

Asian Journal of Environment & Ecology

8(1): 1-12, 2018; Article no.AJEE.45394 ISSN: 2456-690X

# A Study of Alishan Indigenous Tribal Tourism Development in Taiwan

Hsiao-Ming Chang<sup>1</sup>, Chiu-Hui Hung<sup>2</sup> and Chin-Lung Chou<sup>3\*</sup>

<sup>1</sup>School of Physical Education, Putian University, China. <sup>2</sup>Department of Tourism, Leisure and Entertainment Management, Tatung Institute of Technology, Taiwan R.O.C. <sup>3</sup>Department of Tourism Leisure and Health, Ching Kuo Institute of Management and Health, Taiwan R.O.C.

# Authors' contributions

This work was carried out in collaboration between all authors. All authors read and approved the final manuscript.

# Article Information

DOI: 10.9734/AJEE/2018/45394 <u>Editor(s):</u> (1) Dr. Daniele De Wrachien, Professor, Agricultural Hydraulics at the Department of Agricultural and Environmental Sciences, State University of Milan, Italy. <u>Reviewers:</u> (1) Cem Işik, Atatürk University, Turkey. (2) Toansakul T. Santiboon, Curtin University of Technology, Australia. (3) Atilla Akbaba, İzmir Katip Çelebi University, Turkey. Complete Peer review History: <u>http://www.sciencedomain.org/review-history/27477</u>

> Received 10 September 2018 Accepted 20 November 2018 Published 29 November 2018

Original Research Article

# ABSTRACT

The study aims to analyse the tourism development planning of the Taiwan Government for Chinese tourists. Also, the tourists' perceptions about the development of indigenous people through the developing tribal tourism were examined. The study was done at Chiayi City, Taiwan. The study was done on Alishan tribes, using qualitative research method to investigate the Chinese tourists' perceptions about tribal tourism with the empirical data. The results oshowed that the government's tourism planning has an important impact on the development of indigenous tribes; the decreasing Chinese tourists have a little impact on the tourism development of the Alishan tribe, and the developing tribal tourism has a positive impact on economics. Based on these findings, tribal tourism designing with the aid of government planning management for future research, is suggested directly.

Keywords: Indigenous tourism; tribe; planning; Chinese tourist; Alishan.

E-mail: rocjkl@yahoo.com.tw;

## **1. INTRODUCTION**

The indigenous culture is an important intangible cultural asset in Taiwan, and the tribe they live in is a cultural heritage. But under the impact of modern life, the traditional culture of the tribe is getting affected. The the traditional life is not easy, and the employment is difficult, therefore resulting in the outflow of the tribal population [1,2]. There are 16 indigenous communities in Taiwan, with a population of about 530,000. However, each tribe has its characteristics and does not necessarily need tourism to promote employment opportunities for the indigenous people. Some of the tribes close to the urban areas have different conditions for economic development, but some of them have poor economic development conditions, resulting in a population flow to the city. Serious population flow requires the development of tourism to provide tribal residents with opportunities for employment. Alishan is an important tourist and recreational area in Taiwan. It not only has natural resources, but also possesses a rich Tsou indigenous culture. Furthermore, it has become an internationally famous tourist destination. The development of tribal tourism is closely related to the indigenous policies of the government. Therefore, different political parties in power imply different indigenous policies and have different degrees of influence on tribal development. During the KMT (Kuomintang of China) regime (2008-2016), the Taiwan government made tourism development an important policy and used it to improve the lives of the aborigines, thereby enhancing the tribal economic development capacity. Especially after the opening for mainland Chinese tourists to Taiwan in July 2008, Alishan has become a mustsee spot for most of the them. However, in June 2016, Taiwan's political parties took turns (Democratic Progressive Party DPP, won the election), adopted a "new South-oriented policy" and shifted the focus of tourism development to the people of Southeast Asian countries, thus possibly affecting the development of Alishan tourism. Since tourism has a positive impact on economic development, relevant studies have proved that it is of great help to the national economy [3], so the government should take into account the level of impact when formulating relevant tourism policies. The main reason for this study is that the Alishan indigenous tribes in Taiwan are well-known international scenic spots and have been developing tourism for several years. Is there any impact under the change of the Taiwan government's tourism policy?

Besides, what are the main attractions of the tribal development? What are the positive and negative impacts of tourists on tribes? It is expected that the results can provide a reference for other countries to develop indigenous tourism.

### 2. LITERATURE REVIEW

#### 2.1 Theoretical Approaches

Three important theories can be used to explain the tourism development attitude of the tribal residents, such as the tourist area life cycle (TALC) [4], the social exchange theory (SET) [5,6,7,8], and the extrinsic/intrinsic framework [9]. The TALC has been posed by Butler [4]. Butler pointed out that the tourist areas are dynamic and will continue to change and develop with time. This evolution is caused by different factors. including the original natural and cultural attractions, progressive changes in tourist needs and preferences, the depression, replacement of facilities and equipment, and changes in or disappearance of the original area of popular choice [4]. SET is like a general theory of sociology and is concerned with the exchange of resources between individuals and groups in the context of an interaction [5.6]. Each person's way of feel exchange is different. When an individual feel exchange is positive, the person will evaluate the exchange in different ways, but if the feel exchange is negative, they will give up the exchange [7]. The framework for monitoring community impacts of tourism was proposed by Faulkner and Tides [9]. They well pointed out that the negative impacts of tourism will appear at a tourist destination in the mature stage of tourism development, where there are a high proportion of tourists, and the emphasis should be placed on international tourism during the peak season. In the early stages of tourism development, when a destination has a low number of tourists, a domestic tourism orientation and a low season, a more positive community reaction are expected. However, when these effects take place at the same time, it is expected that there will be some changes in community member views on tourism, which are also influenced by the characteristics of the residents [9].

#### 2.2 Foundations of Indigenous Tourism Development

The basic characteristic of tourist areas includes attraction, service, transportation, information,

and promotion [10,11]. Among the foundations of indiaenous tourism development, the most important is the indigenous culture and natural resources to provide the elements of tourism development. In the indigenous tribal tourism, the cultural resource is the most important, because it provides tribal elements for the development of tourism. According to Johansena and Mehmetoglu [12] tribe consisting of indigenous tourism products, mainly consists of four elements, habitat, handicrafts, heritage, and history; while these factors influence tourists' experiences and perceptions. McIntosh and Ryan [13] showed that tourists visiting indigenous tourist attractions have a unique interest in five central dimensions of a culture: gazing, lifestyle, authenticity, personal interaction, and informal learning. Yang, Ryan, Zhang [14] found that the Tuva minority of Kanas Scenic Area (China) have an image as landscape, which is attractive to Han tourists for aesthetics and relaxation reasons. In Taiwan, the related indigenous tourism studies found that the tribe itself is a reason of attraction while [15,16,17] the indigenous characteristics and culture is another reason [16,11]. However, indigenous tourism development, not only have attractions and cultural resources, but also the tribe should be providing tourist hospitality services. complementary and recreational facilities to satisfy the needs of tourists, a combination of local tourism resources, and travel products [12,15,16]. Also, the tribe should have convenient external transportation [16], a friendly welcome for outside visitors, and has a positive attitude for the development of tourism [12,15,16,17].

# 2.3 Tourism Impact

Because tourism development will deliver positive and negative impacts on a tourist area [18,19,20], residents support for the tourism will highlight its importance [21]. Whether in the development of the local tourism industry or in the establishment of a governmental tourism policy [22], the influence of sustainable development on the community is the most important factor when determining tourism impact [23,24]. Tourism impact can be divided into three main classifications: economic, sociocultural, and environmental [25,26,27,28].

# 2.3.1 Economic impact

For positive economic impact, the most important factors are: increased employment opportunities

[29,30,31,32], the increased income of residents [31,32,33], the increased income of the tribe [30,34], enhanced material welfare, improved living standards [29], increased sale of local agricultural products, outside investment and improved public facilities and services [35]. Factors of negative impact of the economy, are income inequality, widening of the gap between the rich and the poor [33], residents borrowing money to invest (liabilities), resources used in conflict with traditional production activities, indigenous peoples' loss of land ownership, indigenous people serving as laborers and tourists being unable to pick up crops [36].

## 2.3.2 Sociocultural impact

The positive sociocultural impact includes proud indigenous culture [30,35,37,38], let our culture revive [29,35,39], let the continuation and preservation of culture [17,32,34,40], enhance others' understanding of different cultures [20,29], let the outside people know the aboriginal culture better [21,38,39], tribal people can work together [29,35], closer interaction between community residents, increased leisure and entertainment opportunities and promotion of local popularity [35,38]. The negative sociocultural impact, includes traditional culture to disappear gradually [35.38], the lack of cultural authenticity [20.41]. cultural devolution [20,29], the interaction between tribal people decreases and sometimes conflicts [29], the tribal people's attitudes transformed into utilitarianism, [29], change of moral values [29], the traditional daily necessities and ritual turned into commercial performances, the disturbance of daily life by outsiders, the lack of respect for indigenous culture by outsiders and the production of low-quality, counterfeit or nonlocal cultural products.

# 2.3.3 Environmental impact

The main factors for the positive environmental impact, are protection of wildlife and plant habitats [42,43], improvement of environmental awareness [44], protection of the environment and natural resources [44], the appearance of the tribe is not only beautified but also improved [36,40], and the road traffic from the tribe to the outside has been improved [32,44]. The negative environmental impact includes: increased noise [44], community overcrowding [44], traffic congestion, environmental pollution [44], increased garbage, destruction of natural [36] and improper and illegal resources development of tribes [29].

## 3. METHODS

## 3.1 Research Area

Alishan township is located in the eastern part of Chiayi County, Taiwan, from 360 meters to 3952 meters above sea level. There are eight Tsou tribes: Dabang, Tefuye, Leye, Laiji, Lijia, Shanmei, Xinmei and Chashan. Six of the tribes are on the south side of the Alishan Highway, and only the Laiji tribe is on the north side. Lijia is the most remote tribe in Alishan. It is about an hour's drive from Alishan Highway. Alishan is composed of eighteen mountains, covering the main mountain systems of Alishan Mounts. The landscape is diverse. It can enjoy flowers in spring and summer. It can see the sunrise and sunset in autumn and winter and a sea of cloud along with Alpine railways, forests all year round.

## **3.2 Data Collection Methods**

In this study there are two main steps in the collection of data: (1) Construct the research outline and framework from the literature review; through induction and deduction, summarise the different role of indigenous tribes, in different periods of planning changes and regional industrial development of the causal relationship. (2) Interview with the main decision-makers or opinion leaders of local tribal property. government and academia in depth to find out the problems, countermeasures and development direction of the regional tourism industry under the development of political party rotation.

## 3.3 Interview Manuscript

Interview manuscript of the study mainly based on the tourism development theory, elements of indigenous tourism development [10,11,12], and tourism impact [20,21,22,23]. Interview manuscript includes: Since the different political parties came into power in 2016, how did the indigenous policies of the government affect the tribe's tourism? What is the current situation of tourism in your tribe? What positive and negative impacts does the government have on the development of indigenous tourism on tribal livelihoods?

# 4. THE PROCESS OF INDIGENOUS TOURISM DEVELOPMENT OF ALISHAN

The development of tourism in Alishan was attributed to the fact that after the establishment

of the Alishan Forest Railway by the Japanese colonial government in 1910, the production and tourism of Alishan did not become a major symbol. In 1927, the Nippon Newspaper held a "New Eight Scenic Views of Taiwan" ballot campaign, which resulted in one of the eight famous scenic spots in Alishan. Besides, the guidebook of Alishan tourism published in Japan also showed pictures of "Talking with the savages", meaning that the indigenous people appeared in the development of Alishan tourism very early. In 1949, the Kuomintang government was relocated to Taiwan because of the defeat of the Civil War. In an era of political and social instability, coupled with the stagnation of postwar economic development, tourism could not be developed. On November 1, 1956, the "Taiwan Provincial Tourism Commission" was formally established and became the first administrative body in charge of Taiwan's tourism. Therefore, 1956 marked the beginning of Taiwan's post-war tourism industry. On January 25, 1957, the Second Plenary Committee of the Taiwan Provincial Tourism Commission adopted the Outline of the Three-year Plan for the Development of Tourism in Taiwan, which is expected to promote the development of tourism in Taiwan in the next three years. In this plan, Alishan is listed as one of the key development areas. In 1963, to protect natural resources, the Taiwan Forestry Bureau designated more than 39.600 hectares of "state-owned" woodland in Alishan and Yushan areas as "Alishan Forest Recreation Area" and formulated a plan for annual budget reconstruction and maintenance. In 1975, the Taiwan provincial government renamed the " Alishan Scenic Area" as " Alishan Forest Recreation Area". In 1999, the Forestry Bureau was transferred to the "Agricultural Committee of the Executive Yuan" and became the "central organ", still responsible for the management, planning and construction of the Alishan Forest Recreation Area and tourist services, but the name was changed to "Alishan National Forest Recreation Area". In July 2001, Alishan National Forest Recreational area was included in the planning area of the "National Scenic Area" in Alishan. Alishan is a famous tourist attraction; after finding the National Scenic Area in 2011, it has not only actively promoted the characteristics of the Tsou culture, but also localised the tribes according to their characteristics. In southern Alishan, the Xinmei tribe has developed an organic agriculture, the Shanmei tribe has the famous Danayiku Natural Ecological Park, and Chashan, the southernmost tribe, has a wooden thatch pavilion surrounded

by rich ecological resources. Among them, the "Leye tribe" mainly consists of alpine tea, coffee, multi-eco-trails and ancient roads, and the "Dabang" and "Tefuye" also retain the men's assembly hall (called Kuba), which is the unique architecture of the two tribes of Dabang and Tefuye. The Lijia tribe still has many ancient roads and rich ecological systems, but the external traffic is inconvenient, far from the Alishan Highway. Laiji tribe is located under the Tsou sacred mountain - Ta mountain. It is a tribe featuring wild boars. It mainly provides tourists with crafts and crafts featuring the Tsou culture.

### 5. RESULTS AND DISCUSSION

## 5.1 Analysis of Current Situation of Tourism Development

# 5.1.1 Analysis of Alishan tribal tourism resources

The researchers visited all the tribes and, referring to a brief introduction to the National Scenic Spot and instructions from the tribal community development association, summed up the tourist attractions of the various tribes in Alishan as shown in Table 1.

#### 5.1.2 Analysis of tribal tourists

At present, the number of tourists to Alishan is still based on the Alishan National Forest Recreation Area, and there is no detailed statistics on the tribe. For example, the B & B operator of the Xinmei tribe said: "The tribe does not count the number of tourists. We don't have many tourists here. Some come to climb mountains, some live in B & B. When the number is large, it is a continuous holiday." In Laiji tribe, the owner of a B & B mentioned: "Originally, we had backpackers from Mainland China, which gradually declined after 2017, and now we don't have any backpackers. ...... But it has no effect on our operation, because our tourists are mainly Taiwanese, sometimes some foreign backpackers. " The researchers visited seven other tribes in the same way, with only the Shanmei tribe, Danaviku ecological park, having a detailed number of visitors, as shown in Table 2.

Since Chukou Visitor Center was established, Rueili-Taihe Visitor Center no longer counts tourists. The number of visitors to the Alishan National Forest Recreation Area in 2015 was 2,713,389, compared with 2,245,787 in 2016, showing a decrease of 46,7602. The main reason is that in 2016, the DDP won the presidential and congressional elections in Taiwan, and the number of Chinese tourists to Taiwan decreased due to political factors. By 2017, Alishan National Forest Recreation Area had 982,441 fewer tourists than in 2015. But in the Shanmei tribe of Danayigu, the business was suspended except in 2010, when typhoons damaged the landscape. But after the regime swap, the DPP's indigenous policy did not change, and was not affected by the decline in Chinese tourists. Instead, the number of tourists grew to 281,493 in 2017. In the Xinmei tribe, restaurant operators interviewed said: "There are few tourists in our tribe. Some of them are hiking on mountain trails and stopping by to take pictures of the tribal Tsou buildings, .... visitors mainly go to Danayiku in the Shanmei tribe." The actual visits to the Chashan, Lijia, and Laiji tribes were not many, like Xinmei, because they were far from the Alishan Highway. And the Leve tribe, because it is the administrative centre of Alishan township, plus Yuyupas Tsou indigenous cultural park, so the local tourists will be more. In fact, interviews with Chashan, Lijia, and the indigenous people of the Laiji tribe have the same answer: "We have very few tourists", and most of them are working, but not relying on tourism.

#### 5.1.3 Tourism impact

On the issue of indigenous tribal tourism development, the most frequently discussed issue is the impact of scholars and people, who are concerned about positive and negative impact. In the promotion of tourism, the most important thing is the attitude of the director of the tribal community development association and the tribal leaders. At present, with the guidance and assistance of government sectors, eight tribes welcome tourists, but some require that tourists abide by the tribal traditions during the festival. In the promotion of tourism, the most important thing is the attitude of the director of the tribal community development association and the tribal leaders. For example, in the Dabang tribe, the leader says: "Kuba, where Dabang men gather to meet and discuss important things, is built entirely in accordance with Tsou tradition, and is well worth seeing, except that female tourists are not allowed to enter. Every year, visitors are welcome to attend the festival. You can feel the special cultural significance of Tsou". The director of the Community Development Association of the tribe

emphasized that: "at present, it is based on the combination of traditional industries, culture and tourism of the tribe, and the inheritance of the wisdom of the elders of the tribe, and the development of diversified industries, so that young people can leave tribal development, and let the outside people understand Tsou's culture better".

Tefuye, like Dabang, is an important tribe of Tsou and holds important ceremonies in Kuba every year, which attracts many tourists to visit. The leaders of the tribe pointed out: "*Tefuye is a traditional matriarchal social tribe, where men gather for meetings - Kuba, the assembly center of the community in Tsou, Alishan. In addition,*  the natural forest is the lifeblood of Tsou, Tefuye's surrounding environment is very beautiful, tourists can explore Tefuye trails, hunting trails, century-old camphor tree trails, enjoy the beauty of primitive mountains and forests. Tourists can learn more about Tsou's culture and life through our guide, explanation and tour planning". "We welcome visitors to visit our tribe, as well as to buy our coffee and mountain vegetables, as well as the tribal handicrafts," the local indigenous famer said. Another elderly female respondent said: "The tribe is still dominated by agriculture. Most of the young people work and study in the cities. Most of them return to the tribe during the festival, and many tourists come to visit the tribe."

#### Table 1. Alishan tribes attractions

Tribe	Attractions							
Xinmei	Camphor tree forest hiking trail, camellia oil, teaching and making of indigenous handicrafts, indigenous characteristic hunter meal, camping and mountain outdoor experience. (see Fig. 1)							
Shanmei	Danayiku Natural Ecological Park (see Fig. 2)(In the park, there are river fish reserve, huge suspension bridge, natural ecological experience, indigenous traditional food and beverage, and aboriginal traditional singing and dancing performances.)							
Chashan	Thatched pavilion festival, Tounarbana ecological hiking trial, The same source of water and fire (biogas phenomenon), pottery and moon peach weaving DIY, big stone wall. (see Fig. 3)							
Leye	Yuyupas (Thou culture park, including: cultural and historical museum, Aboriginal restaurant, five clan tea house, Princess house, performance theater, Millennium wood museum, thatched house, handicraft centre), Blurred trail (bird watching and cherry blossoms), Yawumasi trail (hunting trail), Alpine tea garden (see Fig. 4), coffee, indigenous hand-made leather carving.							
Dabang	Kuba is built mainly of thatch, timber and rattan, and can only be seen in the Dabang and Tefuye tribes. Tsou people hold important ceremonies, educate young men and discuss tribal affairs in this area, which is the center of political, economic and cultural education of the Tsou people (see Fig. 5); Homeyaya (Millet harvest ceremony), Mayasvi (War ceremony: The site of the sacrifice is Kuba in the tribe, mainly praying for God of War to bless the warriors and encouraging the people of the tribe to protect the whole tribe with all their spirit and life.), Tefuye ecological hiking trial, Bird occupant pavilion trial, Chou Natural and Cultural Center, tribal camping, holiday market, the traditional diet of Chou people and the handmade of traditional leather decorations.							
Tefuye	Kuba is built mainly of thatch, timber and rattan, and can only be seen in the Dabang and Tefuye tribes. Tsou people hold important ceremonies, educate young men and discuss tribal affairs in this area, which is the center of political, economic and cultural education of the Tsou people (see Fig. 6); Homeyaya (Millet harvest ceremony), Mayasvi (Battle sacrifice: The site of the sacrifice is Kuba in the tribe, mainly praying for God of War to bless the monks and encouraging the people of the tribe to protect the whole tribe with all their spirit and life.), millet seed sacrifice, Tefuye ecological hiking trial.							
Lijia	Watch maple leaves hiking trail, firefly ecology, ten thousand stone slab, organic crops, indigenous speciality meals, tribal Guardian God - the stone of Gong Li. (see Fig. 7)							
Laiji	Tashan (sacred mountain of Tsou), wild boar's decorative tribe (see Fig. 8), Making wild boar wooden handicraft production, Lily and cherry blossom ecology, experience in archery and hunting, indigenous traditional food and beverage.							

Recreational Spot/Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Alishan National Forest Recreation Area	842,251	1,064,742	710,354	1424,986	2,080,500	2,063,566	2,761,479	2,713,389	2,245,787	1,730,948
Danayigu Yuantan Ecological Park	105,455 -	78,752 135,664	0 37,189	42,573 59,214	49,451 108,330	57,775 100,076	121,061 125,345	159,406 139,027	227,217 164,574	281,493 172,242
Rueili-Taihe Visitor Center	51,091	51,811	15,686	18,227	32,276	36,434	43,852	35,879	-	-
Chukou Visitor Center	-	-	-	-	-	-	-	-	-	150,105

# Table 2. Annual tourist statistics for Alishan

Sources: Annual visitor statistics of Taiwan Tourism Bureau

### Chang et al.; AJEE, 8(1): 1-12, 2018; Article no.AJEE.45394



Fig. 1. Xinmei tribal entry totem



Fig. 2. Danayiku Natural Ecological Park



Fig. 3. Chashan tribe's B & B



Fig. 4. Leye tribe's alpine tea garden



Fig. 5. Dabang tribe's Kuba (Men's Club)



Fig. 6. Tefuye tribe's Kuba (Men's Club)



Fig. 7. Lijia tribe

From Table 2, it can be seen that the Shanmei tribe, () it is a favourite attraction for tourists, but the eco-park is not in the tribe, but a valley outside. Danayiku is Taiwan's unique indigenous autonomous ecological reserve, which is rich in



Fig. 8. Laiji tribe

natural ecology, as well as Tsou indigenous cultural park. Researchers visited and interviewed twice, and found that although mainland Chinese tourists had visited before, the attraction was not affected after their number decreased. "Our development of tourism not only protects the natural environment in which we grow, but also preserves our culture, but also provides jobs for us and the indigenous people of the nearby tribes," she said in an interview with indigenous people in the handicraft shops in Danayiku.

# 6. CONCLUSION AND SUGGESTION

# 6.1 Conclusion

- From the perspective of the indigenous 1. policy of the Taiwan government, it has little impact on tribal tourism development. The most important impact is the "tourism policy" because the ruling party wants to use tourism to promote the tribal economy and employment opportunities. The focus of Taiwan's indigenous is still on "returning my land" (the aborigines want the government to return their land) and "autonomous region" (autonomy of the aborigines). Even though Danaviku is a successful example of indigenous people running their tourism, after the Typhoon Morakot struck in August 8, 2009, the overall construction relied on the government to complete (repair works billions of Taiwanese dollars), the Shanmei tribe itself cannot be completed, so Danayiku can only be said to be a case.
- 2. From the perspective of tourism development of Alishan indigenous tribes, the indigenous culture is the most important tourist resources. It is also very important that tourists want to see the tribal ecological resources. Although many academics and non-governmental cultural figures have argued about the so-called "authenticity" of indigenous tourism. In fact, from this study, it can be learned that the other tribes of the Tsou tribe, Tefuve and Dabang, will also attend the festival. It is not deliberately performed for tourists. It is held according to their ancestors' time, so it is also an important opportunity to show their culture to the outside world. Therefore, in the process of developing tourism, the goal of preserving the indigenous culture without losing our own culture due to complete modernisation could be achieved. 3. The Tefuve and Dabang of the Alishan tribe, apart from a large number of tourists visiting during the festival, do not have many tourists on weekdays and holidays.

and the negative impact is insignificant.

Also, the tribe welcomes visitors from outside. Indigenous people believe that not only do they show their cultural characteristics, but also the consumption and shopping of tourists in the tribe can bring them some economic income. Therefore, tribal development tourism is a "small group tourism", because the number of visitors is not large, does not cause a negative impact on the tribe, the relative can also bring some economic income for the indigenous people, and let the elderly stay in the tribe to increase some job opportunities.

4. Besides, from the number of tourists in this study, one can find that the decrease in the number of tourists in Alishan National Forest Recreational Area is due to the decrease in the number of Chinese tourists coming to Taiwan. But for the tribe, it has little impact, because only a very small number of backpackers from mainland China come to B&B to stay, and the tribe's main source of tourism is still the people of Taiwan.

# 6.2 Suggestion

- 1. For the government, although the development of tourism has a positive impact on the tribal economy, it is not entirely possible for all tribes to develop tourism. So, for the tribe to develop tourism. indigenous there is no cultural characteristics, as well as rich ecological resources. For over-modernised tribes, the government should provide timely financial assistance, together with professional counselling. First, the investigation of tourism resources will help the indigenous gradually present their cultural features and totems in the tribe, and restore the traditional sacrificial activities, so that the indigenous people can preserve their culture, and can be displayed in front of outsiders.
- 2. In this study, the Alishan tribes welcomed the arrival of tourists and were proud that their culture could be displayed in front of outsiders, and increased their employment and economic income. From then on, it can be found that tribal tourism development is not entirely a negative environmental and cultural impact, so it is suggested that tribes in other areas can strengthen the maintenance of tribal culture on the premise of the development

of "minority tourism", such as tribal decoration and totem display of aboriginal democracy, the holding of sacrifices, tribal Taoism and interpretation. Arts and crafts teaching, manufacturing and sales, and the supply and service of B & B can bring a positive impact on the tribe.

- 3. As this study only focuses on the indigenous people of the Alishan tribe in Taiwan, it is suggested that future studies should consider analysing the tribes of different regions and countries to understand the impact of indigenous and tourism policies of different governments on tribal development and tourism. In addition, the positive and negative impacts of tourism development are also comparable issues, to analyse whether the indiaenous people need tourism development to improve the economic situation of the tribe.
- The main limitation of this study is the 4. object of study. Because the tribe usually has only children and the elderly, most young people are working or studying in the city, so they cannot understand their opinions. Also, the way of field observation and interviews sometimes falls into the subjective view of researchers and respondents, which is also the limitation of this study. Therefore, it is suggested that future researchers can use the time of continuous holidays conduct to questionnaires with the permission of time and research funds.

# ACKNOWLEDGEMENTS

This study was supported by a grant from National Social Science Foundation of China (No.18BMZ130).

# COMPETING INTERESTS

Authors have declared that no competing interests exist.

# REFERENCES

- Huang HC, Liu CH, Chang HM. Does tourism development bring positive benefit to indigenous tribe? Case by Dongpu in

Taiwan. Advances in Research. 2015;4(4): 235-246.

- Isik C, Dogru T, Turk ES. A nexus of linear and non-linear relationships between tourism demand, renewable energy consumption, and economic growth: Theory and evidence. International Journal of Tourism Research. 2018;20(1):38-49.
- 4. Butler RW. The concept of a tourist area cycle of evolution: Implications for management of resources. Canadian Geographer. 1980;24:5-12.
- Ap J. Residents' perceptions research on the social impacts of tourism. Annals of Tourism Research. 1990;17(4):610-616.
- Ap J. Residents' perceptions on tourism impacts. Annals of Tourism Research. 1992;19(4):665-690.
- Perdue RR, Long PT, Allen LR. Resident support for tourism development. Annals of Tourism Research. 1990;17(4):586-599.
- Perdue RR, Long PT, Kang YS. Boomtown tourism and resident quality of life: The marketing of gaming to host community residents. Journal of Business Research. 1999;44(3):165-177.
- Faulkner B, Tideswell C. A framework for monitoring community impacts of tourism. Journal of Sustainable Tourism. 1997;5(1): 3-28.
- 10. Blank U. The community tourism imperative. Stage College, PA: Venture; 1989.
- 11. Gunn CA, Var T. Tourism planning: Basics, concept, cases. 4th ed. New York: Routledge; 2002.
- Johansena TE, Mehmetoglu M. Indigenous tourism from a visitor's perspective: An empirical examination of Valene L. Smith's 4Hs at a Sámi festival in Norway. Journal of Heritage Tourism. 2011;6(2):129–141.
- McIntosh AJ, Ryan C. The market perspective of indigenous tourism: Opportunities for business development. In, Butler R, Hinch T, editors, Tourism and indigenous peoples: Issues and implications. Boston, MA: Elsevier; 2007.
- Yang Jingjing, Ryan C, Zhang Lingyun. Ethnic minority tourism in China- Han perspectives of Tuva figures in a landscape. Tourism Management. 2013;36: 45-56.
- 15. Chang Hsiao-Ming, Huang Hui-Chuan. A study of indigenous tribe tourism planning

and developing–case by Tamalung in Taiwan. Journal of International Management Studies. 2014;9(2):87-94.

- Chang Hsiao-Ming, Chang Cheng-Fun, Wu Cheng-Lung. Aboriginal tribal tourism development critical success factors-Case by Smangus in Taiwan. World Academy of Science, Engineering and Technology. 2013;77:1361-1367.
- Chang Hsiao-Ming, Chang Liao Li-Chu. A study of indigenous tribe tourism planning and developing–Case by Huanshan in Taiwan. The Journal of International Management Studies. 2014;9(1):146-155.
- Perdue RR, Long PT, Kang YS. Boomtown tourism and resident quality of life: The marketing of gaming to host community residents. Journal of Business Research. 1999;44(3):165-177.
- Liou, Gwo-Bao. Ecotourism cultural impact analysis. Unpublished Doctoral Dissertation, Michigan State University, East Lansing, MI; 2013.
- Lankford S, Howard D. Developing a tourism impact attitude scale. Annals of Tourism Research. 1994;21:121–139.
- Gursoy D, Rutherford DG. Host attitudes toward tourism: An improved structural model. Annals of Tourism Research. 2004;31:495–516.
- Allen LR, Hafer HR, Long PT, Perdue RR. Rural residents' attitudes toward recreation and tourism development. Journal of Travel Research. 1993;31(4):27–33.
- Andereck KL, Valentine KM, Knopf RC, Vogt CA. Resident perceptions of community tourism impacts. Annals of Tourism Research. 2005;32(4):1056-1076.
- 24. Ap J, Crompton J. Developing and testing a tourism impact scale. Journal of Travel Research. 1998;37:120–130.
- 25. Brougham JE, Butler RW. A segmentation analysis of resident attitudes to the social impact of tourism. Annals of Tourism Research. 1981;8(4):569-589.
- Mathieson A, Wall G. Tourism: Economic, physical and social impacts. Hoboken, NJ: John Wiley & Sons; 1982.
- Upchurch RS, Teivane UT. Resident perceptions of tourism development in Riga, Latvia. Tourism Management. 2000;21: 499-507.
- 28. Dyer P, Aberdeen L, Schuler S. Tourism impacts on an Australian indigenous

community: A Djabugay case study. Tourism Management. 2003;24:83–95.

- 29. Cole S. Beyond authenticity and commodification. Annals of Tourism Research. 2007;34(4):943-960.
- Lin. Ching-Hui, Chang, Hsiao-Ming. Indigenous tribe tourism development critical success factors – Case by Bokiu in Taiwan. World Academy of Science, Engineering and Technology. 2013;83: 1072-1078.
- Chang HM, Huang HC. A study of indigenous tribe tourism planning and developing-Case by Tamalung in Taiwan. Journal of International Management Studies. 2014;9(2):87-94.
- Ishii, Kayoko. The impact of ethnic tourism on hill tribes in Thailand. Annals of Tourism Research. 2012;39(1):290-310.
- Rayn C, Crotts J. Carving and tourism- A Maori perspective. Annals of Tourism Research. 1997;24(4):898-918.
- Chang HM, Chang CF, Wu CL. Aboriginal tribal tourism development critical success factors-Case by Smangus in Taiwan. World Academy of Science, Engineering and Technology. 2013;77:1361-1367.
- Huang HC, Liu CH, Chang HM. Does tourism development bring positive benefit to indigenous tribe? Case by Dongpu in Taiwan. Advances in Research. 2015;4(4): 235-246.
- Kunasekaran P, Gill SS, Talib AT, Redzuan M. Culture as an indigenous tourism product of Mah Meri community in Malaysia. Life Science Journal. 2013;10(3): 1600-1604.
- Hunter WC. Rukai indigenous tourism: Representations, cultural identity and Q method. Tourism Management. 2011;32: 335-348.
- McIntosh AJ, Ryan C. The market perspective of indigenous tourism: Opportunities for business development. In R. Butler and T. Hinch (Eds.), Tourism and indigenous peoples. Issues and implications (pp. 73–83). Boston, MA: Elsevier; 2007.
- Colton J. Indigenous tourism development in northern Canada: Beyond economic incentives. The Canadian Journal of Native Studies. 2005;1:185–206.
- 40. Yang JJ. Tourists' perceptions of ethnic tourism in Lugu Lake, Yunnan, China.

Chang et al.; AJEE, 8(1): 1-12, 2018; Article no.AJEE.45394

Journal of Heritage Tourism. 2012;7(1):59-71.

- Hipwell WT. Taiwan aboriginal ecotourism-Tanayiku Natural Ecology Park. Annals of Tourism Research. 2007;34(4):876-897.
- 42. Nepal SK. Involving indigenous peoples in protected area management: Comparative perspectives from Nepal, Thailand, and China. Environment Management. 2002;30(6):748-763.
- 43. Amuquandoh FE. Residents' perceptions of the environmental impacts of tourism in the Lake Bosomtwe Basin, Ghana. Journal of Sustainable Tourism. 2010;8(2):223–238.
- 44. Ko Dong-Wan, Stewart WP. A structural equation model of residents' attitudes for tourism development. Tourism Management. 2002;23:521-530.

© 2018 Chang et al.; This is an Open Access article distributed under the terms of the Creative Commons Attribution License (http://creativecommons.org/licenses/by/4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Peer-review history: The peer review history for this paper can be accessed here: http://www.sciencedomain.org/review-history/27477