

AN IMPROVEMENT OF LOCAL ESTABLISHMENT IN SUSTAINABLE DEVELOPMENT PERSPECTIVES

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Abstract: *Local wisdom is the knowledge of the community that emerged from a long period of evolution between the community and its environment. Local wisdom by some people is used as a basis for principled environmental management towards sustainable development. Technological advances in the era of globalization have influenced the use and existence of local wisdom because these values or customs are deemed no longer suitable with the progress of the modern era. On the other hand, if examined, the principles and concepts of local wisdom can continue to coexist with this globalization era, instead can be used as a reference for sustainable development after of course through empowering these local values and knowledge. Empowerment of local wisdom can be done through various aspects such as increasing local values through the use and use of advanced technology; strengthening community institutions managing natural resources, enforcing implementation through stipulation of regulations (positive law) and so on.*

Key words: *local wisdom, sustainable development, community-based management.*

1. INTRODUCTION:

Harbaugh's research involves Genetic Algorithms to generate keys. Two models will separate the key. It is also seen in the following picture. One of the factors of economic growth that must be owned or controlled by an area is natural resources. There are two kinds of natural resources namely nonrenewable and renewable natural resources. The availability of natural resources in meeting the need to live at a certain level of social stability is called environmental carrying capacity. So, the carrying capacity of the environment is the ability of the environment to support the lives of all living things [1].

The distribution of natural resources on this earth is not evenly distributed, there are parts of the earth that are rich in natural resources, but some are poor. There is good land for agriculture. Some are not. Therefore, so that the natural potential is beneficial sustainably, the exploitation of natural resources must be accompanied by protective measures [2]. Maintenance and protection of the environment must be carried out rationally, including;

- (1). Utilize natural resources that can be carefully and efficiently renewed;
- (2). Use substitute materials, for example, the results of processing metallurgy (mixture);
- (3). Develop methods for mining and processing efficiently, and recycling;
- (4). Implement environmental ethics based on the philosophy of living peacefully with nature.

The government's efforts so far in the use of natural resources for more development to tax imposition for compensation for environmental pollution for industries that are environmentally friendly. Besides, environmental management requirements for the company through the mechanism of Environmental Impact Assessment [3]. This step is still not effective in helping harmonize growth. economy and environmental conservation.

The government policy must continue to be improved, including digging up local values and arrangements or local wisdom to be applied in the management of a sustainable environment [4]. Local wisdom is a human and community policy that relies on traditional philosophies, values, ethics, ways, and behaviors that are traditionally managed to manage natural resources, human resources, and cultural resources sustainably [5].

The support of an indigenous citizen in the form of local wisdom is significant because indigenous people have strong motivation and get the most valuable incentives to protect their environment. Indigenous people have strong values and motivations compared to other parties because it concerns the sustainability of their lives. Indigenous peoples have a fundamental knowledge of how to maintain and utilize the resources in their habitat. Indigenous people have the customary law to be enforced. Indigenous peoples have customary institutions that govern harmonious interactions between them and their ecosystems. Commitment and synergy of all political strengths of the community are needed for the development process that is harmonious and broadly beneficial for all communities by involving the values of local wisdom [6].

2. MANAGEMENT OF NATURE AND LOCAL RESOURCES:

2.1 Sustainable Development

Sustainable development that is environmentally sound is a translation of "sustainable development," the concept of development that was previously known is more popularly used by the term "environmentally sound development" as a translation of "Eco-development." The assertion above shows that the implementation of sustainable development that is environmentally sound is closely related to the utilization/utilization of natural resources as an asset realize people's welfare [7].

Development is basically to create and improve the welfare of all people on an ongoing basis and marked by positive economic growth. The utilization of natural resources is one of the capitals of the regional development process. Regional development will be sustainable if the sources of growth are maintained at all times. Therefore, it is essential to preserve natural resources for the benefit of present and future generations (Soemarwoto Otto, 1986). For Indonesia, a positive contribution in contributing to economic growth and foreign exchange sources and development capital is from natural resources. Natural resources have an essential role in the Indonesian economy both in the past, present and future [8].

On the other hand, sustainability of its availability is often ignored and so makes the rules that should be adhered to as the basis for managing a business and activities to support development from the economic sector are not given enough attention. The tendency to decrease the carrying capacity of the environment and the depletion of the availability of natural resources as well as a decrease in the quality of the environment is felt. In general, it can be said that all types of natural resources and environmental components must be managed according to the carrying capacity.

2.2 Local Wisdom in Natural Resource Use

The policy of using natural resources must have a macro vision to create a sustainable ecology. While the micro vision is to maintain sustainable types of diversity. Also, the use of natural resources must also have a sense of intragenerational justice (between groups of people) at this time and intergenerational justice. Local wisdom creates harmony between nature and society. Local wisdom grows from the character and culture of the society that has been rooted and has been passed down through generations as a way of life to unite social culture with the surrounding environment (Nurjaya I Nyoman, 2008). For indigenous people to place fundamental problems as a form of interaction in response to all human behavior (society) who treat them. Humans are created by God as leaders on earth, to manage nature with all its contents well and correctly so that it is useful for humans continuously. The process of natural management by humans needs to be seen whether the treatment is in the context of isolation so that nature will balance with its power because nature has the absolute nature of obedience to His God. The use of nature in this view is not only regarding the knowledge of the universe as a system but also the social phenomena that arise from human interaction with various problems faced as classical verses.

Human behavior can be observed,

cared for, understood and lived gave birth to the awareness and belief in the truth in relation to normative values (law), not only must be obeyed as an obligation but also awareness and belief in the mercy or wrath of nature which always directs people towards safety and welfare or vice versa to destruction / disaster.

Local wisdom contains understanding as a form of a harmonious relationship between humans and nature or vice versa; local people understand the wisdom in totality in utilizing natural resources. Compliance with the customary law, which is primarily inherited from previous generations must be appropriately used by paying attention to the impact on future generations. Natural resources are utilized optimally but not to be spent because therein are the rights of the next generation. Therefore, it is essential that natural resources be managed optimally and sustainably in the long-term process as the necessary capital for sustainable development so that it can be passed on to future generations.

3. COMMUNITY-BASED MANAGEMENT METHODS IN STRENGTHENING LOCAL WISDOM:

Efforts to utilize technology inherently can be said as a step to help / sharpen local wisdom. Natural management and management as part of regional development efforts have a correlation in creating strategic and tangible steps in optimizing and developing the potential (social, cultural, economic, political and security) of the region.

Technological progress as an effort to increase sharpness in local wisdom is very appropriate. In natural conditions that are easily detectable, knowledge that is only based on natural signs they are familiar with, but there are complex natural conditions that require the use of technology in reading these natural signs. One example of the use of technology that can support the level of accuracy is in the case of early warning systems. Through this system can help people to read the signs of nature earlier. Thus, efforts to utilize natural resources in an area can run well without any concern about problems or disasters that can interfere.

Environmental management including prevention, prevention of damage and pollution as well as restoration of environmental quality have demanded the development of various policy and program tools and activities supported by other environmental management support systems. The system includes institutional stability, human resources and environmental partnerships, in addition to legal and regulatory tools, information and funding. The interdependence and holistic nature of the environment has the consequence that environmental management, including its supporting system,

cannot stand alone, but is integrated and becomes a spirit and compound with all sector and regional development implementation.

4. RESULTS OF ANALYSIS OF THE ROLE OF LOCAL WISDOM IN SUPPORTING SUSTAINABLE DEVELOPMENT:

Among the phenomena or forms of culture, which are a core part of culture are values and concepts basic concepts that provide direction for various actions. Therefore, it is not surprising that this problem is the concern of many parties, especially in the midst of a growing community. Culture as a whole is related to the identity of modern society which relies more on the advancement of science and technology. This problem becomes even more important if it is linked in the perspective of sustainable regional development.

Local wisdom is an informal institution that regulates the relationship of processing resources in a society. Local wisdom has a strategic role in the process of learning how to manage nature so that harmony is established not only in the form of economic but also socio-cultural benefits. This can be explained that the tradition (invented tradition) implements certain values and norms of behavior automatically implies the existence of continuity with the past which is associated with the growth of sustainable development.

Local wisdom and decentralization are reciprocal functional relationships, one side of local wisdom as a socio-cultural potential that provides input to the region to be cultivated and used optimally while in terms of decentralization, regions have the authority to process socio-cultural potential.

Humans in meeting their needs need natural resources, in the form of land, water and air and other natural resources that are included in renewable and non-renewable natural resources. However, it must be realized that the necessary natural resources have limitations in many ways, namely the limitations on availability according to quantity and quality. Certain natural resources also have limitations

according to space and time. Therefore, good and wise management of natural resources is needed. Between the environment and humans are closely related. There are times when humans are very much determined by the state of the environment, so that their activities are largely determined by the circumstances of the surrounding environment.

Another role of local wisdom in supporting sustainable development is to improve the welfare of the community by avoiding the exploitation of natural resources excessively beyond the ability of its carrying capacity. Increasing the carrying capacity of the environment and natural resources in the utilization of natural resources is very important.

The principle of natural resource management evolves evolutionarily as an accumulation of the findings of indigenous peoples' experiences for hundreds of years. The principle is multi-dimensional and integrated in the religious system, social structure, law and institutions or institutions of indigenous peoples concerned. However, these indigenous communities have been able to prove themselves able to survive with existing local systems. Local communities in the countryside no longer define and refer to themselves as indigenous peoples, in a sustainable manner applying traditional wisdom (knowledge and procedures) in their lives, including in utilizing resources and biodiversity to meet the needs of life, such as treatment, food supply, and so on. The future of our life as a nation, including its wealth of resources and biodiversity, is in the hands of indigenous peoples sovereignty maintains indigenous wisdom and natural resource management practices that have been proven to be able to support their lives and safety as communities and at the same time support the function of natural ecological services for the needs of other creatures more broadly.

5. CONCLUSION:

1) Local wisdom is explicit knowledge that emerges from a long period of evolving with the community and its environment. Therefore it is very strategic if it is used as a basis for development because people know what is needed and good for them. Furthermore, local wisdom managed with synergy can be a strong motivation to get the most valuable incentives in long-term development.

2) Application of local wisdom can overcome problems related to the use of the environment with development. These problems can arise due to the development process that does not pay enough attention to the carrying capacity of the environment in this autonomy era, there is a tendency to pursue Regional Original Revenue through excessive exploitation of natural resources and beyond its carrying capacity.

3) The use and use of technology that is in accordance with the values of local wisdom is very necessary, this is to increase the level of accuracy the community in reading natural signs that they have understood so far while increasing the carrying capacity for nature and the environment.

4) Empowerment of local wisdom can be done through institutional strengthening, dissemination of information, mastery of technology, strengthening regulations, and its application in the form of laws, government regulations, regional regulations, and other arrangements that support sustainable development efforts.

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