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# Role of Eden Park Ecotourism 100 Local Economic Evelopmenting the District Lumban Julu Indonesia

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The existence of the object of ecotourism Garden of Eden 100 to be accepted by society as a customs received positive support from respondents of 74.43%, but 25.12% of respondents there is also undecided. The climate of the Taman eden in rainy day have an effect to the coming of the people there, but the location of Taman Eden100 is strategic enough and has positiveres ponds. The ecotourism of Taman Eden hasn't taken a part yet in the development of the economy of local society there.

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## I. PRELIMINARY

In order to attempt to improve the welfare of people in Indonesia , the government is currently in full swing in implementing national development in all fields. The objective of national development is to realize the ideals that just and prosperous society [10].

At this time the central government has given broad authority to local governments to carry out the development of their respective regions. This is reinforced by the issuance of Law No. 32 of 2004 on local governments and law number 33 of 2004 on the financial balance between the central government and local governments, this is a manifestation of central government policy to empower and improve the ability of public areas in order to boost the economy area. This authority encompasses all aspects of government. Namely financing authority area can dig while also being able to enjoy the resources and economic potential of its natural resources without too much intervention from the central government [4].

It will be able to have an impact on the progress of the regional economy, which in turn created regional development. The context of regional development which can be developed one through the tourism sector. Indonesia puts in tourism as a priority for development, especially in regions where tourism potential, it is possible to see the natural state rich with forest products as well as beautiful natural scenery [3], [10].

Forest resources can provide direct benefits through nature tourism activities. Nature tourism or ecotourism is the trip to the place where nature is still relatively undisturbed or contaminated with the aim of studying, admiring and enjoying the scenery, vegetation and wildlife, as well as other forms of cultural manifestation that exists. Potential objects and natural tourist attraction owned by, among others, in the form of biological diversity, uniqueness and authenticity of traditional culture, the beauty of the landscape, natural phenomena, historical heritage / cultural optimally for the welfare of society. Overall tourism potential and natural tourist attraction is an economic resource of high value and is a media education and environmental conservation. In the development of nature tourism activities are positive effects and negative effects, both in economic, social, and natural environment [3], [6], [11].

Positive impact among others, additional source of income and foreign exchange, provide employment and business opportunities, encourage the development of new businesses, and is expected to increase public awareness / rating on the conservation of natural resources. The positive impact needs to be improved from the past and present. Negative impacts include the disruption of objects and tourist attraction that erosion and the emergence of social inequality. The negative impact of this needs to be addressed and tackled jointly between the parties concerned [9].

One of the natural attractions is the Garden of Eden 100 that have the potential and natural tourist attraction famous for reat-reat location, rock climbing, cave bats, tree house, Orchid Toba (Tahul-tahul), nursery plants and forest fruits, waterfall located on the Silo River area has a very interesting ecotourism potential to be developed into a management-based

ecotourism with the conservation of nature. Development of Parks Eden need to pay attention to biophysical conditions and uniqueness as a tourist attraction environment that can result in a negative impact on the tourist attraction.

a) *Research Purposes*

This study aims to analyze how the public response to the object of ecotourism Garden of Eden 100 and analyze how the role of ecotourism objects in the Garden of Eden 100 local economic development.

II. METHODOLOGY

a) *Scope of Research*

This study emphasizes the role of ecotourism object 100 Eden Park against the economic conditions surrounding the object ecotourism in particular economic conditions of rural communities Lumban Rang Indonesia. Does the existence of tourism in that area have a role or a good contribution to the community perkonomian.

b) *Data Collection Techniques*

In gathering the necessary data, the technique used is as follows;

i. *Questionnaires*

In this penelitian author directly using a list with the type of option, this option type of questionnaire respondents' intention is only asked to choose one answer or lehih of the many answers or alternatives have been provided.

ii. *Interview*

The interview is an oral question and answer process, where two or more people baerhadapan each other physically, which is where the interview is used to find data or information to parties related to tourism. The questions in the interview guide should be understood as guidance, so that enumerators can develop any questions to dig deeper information.

III. ANALYSIS

Descriptive statistics are statistics used to analyze the data in a way to describe or draw the collected data as it is without intending to generally accepted conclusions or generalizations (Sugiyono 2002).

This study used how to construct a frequency table and a description of the explanation of the primary data questionnaire. Frequency table is useful to know the distribution of respondents. Results of the questionnaire respondents on the response contains five alternatives are: a). Strongly agree. b). Agreed. c). Doubtful. D). Disagree, e). Strongly disagree

Responder results were analyzed by calculating the percentage of the responses and then into

categories in accordance with the opinion of Arikunto (2006), as follows:

- a) The average value of between 86% -100% very good category.
- b) The average value of between 76% -85% good category.
- c) The average value of between 66% -75% medium category.
- d) The average value of between 40% -65% unfavorable category.
- e) The average value of less than 40% is not good category.

IV. RESULTS

a) *Conditions in the Garden of Eden 100 Geographic*

Forest Nature Garden of Eden 100 is administratively located in the hamlet of North Sionggang Lumban Rang village, District LumbanJulu, Toba Samosir, North Sumatra Province with a total area of ± 40 ha. Geographically located between 02° to 02° 42'00`` 39'00`` BT BT and 099° to 099° 64'00`` 62'00`` LU LU. This location is approximately 16 km from Parapat Balige towards the city and 55 km from the city Balige towards Parapat. Forest Tourism Eden borders:

- North : District of Ajibata Simalungun
- South :Sionggang Village Central and South Sionggang
- West :District of Sipanganbolon
- East :Lumban Julu

i. *Topographic*

Eden Nature Park Forest, Toba Samosir is located at an altitude of 1100-1750 m above sea level consists of high cliffs, steep ravines and rushing river.

ii. *Climate*

Climate in the forest area of natural Garden of Eden with relative humidity ranging from 96.64%, 1627.98 lux light intensity meter, air temperature during 20, 01 ° C and wind speeds ranging 1 to 4 knots.

iii. *Type of soil*

The type of soil in the forest area of natural Garden of Eden, the land finely textured clayey, sandy loam, clayey loam, fine argillaceous, clay dusty, dusty loam, clay loam dusty dusty and smooth, with a soil pH and soil temperature ranged from 6.36 20,96°C,

iv. *Vegetation*

Based on observations in the study area, vegetation commonly found that of the family, Theaceae, Pinnaceae, Hammamelidaceae, Cunoniaceae, Aralia-ceae, Annonaceae, Fagaceae, Sthyracaceae, Mellia-ceae, Myrtaceae and family Orchidaceae.

b) *Tourism conditions*

The number of domestic tourists who visit the Garden of Eden 100 2009 as many as 9016 people, an

increase of 6.12% compared to a year ago. In general, the activities of tourists visiting the area of the Garden of Eden ecotourism object 100 is divided into two (2) activities, namely: the spiritual and enjoy the atmosphere in the beauty of nature.

c) *Based on visitor characteristics of the Group of Social and Economic Visitors.*

Eden Park visitors ecotourism object 100 consists of a variety of economic levels, ranging from the weak economy, middle, and top, as well as with age, ranging from children, teenagers, adults, and seniors groups. Social class above can be distinguished from the different types and models of vehicles used to the sights, as well as the level of other social groups, dengam traffic patterns are used, among other things:

- Individuals, usually consisting of one or two people and mostly uses sepda motors.
- The family, usually consist of four or five people to use the car priadi
- The large family or group, usually consisting of nine to fifteen people using vehicles minivan, the van is being, or pickups.
- Large group, usually consisting of twenty, thirty or more people using the vehicle bus, or pickups.

There are several types of object properties tourists visiting the Garden of Eden 100 ecotourism, among others:

- On the day of regular visitors who come to the Garden of Eden just as transit (not the main visit), for example, to lunch with colleagues before continuing the journey to the place to another, and generally is an individual.
- On the weekends, Sundays or holidays / large, ecotourism objects Garden of Eden 100 be the main objective of both individuals, families, or groups.

Visitor activity in ecotourism objects Garden of Eden 100, is divided into several parts, namely: to enjoy pemandangan Nature, enjoy spiritual activities, camping, hiking, bring your friends, family and leisure guests

In the area of ecotourism Garden of Eden 100 objects readily available drinks or snacks (snacks), but some visitors deliberately bring their own food and side dishes from home, they only pay the fees of Rp 5,000 per person.

Results of research conducted that the information obtained for the development of tourism, which is owned by tourists preperensi must be known with certainty. This relates to the pattern of regional planning and development in the future. If viewed from the arrival of the tourists who come there individually means not through tourist packages, where travelers can leave the tourist area at will. This is the weak side as it attempts to extend the length of stay is less tourists can be performed optimally.

Unlike the tourist arrivals in package (group) that has been programmed schedule of activities and a long residence in a tourist area. With this pattern a visit with the package system is programmed and organized, and also long residence time and the amount of their spending in the region will be a tourist attraction can be improved.

d) *Infrastructure*

According to which there is a potential for ecotourism area of the Garden of Eden 100 objects and see the development in this area, the government and society seek to provide facilities and infrastructure. Means good transport will be able to improve the efficiency and effectiveness of user resources, both human resources and natural resources, which in turn will be able to spur economic growth. Therefore it needs to be supported by good transport system because transportation is one key to the success implementation of regional development programs as measured by the parameters of economic development.

Infrastructure is also a key requirement for regional ecotourism object of the Garden of Eden 100, where the results of observations obtained in the field shows that the region is already available clean water, electricity, telephone, and environmental sanitation, but still limited

Electric lighting and communication in general has reached largely District of Lumban Julu including in the area of the Garden of Eden object 100. A variety of ecotourism infrastructure and facilities available in a tourist area is one of the important elements or support in the construction / development of a tourist area.

In addition to infrastructure and facilities as mentioned above, in the district of LumbanJulu also been available, namely health centers, houses of worship, education, post offices, banks and traditional markets

Prediction is based tourism activities with the condition and potential ecotourism area of the Garden of Eden object 100. As for the tourist activities that are likely to occur in the area of the Garden of Eden 100 tourist attraction is the variety of activities related to the potential environmental Lumban Julu, such as agro-tourism activities, cross-country, camping and spiritual activities.

There are two important things into consideration base for ecotourism development land area of the Garden of Eden 100 objects, which emphasizes the preservation of the natural environment and landscape-specific, give major benefits to local communities, does not give rise to significant negative impacts, the process of gradual and sustainable development

e) *Respondents Against ecotourism places the Garden of Eden 100*

To determine the role of ecotourism objects in the Garden of Eden 100 local economic development

cannot be separated from the community and government participation in maintaining and caring for these attractions so as to attract tourists to come and visit back ecotourism Garden of Eden 100 in terms of location, infrastructure and the proposition and of In terms of community service and promotional objects tour so as to develop the local economy community in terms of people's income, employment opportunities and the development of economic activities surrounding communities.

Statement filed to the respondents on ecotourism objects Garden of Eden 100 originally done in the form of a list of statements (questionnaire) and frequently asked questions that occur naturally and then developed the list of questions posed to respondents in the form of the usual questions such as the location of the Garden of Eden 100 objects ecotourism is appropriate for became a tourist attraction, an object of ecotourism Garden of Eden 100 has been positioned fatherly developed, ecotourism object Garden of Eden 100 does not interfere with the public, making a living in the main job for the local people, the object of ecotourism Garden of Eden 100 affected by the climate.

For the object statement ecotourism Garden of Eden 100 are affected by the climate, the majority of respondents stated strongly agree by 49.22%, 33.18% who agree and who expressed hesitation of 11.38% and are stated strongly disagree at 6:22%.

If viewed from the analysis of the net balance can be stated that the location of the Garden of Eden a 100 ecotourism object is in conformity with the tourism activity very positive feedback which amounted to 82.40% of respondents received positive support from respondents, however 11:28% of respondents have also stated to bad doubt. The existence of the object of ecotourism Garden of Eden 100 to be accepted by society as a customs received positive support from respondents of 74.43%, but 25.12% of respondents there is also undecided. Object ecotourism Garden of Eden 100 very strategic to be developed to get a positive response supported by 87.91% and 9.89% of the respondents there is also undecided. The existence of the object of ecotourism Garden of Eden 100 does not interfere with the activity of the community in making a living from primary workers received positive support of 88.06%, but 11.94% of respondents there is also undecided. Object ecotourism Garden of Eden 100 is not affected by the negative climate supported by 61.53% and amounted to 15.38% of respondents expressed hesitation, this shows that if the climate is not good then only a few tourists who visit these attractions.

This shows that the object of ecotourism Garden of Eden 100 worth less both as a tourist attraction. Because respondents gentleness at the position values between 40% -65%. This shows that the object of ecotourism Garden of Eden 100 worth very good and still need to be developed further in order to become a better tourist attraction

If seen from the statement of the infrastructure and tourism facilities in the Garden of Eden ecotourism object 100 needs to be increased again, we can see on the roads are very good and can be traversed by public transport and private vehicles with ease, the tourist area also needs to be improved health facilities, places of worship, and lodging facilities and restaurants, so for tourists who want to visit the ecotourism object little difficulty.

If viewed from the side of tourism promotion to get the percentage of respondents' statement amounted to 36.64%, this indicates that there is still a lack of promotion of tourism in this case can be improved in order to lure more tourists to visit towards these attractions. If viewed from the side of services to travelers get the percentage of respondents statement amounted to 38.45%, this indicates that the rating services to poor communities, and this needs to be improved in order to attract tourists to visit tourist attraction Garden of Eden 100.

This indicates that the role of the object ecotourism Garden of Eden 100 has not been maximized, there are other indicators that have a considerable role to the tourism activity of the Garden of Eden 100.

#### f) *Role of Ecotourism places the Garden of Eden 100 in Local Economic*

Development based on the results wawan way with one of the people who live in the Garden of Eden 100, works as a farmer (Boru Harianja age 53 years) explained that they are very pleased with the object of ecotourism Garden of Eden 100, but they are as a people who are around the object ecotourism yet economic benefit to the surrounding community. This can be seen clearly that tourists who come to the site of the Garden of Eden 100 no shopping out of the tourist sites when infrastructure facilities food / snacks, daily necessities, souvenirs are still very minimal.

With no economic improvement around the object tersetuhnya ecotourism Garden of Eden 100 needs to be increased so that the development of people's income increases. With rising incomes, the economic activity Garden of Eden 100 increase.

## V. CONCLUSIONS AND RECOMENDATIONS

### a) *Conclusion*

- Based on the respondents were obtained during the study that the object of ecotourism Garden of Eden 100 has great potential to be developed into ecotourism, but if viewed as the fact object ekwisata Garden of Eden 100 still needs intensive care.
- Based on the results of research and discussion to focus on the problems that exist in this study it could be that the object of eco-tourism in the Garden of Eden 100 does not have a role in local economic development of local communities,

because with the object of ecotourism Garden of Eden 100 has not been touched in incomes.

b) *Recommendations*

- Object ecotourism Garden of Eden 100 is a regional asset, and therefore should remain on guard and well preserved.
- Based on community feedback about the role of ecotourism objects in the Garden of Eden 100 local community economic development shows that the role of ecotourism objects Garden of Eden 100 has not been instrumental in local economic development community. However, to further good development of the local economy, there are still other variables and indicators which have a better role in the economic development of local communities as role in agriculture, education and other fields.

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