

Management and Distribution Clean Water Technology for Village Tour Mountain Buthak Purworejo

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ABSTRACT

This community service activity aims to develop a tourist village through the distribution of clean water in the Gunung Buthak tourist village of Tlogokotes Bagelen, Purworejo, Central Java. The participants in this activity were members of the Pokdarwis awareness group for Mount Buthak tourism. This activity consists of three stages: planning, implementation, and evaluation. The method applied is counseling and workshops on clean water management.

The results of the evaluation show that the community service activities have been carried out properly. The participants were also enthusiastic and actively participated in this activity. This is shown from the evaluation results which show an increase in community knowledge about the use and distribution of clean water as a form of village tourism marketing. With the implementation of this activity, it is hoped that Mount Buthak tourism can be widely known by tourists so that many tourists visit Mount Buthak to increase the economic value and welfare of the local community.

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A. Introduction

Tourist is something a journey people make for a temporary time, which held from something place to somewhere else left place again, with something planning and with meaning no for attempted or look for living in the places visited, however solely for enjoying activity firsts and recreation or for Fulfill various wishes _ variety (Gunawan & Hazwardy, 2020) . Tourism also provides benefits for the area concerned besides for introduce areas as well as income funds from some areas. Lots of places existing tours _ good presenting _ view natural or vehicle just. However often to relieve stress or existing load _ tips will many choose a place with a view of nature. Water also gives benefits in the field tourist this good waters land nor waters sea. as condition hills in general wherever located, conditions Mountain Buthak until the moment this (initial August 2021) still too natural, in the sense yet seen exists mix hand humans (read: society village Tlogokotes) which was carried out by seriously on any side of the mountain the. Only there is a Street as far as it seems normal passed by someone who visited the grove at the foot of the mountain Butak / Buthak or coincidental located around Mountain the. From the direction adjacent to the east, the street's existing path is too narrow and quite dangerous for skipping because no there is a fence on the side of the road that leads to the abyss. The footpath that leads to the back left (south) of Mt Buthak.

Peak condition Mountain Butak / Buthak that neither myself lost natural than call it still looks wild because full of the thicket. Not flat land enough large the still overgrown various shrubs or bush mutual groves scramble to live in season drought. Growing trees are diverse, some of which, still show a color greenish as a sign still exists life, however part other looked dry and parched without foliage consequence

has fallen out with already leaves dry scattered on the slopes. One thing we like in the general moment is the view-filled peak with bare trees and branches combined with the blue sky⁵ that appears to our eyes so special and beautiful. By so that expression from relief also that finally we have complete climbing without preparation whatever, fine from facet physique nor means usual support needed, though in minimum limit. In comparison with the surrounding hills, Mt Buthak mam must be acknowledged have possible peculiarities to be read as advantages. Advantages the none other than exists inheritance invaders Japan form fortress pendhem which lies in the section down next north peak (from peak distance several twenty meters to direction north). On the side of the existence of the fort¹⁰, there is also a split stone¹¹ which is only could be passed by someone with a method to tilt the body. Allegedly, split stones on purpose made thereby for could To do reconnaissance moment soldiers in Japan still occupy an area.

B. Literature Review

System clean water distribution is system piping prepared inside the building nor outside the building To use running clean water from the source until going to an outlet (output). System clean water distribution made To use Fulfill needs decent clean water consumption (Fadlilaturrahmah & Hidayatrahmah, 2019) . In the water supply system, there is Thing important things to notice that is water quality to be distributed, system water supply to be used, prevention of deep water pollution system, rate Genre in the pipe, speed water flow and pressure. The component main system of clean water distribution is a pipeline system. Anyway, the possibility happening problems with pipelines such as leaks occur pipe damage or component other, size energy loss, and a declining level of service clean water supply for consumers.

Clean Water Requirements

Clean water criteria cover three aspects that are quality, quantity, and continuity. Besides, it should too Fulfill requirements for water pressure.

a. Condition Quality

Clean water is water filling requirements for the system supply of drinking water. The requirements in question are requirements from facets covering water quality physical, chemical, biological and radiological, so if consumed no raises effect side.

b. Condition Quantity

incoming clean water into in building or entering into the plumbing system must Fulfill condition from aspect quantity, that is clean water capacity must sufficient for various needs of the building. For count magnitude clean water needs in building based approach amount occupants building and the number of unit loads tool plumbing.

c. Condition Continuity

Requirements continuity for the supply of clean water is a very tight relationship with the quantity of water available namely raw water that exists in nature. That is, continuity here is that raw water for clean water could be taken Keep going continuously with relative discharge fluctuations fixed, both at the moment season drought nor season rain.

d. Condition Pressure

Less water pressure sufficient will raises difficulty in water usage. Excessive pressure could cause pain-caught water jets as well as speed up damaged equipment plumbing and add the possibility of emergency water blow. The magnitude of good water pressure range in something somewhat area width and depending on the requirements

C. Method

Activity devotion this conducted in the form of training to group aware tour Mountain but has. Anyway plot activity devotion is as follows:

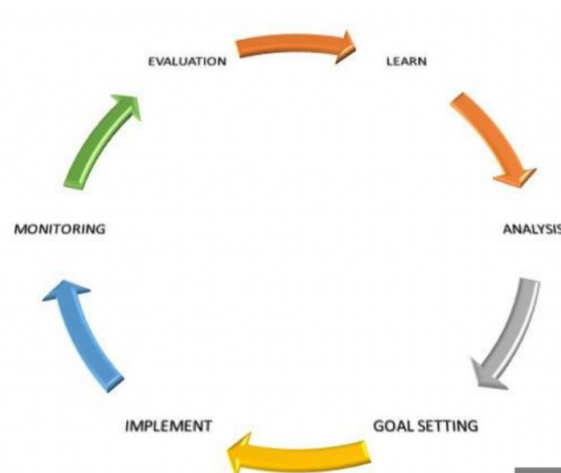


Figure 1. Implementation devotion Public

1. Stage planning, that is executor devotion To do interviews and discussions with government villages and figures Public about obstacles encountered in pioneering village tour Mountain Buthak (Suyitno, 2019, 2020a, 2020b) . Next, do coordination with the Public for arranging concept, time, and technical implementation activities this.
2. Stage implementation, that is the core of the activity devotion. Implementation activity was conducted using two methods, namely:
 - a. Counseling (lecture), that is conveying related information with introduction and management of clean water village tour Mountain Buthak. Knowledge about recognition and management of clean water distribution given to society have good knowledge will be important to promote with use of websites.
 - b. Workshops, that is To practice processing clean water distribution village tour Mountain buthak. At a time shape bearer answer management of the website until the long term.
3. Stage evaluation, that is To evaluate the success of implementation activity. The evaluation process was conducted with a shared questionnaire to participant coaching that is pokdarwis and all participant training. (Alphath & Qur'ana , 2019, 2019) .

D. Results and Discussion

Implementation activity devotion to society done in Object Tour Mountain Buthak Village Tlogokotes Subdistrict Bagelen Province Central Java 4 September 2022. Problems surveyed priorities from interviews with inhabitants around Mountain buthak village Tlogokotes and observations made together manager group aware tourism (pokdarwis) and analysis urgent need. Implementation agenda next thing to do team devotion that is to plan the program and implementation of the introduction and management program clean water distribution for inhabitants Public area of Mountain buthak.



Figure 2. Coordination submission tool distribution of clean water in the tourist area.



Figure 3. is submission tool distribution of clean water in the tourist area.

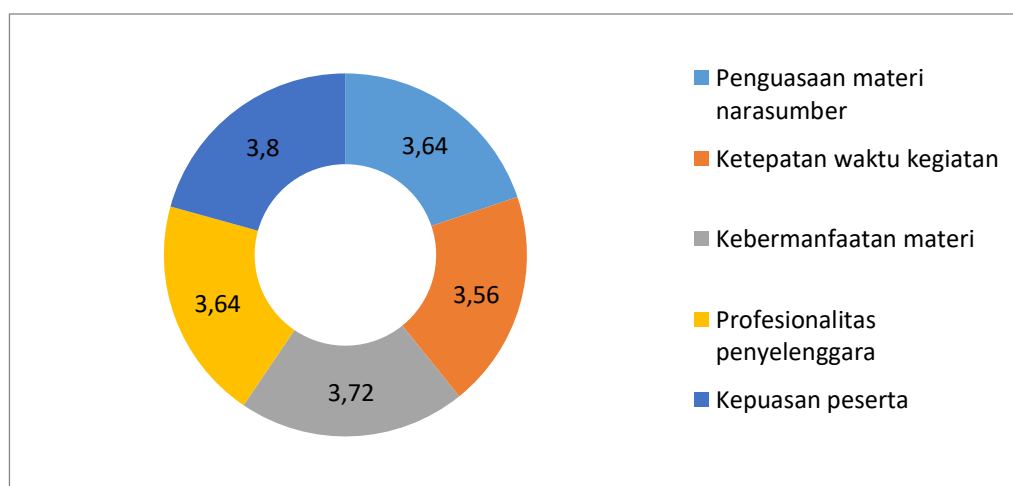


Figure 4 . The results of the questionnaire on the response aspects of the training participants

Based on Figure 4. the results above can be stated that the mastery of the material controlled by the presenters is 3.64, the timeliness in managing activities is 3.56, and the material provided benefits with a score of 3.72. Meanwhile, the organizing committee has a score of 3.64 while the satisfaction of the training participants has a very high score of 3.8.

E. Conclusion

The result of the activity is the implementation of devotion Public related to the distribution of clean water in the village logo kotes. The success of the community service program is based on its goals to provide benefits to the community, partners, villages, and stakeholders. Results positive is knowing the community's response to the application of appropriate technology for the development of Tlogokotes tourism villages and related problems that occurred at the Mount Buthak tourist attraction, Tlogokotes Village, Bagelen District, Purworejo Regency. And the impact on the Tlogokotes village pokdarwis has maximized the use of tourism promotion tools, especially websites, improve the management of tourist villages and provide motivation to remain passionate about developing Mount Buthak's tourism object. Society in Tlogokotes village is also very appreciative and cooperative in supporting organized programs. Apart from that, the village apparatus and government feel assisted by community service activities that have been held related to the distribution of clean water in the village tour.

F. References

- Alfath , & Qur'ana , TW (2019). TRAINING IN COMPUTER NETWORK DESIGN AND MANAGEMENT FOR MEMBERS OF THE INDONESIAN ISLAMIC STUDENT MOVEMENT (PMII) BANJAR DISTRICT. *Journal devotion To the Community MEDITEG* , 4 (1), 22–26. <https://doi.org/10.34128/mediteg.v4i1.41>
- Fadlilaturrahmah & Hidayaturrahmah . (2019). Application Technology Appropriate Use In Effort Enhancement Production Craftsmen Powder It's cold in the Village Dear Banjar Regency . *Journal devotion To the MEDITEG Community* , 4 (2), 1–6. <https://doi.org/10.34128/mediteg.v4i2.49>
- Gunawan , A., & Hazwardy , D. (2020). Digital Entrepreneurship Training for Realize Generation Millennial spirited Entrepreneur . *Abdimas Dewantara* , 3 (1), 81. <https://doi.org/10.30738/ad.v3i1.4311>
- Suyitno, S. (2019). Training Classroom Action Research (CAR) for Gunungkidul Teachers , DI Yogyakarta. *Surya Abdimas* , 3 (2), 44–48. <https://doi.org/10.37729/abdimas.v3i2.321>
- Suyitno, S. (2020a). Safety Riding Training for Teenager House Care Plaosan , Purworejo , Central Java . *Journal devotion To the MEDITEG Society* , 5 (1), 17–21. <https://doi.org/10.34128/mediteg.v5i1.59>
- Suyitno, S. (2020b). Safety Riding Training for Teenager House Care Plaosan , Purworejo , Central Java . *Journal devotion To the MEDITEG Society* , 5 (1), 17–21. <https://doi.org/10.34128/mediteg.v5i1.59>