

A Correlation Between Teens' Pak And Teens' Willing For Toba Lake Nature Conservation In North Sumatera Indonesia

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Abstract. PAK stands for pendidikan agama kristen which means christian based education that nurtured towards the christian students at various schools around Indonesia. The population of the study was the VIII graders of ; SMPN-1 (secondary school) of Pangururan, SMPN-1 Sianjurnmulamula, SMPN-3 Pangururan, SMPN-3 Samosir, in academic year of 2017/2018, with a total number 500 students. Technique of sampling was done by random sampling of which the sample that was taken randomly consisted of 20% from the population, with a calculation ; $500 \text{ students} \times 20\% = 100$ students. The result showed that the instrument of variable-X and variable - Y were valid within $r\text{-obt} < r\text{-tab}$, means that $0,632 (r\text{-obt}) < 0.694 \text{ to } 0.953 (r\text{-tab})$, with a significant level of 95 % and alpha 5 %, $N = 10$, using one tailed-test. Further more, the questionnaire was also reliable to use, of which $r\text{-obt} = 0.635$. For tryout test, the formula ised was spilt-half by Spearman brown of which $r\text{-obt} = 0.671$, and $r\text{-tab} = 0.195$. it means that $r\text{-obt} > r$ table for a significant level of 0.95 and $\alpha = 0.05$, $n=100$, using one - tail test. for Hypothesis testing using the F test obtained $F\text{-obt} > F\text{-tab}$ similar to $23.75 > 1.62$ thus H_0 was rejected.

Keywords: Teens' PAK, Willing in protecting, Toba Lake Nature Conservation

1 Introduction

Recently, Toba lake environment got a very crucial degradation that damages the quality of local tourism. One of the damage causes is earthquake which can decrease water debit of Toba Lake up to 4 m speed during the decade of 2000-s. Such a damage can impact to the echosystem and echotourism around the environment itself. Therefor, either scientists or religists are needed to protect and to conserve the environment to save it for longer life. Sense of protection is raised in human personality if they possess a good knowledge and goodness from their religion, to be their power to manage a good nature. In PAK (christian based education), it is educated for students that nature is one of God creation, of which the human has a task to responsibly protect, conserve, and manage it, see (Genesis 2 ; 15).

Toba Lake Nature (TLN) is one of God's blessed creation for human beings around, which has a space to live, ecology, culture, economic, education, scientific knowledge, tourism, amd bio-diversity for human being around the world and especially for Bataknese tribe who majorly live Toba lake around, Simalungun district, Northt Sumatera Indonesia, can

be destroyed by the human being themselves if they do not obey the rules of nature conservation. In this case, there are various factors that can destroy TLN, so that it is needed some efforts to fix and improve, to avoid any disturbances that can destroy TLN. A complex damages of TLN can engage various risk-takers to overcome the problems they encountering with. The participation of the local society is the biggest effort for TLN conservation. The main thing to do is how to elicit people care upon the nature of Toba Lake, so that they can maintain a balance life of ecosystem around. It has also a correlation with the teens' PAK that they get from school, the deeper they have christian education, the bigger their competence in conserving the nature around, especially TLN.

2 Theoretical Concept

2.1 Concept of PAK

According to Campbell Wyckoff (1957) PAK is a kind of education that educates every one towards God's love in Jesus, to make them realize about their existence, so that they grow as God's children who follow the way of Jesus to love. Moreover, Homrighausen (1955) in a christian conference at Sukabumi said that PAK is a process which brings every body to live in a unity of God, live to worship God, and God is in every action of life wherever and whenever. Christian based education is centralized to God, every body is enabled to live in accordance with God's love and purposes. Education in God has been begun since God created this world and sky, see (Genesis 1 ; 1). This verse proves that every thing comes from God includes knowledge. In this case, God is centralized, and educating is done to introduce Who God is, then educating process was derived to Abram, in which he should educate his children about life in God, see (Genesis 18;9).

2.2 Concept of Toba Lake Nature

Toba Lake is a biggest lake in Indonesia and the biggest volcanic lake in the world about 1.130 KM² in width, the deepest basic point of 529 m, see (BKPEKDT 208). Toba lake is an oligotrophic lake which lacks of nitrogen, phosphorus, calcium, and sulphur, (Hehanusa, 200). Toba Lake Nature is a place of society to earn things for their life such as : agriculture, sailor, business, farming, and industries. The water of Toba lake is used majorly for irrigation and sailing, and the biggest income from Toba lake is as ecotourism and the government make samosir , part of Toba Lake as a priority tourism destination. Nature pollution is a big avoidable problem against Toba Lake, therefore the society around should be able to avoid it even in various strategies and tricks, for the purpose of avoiding loss for society. Such a loss can be occurred in different sides for instances : social economy, ecotourism, ecology that decrease water quality and debit. Conserving TLN is certainly engaging all stakeholders especially the society around to protect the lake and actively participate in all conservation events.

3 Method of Research

This study used inferential quantitative method. According to Sugiono (2010) quantitative method is a positivistic philosophy base with characteristics such as : there is a population or certain sample, using instrumentation for data gathering, statistical or quantitative work for testing the hypotheses.

4 Discussion

The raw data was analyzed as the following : 1) Tryout analysis ; correlation test by using split-half Spearman Brown formula with the result of $r_{-obt} = 0.671$, and $r_{-tab} = 0.195$, at a significant level of 0.95 and $\alpha = 0.05$, $N = 100$ using one-tail test. It was found that $r_{-obt} > r_{-tab}$ similar to $0.671 > 0.195$.

Hypotheses testing

To test the hypotheses, the formula used was F-test with a result of $F_{-obt} > F_{-tab}$ or similar to $23,75 > 1,62$. it is inferred that H_0 was rejected and automatically H_a was accepted, which means that there is a significant positive correlation between variable – X (teens' PAK) and variable – Y (teens willing for Toba lake conservation).

4 Conclusion

PAK is a part of church obligation to educate students to be familiarized with God's love and willing in a unity of the trinity of God ; Father – Son – Holy Spirit, so that the students able to act in life based on the God's willing. PAK at schools is christian base education that functioning for improving the students knowledge togetherwith their obedience to GOD for their quality improvement for the sake of Nation quality improvement. Focusing on TLN (Toba Lake Nature), to avoid any damages it is suggested to maintain nature conservation by all the stakeholders engaged especially the society around the lake. Such an effort is certainly started from the teens or the students who are in VIII grades of secondary schools around Toba lake, Simalungun district, North Sumatera Indonesia.

Implication

For TLN conservation, it needs conservable efforts from all the stakeholders especially the society around the lake, therefor, it is important to educate the people with PAK (christian based education) starting from the teens who study in secondary schools. Teens are part of the people who begins to learn and to know responsibility of life. To gain a good education and strong responsibility in characters, it is suggested for the students to have PAK as religious education that centralized God in every action of liff every body centralized God in action of life, it is automatically to do all the goodness, concerning to the nature and social life.

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