work in TPST is step Which appropriate in optimizing management TPST Jambangan. Because of the trash that is in the area Jambangan village is results production Which originate from remainder activity results public, so Already should public follow participate in manage rubbish. Participation public Jambangan Village with involve himself become employee TPST Jambangan including to in the Types of Energy Participation put forward by Keith Davis. Type Participation Power is participation from individual or group with the power it has, involve themselves in a activity with a specific purpose (Sastropetro, 2018:16). Public Jambangan Village Which become employee TPST donate personnel to carry out waste management

activities such as transporting waste, sorting waste, re-presenting waste, And process rubbish become fertilizer compost.

Directing

Organizational management activities at the Directing stage are studied in study This covers activity give briefing And guidance carried out by the Cipta Karya and Spatial Planning Office to KSM TPST Jambangan or KSM TPST Jambangan to TPST employees. As mentioned by Harbani Pasolong in results the reviews about POSCORB management Which initiated by Urwick And gulick, mentioned that stage directing is activity Which relate with efforts guidance, give guidance , suggestions, orders, instructions so that objective Which has determined can achieved. Stage directing like Which put forward by Harbani Pasolong has been implemented in order to optimize management TPST Jambangan. The implementation of the directing is reflected in the activities of the Cipta Karya and Spatial Planning Office in providing directions about stages method manage rubbish with apply program Management Rubbish 3R based Public, provision in the formation of the KSM organization and what facilities are needed For implement program the. Temporary KSM give instruction or guidance to employee TPST through direct employee How method management rubbish as socialized by the Cipta Karya Service and Spatial planning and provide motivation to foster enthusiasm para work employee For carry out his job.

In addition to dealing with the activity of giving directions or Guidance, directing also includes activities of giving orders or instructions. This is as stated by Luther Gullick that “ directing is the continuous tasks of making decisions and embodying them in specific and general orders and instructions and serving as the leader of the enterprise” (Chalekian, 2016). referring on opinion the, so activity KSM in give direction or guidance to employees is intended so that the employee capable carry out activity management rubbish in accordance with the instructions Which order (in accordance mandate in program Management Rubbish 3R based Public). Through activity direction and guidance (directing) to employees, is provision for employees in understanding how to manage waste in accordance with method 3R. Leave from understanding that's para employee capable carry out his job in manage rubbish by applying his understanding of the 3R method. So, in the context of the management of the United Muloagung TPST, very directing role For reach objective. Because indeed directing is a management function that can function not only for ensure para employee carry out task, but can function For coordinate activity various element organization so that can done with effective fixed on realization objective.

Coordinating

Based on the findings in the field which have then been processed in the results of presenting data on the same discussion, coordination between the Human Settlement and Spatial Planning Office and several other actors participate role (Which has mentioned previously) For each other coordination according to the stages has been carried out properly. This can evidenced by the results of coordination between various party Which involved the capable realizing the development of Community-Based TPS 3R in Jambangan Village which furthermore moment This called as TPST Jambangan.

Related with theme Which lifted in writing This highlight about management TPST Jambangan. Where perpetrator management the is KSM Which role as Jambangan TPST management organization. Therefore, period the focus of the analysis in this section only examines the

coordination at the stage the third, that is coordination in the post-TPST development stage Jambangan (in order to management TPST Jambangan).

In framework optimizing management TPST Jambangan, KSM coordinated with several actors including: The Health Office through the Jambangan Health Center UPTD, Cipta Karya Department and Spatial Planning, as well TST staff. Coordination between KSM and the Jambangan Health Center aims to maintain the physical health of the employee. Given the duties carried out by employees as officers technical manager rubbish own contact direct with rubbish with intensity Which tall. Through form coordination This, para employee chance small For experience disturbance health so that they can Work in a manner productive. So condition thereby will make it easy KSM in optimizing management TPST Jambangan.

Furthermore, coordination between KSM TPST Jambangan with employee TPST Which done through gift incentive form Allowances Build Quality is method Which taken by KSM so that para employee capable finish his job each each with the right timing . It is also relevant to which mentioned by Harbani Pasolong, that "Coordination is synchronization Which regular (orderly synchronization) from endeavors (efforts) For reach arrangement time Which appropriate (times)." (2018:85). Through exists Allowances Build Quality, para employee competing to be able to do the task of waste management in 3 zones at once. In this way, waste management activities in TPST Jambangan takes less time and can be completed more quickly so it can create time efficiency in managing rubbish. Garbage generation per day those in the Jambangan TPST can be managed entirely And resolved on day That Also.

Reporting

Reporting studied in this study is almost the same as reporting activities that generally apply in every organization. Reporting in TPST Jambangan is activity drafting report results activity by KSM Which informed to the Jambangan Village Government every 1 month period and the Service Create Work And System Room every period 3 month. Report it contains information about whole Suite activity management rubbish. as Which put forward by Luther Gullick that " reporting is keeping those to whom the executive is responsible informed US to what is going on, which thus includes himself and his subordinates informed through records, research and inspection. " (Chalekian, 2016). So reporting results activity waste management at TPST Jambangan Which submitted to the Jambangan Village Government and the Cipta Karya and Tata Office The aim of the space is to obtain information and an overview of the extent to which the development of activities or results of management activities rubbish in TPST Jambangan as well as gift information about all matter Which relate with implementation task. Besides That the report Also is a means For monitor waste management activities without observing the Jambangan TPST location in a manner direct.

Budgeting

The budgeting studied in this study is an activity drafting budget Which covers cost income And cost expenses in a monthly or yearly period. the budget poured in report finance global with use method calculation accountancy in compile report the. Where drafting budget income And expenditure Which done in TPST Jambangan the in accordance with budgeting stage Which put forward by Luther Gullick. He mention that " Budgeting includes all aspects of financial planning, accounting, and control." (Chalekian, 2016). So Referring to this opinion, it is necessary to pay attention to several aspects in budget preparation at the TPST Jambangan. This matter addressed so that can avoid happening excess financing spending needs by exceeding the

budget received. So with the preparation of the budget, expenses are adjusted accordingly with revenue costs so as to create a balance budget or leaving a balance to be allocated to expenses reception in month next.

After study analysis drafting budget shopping, so then it will be studied regarding the analysis of the sources of funds obtained by TPST Jambangan For shopping need. Cost revenue comes from the sale of waste utilization as resources (lapak and compost) and contributions from the community. Remember back inside title waste management program it exists say "Community-based" in the TPS Reduce Reuse Recycle (3R) program Community Based, then in obtaining the cost of acceptance in TPST Jambangan public Also participate role. Role public to source reception Which obtained For financing all operational activities at the Jambangan TPST hereinafter regulated in Jambangan Village Regulation Number 2 Years 2017 about Place Management Rubbish Integrated (TPST) For Towards a Clean, Healthy and Quality Jambangan Village Article 13 paragraph (2) that "role public form support dues from public Which the magnitude arranged more carry on in Decision Village head". So this Village Regulation is the legal basis arrange about role public For support continuity Jambangan TPST management through paying fee fees Management Rubbish or IBPS routinely every month.

The role of the Jambangan Village community through their willingness to pay fees for those who use management services Jambangan TPST waste has relevance to wrong One type participation Which classified by Keith Davis. Where the description of the participation of the Jambangan village community is included in Type of Participation Money (money participation), namely this participation only give donation Money to activity. (Sastropetro, 2018:16). Money participation is form support from community who can assist KSM in managing TPST Jambangan. Because financing activity operational management rubbish in TPST Jambangan in a manner independent, so help dues from public is source cost reception Which will allocated For fulfil various needs that can support the sustainability of management activities rubbish in TPST Jambangan.

Impact Application Program Place Management Rubbish Reduce Community-Based Reuse Recycle Jambangan Village, Enhancement Health Public

Various health problems one of which also occurs consequence waste that is not properly managed for example with not enough notice aspect environment. Condition thereby of course raises problem rubbish Which impact on decline in public health. Garbage problems also occur in Jambangan Village before the establishment of the Jambangan TPST. The location of the old TPS which used to be on the banks of the Brantas River is suspected resulted exists disturbance health for public Jambangan Village Which stay in around TPS the. Disturbance health that attacked the people of Jambangan Village, among others is disease diarrhea And disease skin (itchy rash, allergy And scabies). Effort enhancement health public Also done to public Jambangan Village Which profession as employee TPST. Through service special And inspection routine, the health of TPST employees can be guaranteed. Effort this is taken in order health whole health public Jambangan Village maintained without exception for TPST employees who are so instrumental for participate do management rubbish For create environment Which clean And free from pollution environment consequence rubbish.

Quality Environment

Environment need managed with Good in a manner integrated And thorough so that capable reach environment Which quality. Effort Which can taken so that capable create quality environment is with do management environment Which based on regulations that have governed the management environment. Culture public to care about management environment Also need encouraged so that environment Which become place stay We spared from emergence problem pollution environment. Wrong One factor Which raises environmental pollution is consequence management rubbish Which not enough pay attention to aspects environment. So waste management is necessary reviewed so that waste which has been a "scourge" of how difficult create quality environment can overcome the problem.

Improved environmental quality that has occurred since management Garbage is carried out at the Jambangan TPST, of course not regardless of the role of City of Surabaya Government. as that set forth in Law Number 32 of 2017 concerning Government Area mention that government area have authority to carry out environmental maintenance. Furthermore authority government about maintenance environment in waste management sector is also regulated in Law no. 18 of 2018 about Management Rubbish on principle not quite enough answer Which it contains meaning "Government and local government has responsibility for waste management in realizing right public to environment life Which Good And Healthy".

Through implementation program the, Government area carry out their duties in accordance with the mandated responsibilities in Law no. 18 of 2018 concerning Waste Management. Where For reach success program, Government Area need provide facilities and infrastructure at TPST and coordinate with institution public For stimulate participation public. Participation public in management rubbish in TPST Jambangan showed on involvement public as a KSM TPST management organization and as a TPST employee. Where community participation involves himself to become KSM management or TPST employees is an effort to achieve success in framework manage environment around Jambangan Village so that free from pollution. Matter This as Which be delivered by endro Waluyo, that "Management environment life is something action For move groups of people in a certain spatial unit as well as all the power and element Which There is through stage by stage For reach objective certain." (Waluyo, 2002:34). TPS 3R Waste Management Program based public is tool Which move entity public Jambangan Village under control Copyright Office Work and Spatial Planning to participate in managing the KSM organization nor carry out stages management rubbish with apply draft 3R.

Implementation program Management Rubbish TPS 3R based community that was implemented in Jambangan Village through its establishment TPST Jambangan, is a form of the Government's seriousness Regions in waste management and supported by awareness and awareness of all levels of society around the environment. Where with synergy between government area And public here it is management rubbish in Jambangan Village become more optimally so as to create a clean environmentquality.

Utilization Rubbish as Resource

Application program TPS 3R based Public in Jambangan Village Forward capable change mindset inhabitant Jambangan Village Which previously only think of trash as useless stuff. Now trash is seen as goods Which own mark To use. Through Suite process management rubbish with method 3R, public manage And process rubbish until become product Which can used return. Waste management is an action that needs to be done, besides to create a clean and healthy environment, the trash managed in a sustainable manner can be beneficial to humans.

This matter as Which disclosed by M. Surihadi Sastrosupeno, Necessity management rubbish caused by reality that Garbage is a waste from potential human activities as a useful resource for humans. In order to become resource Which beneficial, rubbish Still need processing And arrangement as well as maintenance man.

Implementation of waste management so that it can be utilized as resource is Wrong One objective held waste management listed in Law no. 18 Year 2018 about Management rubbish. So in implementation of the Community-Based TPS 3R waste management program at TPST Jambangan is also based on this mandate. Where The law is based on several principles which are: Wrong only one study about principle benefit, that is "management necessary trash using that approach consider trash as source Power Which can utilized For fulfil community needs." Referring to these regulations, implementation waste management at TPST Jambangan is guided by stages Suite management rubbish with use method 3R, in accordance with program Which planned by Ministry of Public Works namely Community-Based TPS 3R. This method is an approach in solid waste management in the management there is stages For make rubbish as resource.

Based on results findings, showing that through implementation program TPS 3R based Public in TPST Mulyogong united, capable reach objective management rubbish in Law no. 18 of 2018 regarding Waste Management namely utilization rubbish as resource. Management rubbish in TPST Jambangan capable change rubbish become many kinds of goods Which own mark To use. As for resultsutilization rubbish in TPST Jambangan among them that is:

1. Waste utilization glass as packaging product
2. Utilization rice waste For feed animal
3. Utilization waste plastic For to pack goods
4. Utilization waste hard For for sale return topartners
5. Utilization waste paper For for sale return topartners
6. Jambangannan waste as a basic material for making fertilizer compost.

Thereby description utilization rubbish in TPST Jambangan. Results sale waste Which originate from rubbish community will be allocated to finance all needs in TPST Jambangan in carrying out management activities rubbish. That way, waste does not only have benefits for used return However Also own mark economy. Implementation of waste management at the United Mulyagung TPST in line with the principle of "economic value" mandated in Law no. 18 of 2018 concerning Waste Management, namely waste is resources that have economic value that can be exploitedso that give mark plus.

Conclusion

Based on results acquisition data in location study, can pulled conclusion as following: implement management on Place Integrated Waste Management Jambangan in Jambangan Village, Regency Poor between other:

Planning (Planning)

In framework management TPST Jambangan , KSM compile planning after the establishment of TPST Jambangan. Planning the is reference or guidelines For realize objective Which has determined. As for stages the planning includes the following activities: 1) KSM member meetings, 2) Socialization to public about founding TPST And appealed to the public to participate as TPST employees And participate For pay dues rubbish, 3) Recruiting employee, 4) Socialization method management rubbish based method Reduce, reuse, Recycling to para
Volume 9, No 1, April 2023

employee new, 5) Evaluation employee, 6) Inform report results activity management rubbish at the TPST to Service Create Work And System Room And government Jambangan Village.

Organizing (Organizing)

Implementation management on stage organizing has implemented optimally through community participation local and coaching Service Create work And System Room in framework compile the KSM organization based on the determination of subdivisions which is also a reference in compiling the organizational structure KSM.

Procurement Power Work (Staffing)

At the labor procurement stage at the Jambangan TPST has done with optimal. Through implementation procurement workforce, all formations of waste management technical implementers have filled so that Suite activity management rubbish with 3R method can operate optimally. Due to power requirements Work as executor technical management rubbish No must own skill special, so that make it easy KSM in recruitment process. This condition also opens opportunities for the communitylocal For participate as employee TPST Jambangan.

Briefing (Directing)

Direction from Cipta Karya and Spatial Planning Service to KSM is Wrong One activity Which contribute to optimization management TPST Jambangan. Through briefing the, is stock for KSM in briefing to employee about management rubbish based the Reduce Reuse Recycle (3R) method , as well as being an internal provision framework manage TPST Jambangan

Coordination (Coordinating)

In framework management TPST Jambangan , KSM coordinate with 2 party, that is Service Create Work And System TPST room and employees. So far the coordination between KSM and second party walk Enough optimal, that is showed with the implementation of all forms of coordination between KSM and the two parties when needed. However, there are associated drawbacks coordination carried out by KSM with the Cipta Karya and Tata Office Space because there is no routine coordination in particular examines the performance of KSM as the manager of the Jambangan TPST.

Reporting (Reporting)

On stage reporting, KSM inform report results waste management activities at the Jambangan TPST to Government Jambangan Village as well as Service Create Work And System Space regularly. However, there is no feedback on the report informed to Jambangan Village Government and Cipta Office Work and Spatial Planning are lacking at this stage, because KSM did not receive an evaluation of their performance as TPST managersJambangan.

Budgeting (Budgetting)

At the budgeting stage, it has been implemented optimally. Matter This is shown in the entire series of budget preparation consists of sources income fund, the amount of costs income and expenditure, allocation cost expenditure has poured in financial statements. Through the preparation of the budget, expenses will under control so that No go beyond amount cost Which accepted. The impact that has arisen since the implementation of the Waste Management program Community-Based Reduce Reuse Recycle in Jambangan village is as following:

Enhancement Health Public

Since founding TPST Jambangan And start operation activity management rubbish, so disturbance health Which estimated consequence stack rubbish like disease diarrhea and illness skin become reduce. decline the number of people with skin diseases and diarrheal diseases treated by Jambangan Health Center is a form of community health improvement Jambangan village.

Enhancement Quality Environment

Environmental quality improvement since TPST Jambangan was founded in Jambangan Village indicated by environmental conditions around Jambangan Village Which become clean free from garbage scattered And problem pollution environment in watershed Brantas can be resolved through efforts to relocate Temporary Disposal Sites (TPS) to TPST Jambangan.

Utilization rubbish as resource

Management rubbish in TPST Jambangan through method Reduce Reuse Recycle (3R) give impact positive in the form of producing resources that are utilized in accordance with types of waste, namely: In particular, using glass trash as product packaging, using rice waste as animal feed, using plastic waste to package goods, and selling hard waste to partners, waste paper to be resold to partners and, waste Jambangan as an ingredient base making fertilizer compost.

References

- Baig, M. B., Al-Zahrani, K. H., Schneider, F., Straquadine, G. S., & Mourad, M. (2019). Food waste posing a serious threat to sustainability in the Kingdom of Saudi Arabia—A systematic review. *Saudi Journal of Biological Sciences*, 26(7), 1743-1752.
- Budiyanto, H., Haris, M., Setiawan, A. B., Sonalitha, E., & Iqbal, M. (2020). The bamboo greenhouse technology for hydrogenic plants with independent photovoltaic energy in the food safety program. *Local Wisdom Scientific Online Journal*, 12(1), 10-18.
- Chalekian, P. M. (2016). Instantiations of POSDCORB: A framework-theory-model approach. *Administration & Society*, 48(3), 316-343.
- Harbani Pasolong. (2018). *Teori Administrasi Publik*. Bandung: Alfabeta
- Jain, K., Patel, A. S., Pardhi, V. P., & Flora, S. J. S. (2021). Nanotechnology in wastewater management: a new paradigm towards wastewater treatment. *Molecules*, 26(6), 1-10.
- Methorst, J., Rehdanz, K., Mueller, T., Hansjürgens, B., Bonn, A., & Böhning-Gaese, K. (2021). The importance of species diversity for human well-being in Europe. *Ecological Economics*, 181(1), 1-10.
- Moleong, Lexy J. (2017). *Metodologi Penelitian Kualitatif*, Bandung: PTRemaja Rosdakarya
- M. Surihadi Sastrosupeno. (1984). *Manusia, alam dan Lingkungan (Proyek penulisan dan penerbitan buku/majalah pengetahuan umum dan profesi Departemen Pendidikan dan Kebudayaan)*.
- Pardini, K., Rodrigues, J. J., Kozlov, S. A., Kumar, N., & Furtado, V. (2019). IoT-based solid waste management solutions: a survey. *Journal of Sensor and Actuator Networks*, 8(1), 1-10
- Purwohedi, U., & Gurd, B. (2019). Using Social Return on Investment (SROI) to measure project impact in local government. *Public Money & Management*, 39(1), 56-63.
- Rahman, S., Supriyono, B., Hariswanto, A., & Koyama, M. (2020). Policy Reform Towards Waste Management in Pontianak Municipality, West Kalimantan Indonesia (A SWOT

- Analysis and Lessons Learned from Kyoto City). *Jurnal Ilmiah Administrasi Publik*, 6(1), 147-155.
- Sastropoetro, R.A.S. 2018. *Partisipasi, Komunikasi, Persuasi dan Disiplin Pembangunan Nasional*. Bandung: Alumni.
- Sinay, M., & Anugrahini, T. (2022). Pengembangan Kapital Sosial Dalam Pengelolaan Bank Sampah “Ciber”. *Indonesian Journal Of Social Work*, 5(02), 129-144.
- Sugiyono. (2018). *Metode Penelitian Pendidikan : Pendekatan Kuantitatif, Kualitatif, dan R&D*. Bandung : Alfabeta
- Widayat, P., Maryanti, S., Lubis, N., & Rajab, S. (2022). Feasibility Study For The Development of TPS3R Waste Bank. *ADPEBI International Journal of Business and Social Science*, 2(1), 29-38.