

Selfie Photos Area and Its Implication to Water Availability and Social Culture in Wanagiri Village, Bali Indonesia

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Abstract--*In the last few years, the village of Wanagiri has become crowded due to place of selfie in the high areas in the background of Lake Buyan. However, the area is a conservation zone that should be protected. This paper aims to discuss what are the implications of selfie photos areato the protection of water availability for Badung, Tabanan, and Buleleng Regency and socio culture in Wanagiri Villages. By direct observation and using the qualitative analysis method, it is expected that the implications can be described in the three districts. The results show that selfies in protected areas can disrupt the availability of water and socio-cultural communities.*

Keywords: Water, Selfie Photo, Protected Area, Social Culture

1. INTRODUCTION

Geographically, Wanagiri Village is located in the District of Sukasada, Buleleng Regency. According to an earth map of Indonesia Wanagiri Village is located at an altitude of 1,300 to 1,387 meters above sea level 2019. (BPS Bali 2019, BPS Buleleng 2019). The position of the village follows the connecting road between the Bedugul Pancasari area and Seririt City. The northern part of the road is hilly so that there are relatively few flat places for settlement construction. The village is located on the north side of the road while the south side is a steep protected area, which is also the shores of Buyan and Tamblingan Lake which are at an altitude of 1,200 above sea level. With this position, the view from Wanagiri Village towards the lake is very beautiful with the background of Hill of Bukit Tapak, Bukit Pohen, Bukit Adeng and Bukit Pengelengan.

The village of Wanagiri is part of the special tourist attraction area of Bedugul Pancasari. Determination as a special tourist destination considering the Bedugul Pancasari area is a source of water supply for Tabanan Regency, Badung Regency, and Buleleng Regency. There are three lakes in this area, namely Beratan Lake, Buyan Lake and Tamblingan Lake. The Bedugul Pancasari area is partly a part of Tabanan Regency, part of Buleleng Regency, and borders with Badung Regency (see Figure 1).

Later this village became famous for the existence of self-photo activities (self-photographs) along the village road(well-known as selfie-photos). Many tourists who come during the day to capture the beauty of nature while taking photos. This photo is then uploaded on social media to add many tourists who want to come. In fact, in the

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same for service providers that open up employment opportunities and income generating for community in Wanagiri Villages and surrounding areas.

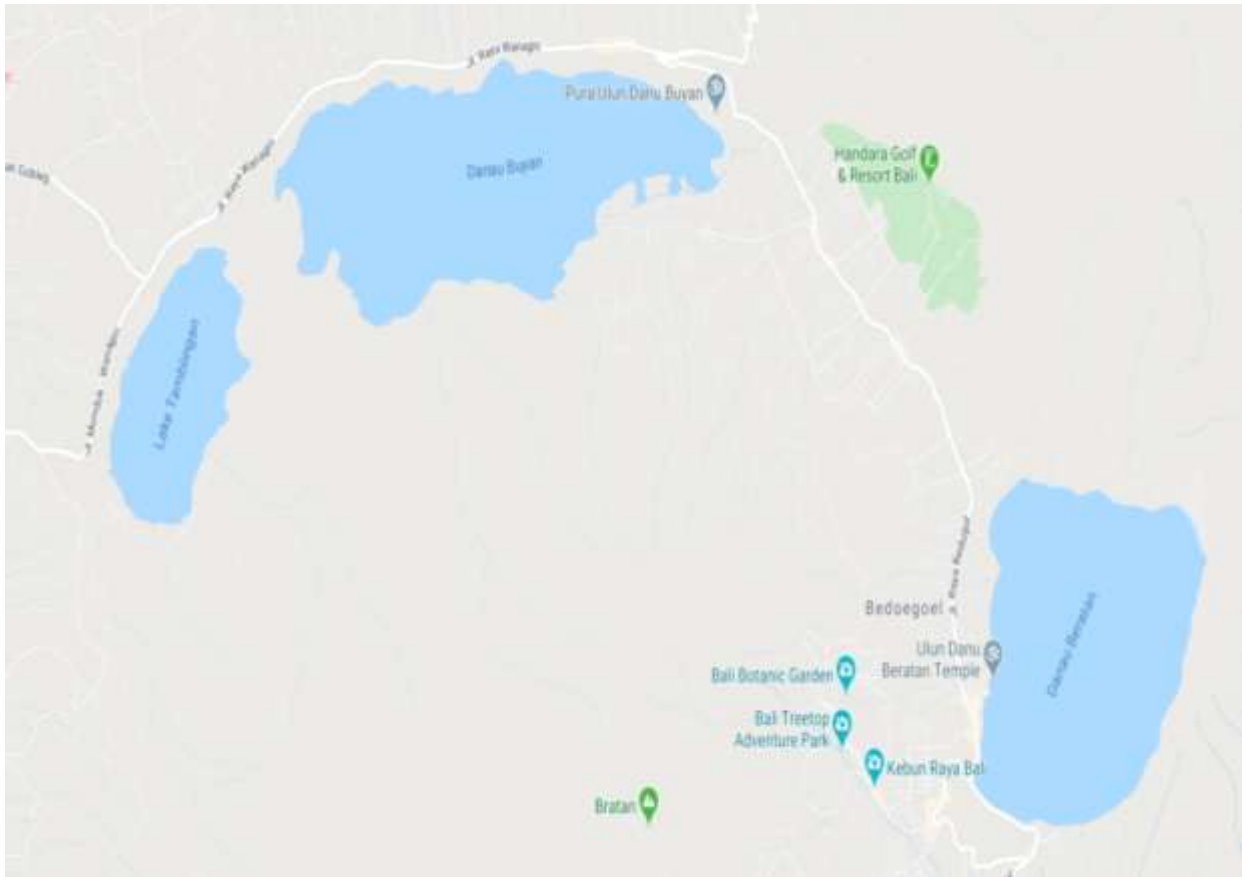


Figure 1. Map of Beratan, Buyan, and Tamblingan Lake

Source: <https://www.google.com/maps>, 2019.

However, the buildings of selfie areas located in conservation areas, which should not be disturbed. In addition, this area is the protected abyss border and the bottom is a lake that is very meaningful for the availability of water in its subordinate areas, namely Regency of Buleleng, Badung, and Tabanan. The research question of the study, what are the implications of selfie photos area in Wanagiri Village to the water availability and socio culture in the subordinate areas?

2. RESEARCH METHODS

This study uses qualitative descriptive. Field conditions are carried out by direct observation to the field (Wanagiri Village). In addition, to support the results of observations carried out a study of the area map that utilizes Indonesian earth map (RBI) primarily to observe the height of the place above sea level, as well as the location of selfies. Based on the physical condition of the region and the function of the area, it is conducted an analysis of the

role of protected areas in the subordinate region (Adhika 2012). It also discussed how socio-cultural views of the surrounding community on the lake. Then, it will be explained the implications for the availability of water and the socio cultural problems of the three districts that are subordinate to it.

3. RESULTS AND DISCUSSION

The self-service photo place of Wanagiri Village is located on the side of the road, on a cliff overlooking the beautiful lake. To carry out self-portrait activities, various unique and interesting shapes, such as: bird cage, heart, swing, tower on a cliff (see Figure 2). This is expected to make photos as if they were above clouds or altitude. Field observations show that the site for the construction of facilities for selfies is located on the edge of a cliff that is protected by local areas. Besides that, the area is also a steep area which should also be protected. Such areas include limitation areas that must be conserved.



Figure 2. Selfie Buildings above the Protected Area

Source: Survey, 2019.

The figures show that buildings were erected on the cliff and in a protected area. The consequence of this development will be disruption of the forest area due to the building. Some trees will be cut down or die for the construction of the selfie facilities. The obstruction of sunlight, the disruption of the life of the trees including the lives of the fauna that live with it is a direct implication of the construction of the selfie vehicle. Indirectly decreased water absorption due to the closure of selfie buildings. Furthermore, it will affect the recharge system and lake water quality.

For the Hindu community in Bali, the lake is a holy area that should be protected. Therefore, in every lake in Bali will be a temple that is assembled with it called the Ulun Danu Temple and all have temples around Lake of Beratan, Buyan, and Tamblingan. Farmers connect their rice field water sources with these lakes. The people in Tabanan Regency, especially the people in Jatiluwih Village and its surroundings will perform a ritual to the lake if the water discharge decreases in the environment (see Figure 3). It is believed that the ritual will run as usual and related to the lake. Likewise, the people in Buleleng Regency routinely carry out ritual activities to the lake in the context of their lives. In particular, the people of Gobleg Village believe that the Buyan and Tamblingan Lake, are the upstream areas that provide life for their people. The ritual is always done based on the calculation of the time of the local community (Budihardjo, Eko. (1991); Covarrubias, Miguel, (1972); Picard 1992; Acton & Lynn, 1977; Adams, 1997; Ritzer 2007).



Figure 3. Ritual in Ulun Danu Temple

Source: <https://balicheapesttours.com/ulun-danu-temple>, 2019.

If the condition of the lake changes with the selfie photobuilding and facilities, it will indirectly change the perspective of the people who believe in the sacredness of the lake that gives life and livelihood (Dwijendra, NKA 2003; Acton & Lynn, 1977; Susilo 2008; Wentling JW 1995). This will have implications for the society perspectives and also change the ritual system carried out by the community. Thus there will be shifts in values in society (Afzalbye & Curtin University of Technology. Dept. of Urban and Regional Planning., 1996).

The Bedugul Pancasari special tourist destination area, including the Wanagiri Village, has been designated as a development zone with limited development and strict guarding (Law No. 41 of 1999, Law No. 18 of 2013). This is because this area is a source of water for Badung Regency on the east side, Tabanan Regency on the south side, and Buleleng Regency on the north side (Ngakan Made Anom Wiryasa & Ngakan Ketut Acwin Dwijendra, 2017, Mitchel 2003). Thus this area became very strategic which affected the three subordinate areas. If this area is disturbed, it is likely that water supply will also be disrupted to its subordinate areas.

With the selfie photo activities, the economic activities of the community increased, especially the people of Wanagiri Village. However, with this activity other communities also came to offer goods and services. Therefore, this region with limited carrying capacity will be increasingly burdened which has implications for other social problems, such as: security and social conflict in the community (Widiastuti, Syamsul Alam Paturusi, Ngakan Ketut Acwin Dwijendra, 2017).

In addition, selfie photo areas will also increase the number of visitors who come. This has an impact on increasing the generation of rubbish and waste, especially rubbish which disturbs the condition of the cliff area where the self-built buildings are located. Then, directly or indirectly will affect the quality of the region.

4. CONCLUSION

From this discussion it can be concluded that the activity of self-photo taking in the Wanagiri Village has implications for the availability, recharge, and water quality of Buyan and Tamblingan Lake. Disruption of the physical conditions of the lake will be able to change the outlook of the community and social culture. Not all potentials should be sold or commodified for tourism purposes, but still pay attention to the sustainability of the physical and socio-cultural environment of the community.

REFERENCES

- [1] Acton, R. T., & Lynn, J. D. (1977). Cell culture and its application. New York: Academic Press.
- [2] Adams D (1997). UNESCO and a culture of peace: promoting a global movement. 2nd ed, Cultures of peace. Paris: UNESCO Pub.
- [3] Adams, D. (1997). UNESCO and a culture of peace: promoting a global movement (2nd ed.). Paris: UNESCO Pub.
- [4] Adhika, I Made. 2012. *Commodification of the Uluwatu Temple Sacred Area*. Udayana University Press.
- [5] Afzalbye, J. B., & Curtin University of Technology. Dept. of Urban and Regional Planning. (1996). Environmental impact of tourism on the coastal regime : the case of the island of Mauritius. (Project (M A)), Curtin University of Technology, Curtin University of Technology., Perth.
- [6] Art, culture & context : examining the evolution of an Australian cultural framework and its relationship to the arts : conference papers 1991. (1992). Adelaide: Community Arts Network of South Australia.
- [7] BPS Bali. *Buleleng Dalam Angka*. 2019.
- [8] BPS Buleleng. *Profile of Wanagiri Village*. 2019.
- [9] Budiardjo, Eko. (1991). Architectural Conservation in Bali. Yogyakarta: Gadjah Mada University Press.
- [10] Covarrubias, Miguel, (1972). Island of Bali. Kuala Lumpur, Singapore, Djakarta: Oxford University Press/PT. Indira.
- [11] Dwijendra, NKA (2003). Bali Traditional Housing and Settlements. Journal of Settlement Natak, Vol. 1 No. February 1, 2003: 8 - 24.
- [12] Gelebet IN (1998). *Arsitektur Tradisional Bali (Balinese Traditional Architecture)*. Denpasar: Bappeda Bali.
- [13] Godish T (2001). Indoor environmental quality. Boca Raton, Fla.: Lewis Publishers.
- [14] Law No. 18 of 2013 *concerning the Prevention and Eradication of Forest Damage*.
- [15] Law No. 41 of 1999 concerning *Forestry*.
- [16] Mitchel, Bruce; B. Setiawan; Dwita Hadi Rahmi. 2003. *Management of Resources and the Environment*. Gajah Mada University Press.
- [17] Ngakan Made Anom Wiryasa & Ngakan Ketut Acwin Dwijendra (2017). Institutional Structure Models in Implementation of Spatial Planning. Journal of Sustainable Development; Vol. 10, No. 4; 2017 ISSN 1913-9063 E-ISSN 1913-9071. Published by Canadian Center of Science and Education.
- [18] Picard, Michel. (1992). *Bali Culture Tourism and Culture Tourism*. KPG Jakarta
- [19] Regional Regulation 16 of 2009, *RTRW of Bali Province*.
- [20] Ritzer, G; Douglas J. Goodman, (2007). *Theories of Modern Sociology*. Jakarta: Prenada Media Group.
- [21] Susilo, Rachmad K Dwi. (2008). *Environmental Sociology*. Rajawali Press.
- [22] Wentling JW (1995). Designing a place called home: reordering the suburbs. New York: Chapman & Hall.
- [23] Widiastuti, Syamsul Alam Paturusi, Ngakan Ketut Acwin Dwijendra (2017). Cultural Value Transformation in Traditional Market Spatial Planning in City of Denpasar, Gianyar and Klungkung – Bali, Indonesia. Journal of Sustainable Development; Vol. 10, No. 4; 2017 ISSN 1913-9063 E-ISSN 1913-9071. Published by Canadian Center of Science and Education.

- [24]Rao, V., Kiran, R.Evaluation of correlation between oxidative stress and abnormal lipid profile in coronary artery disease(2011) Journal of Cardiovascular Disease Research, 2 (1), pp. 57-60.
- [25]Vishnu, V., Shefrin, S., Sreelaxmi, C.S., Nair, S.C.Aquasomes: An excellent and promising system for novel drug delivery(2018) International Journal of Pharmaceutical Research, 10 (2), pp. 207-215.
- [26]Kaveen, P., Singaravel, G.Simulation of Efficient Life-Time in Clustering Approaches for New Approach in Wireless Sensor Network(2018) Bonfring International Journal of Networking Technologies and Applications, 5 (1), pp. 1-2.
- [27]Pradhan, R.K. Psychophysical interpretation of quantum theory (2012) NeuroQuantology, 10 (4), pp. 629-645.
- [28]S. Elavarasi, **G. Suseendran**, “Automatic Robot Processing Using Speech Recognition System” Advances in Intelligent Systems and Computing, *Data Management, Analytics and Innovation*, Vol.1, October.2019, pp. 185-195, https://doi.org/10.1007/978-981-32-9949-8_14.
- [29]K. Hussain, S.J. Hussain, N.Z. Jhanjhi and M. Humayun, “SYN Flood Attack Detection based on Bayes Estimator (SFADBE) For MANET”, International Conference on Computer and Information Sciences (ICCIS), 1-4, 2019.