

Managing Local Community Participation to Foster Sustainable Tourism Development, the Case of Bali Destination, Indonesia

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Abstract: Local residents' participation can take part as strategic key for the quality of tourism destination toward sustainable tourism development. By involving the local communities participation and supporting the quality of tourism destination that is believed enhancing the communities' well-being through increasing people income and job creation. The residents' participation in tourism can be jointly togetherness with local government in accelerating the quality tourism destination. This study is make an effort to find the effect of government policies and local residents' involvement to create sustainable tourism development in selected tourism destination area in northern Bali Region. A structural equation model was built and data were collected from tourism destination location selected. Total of 241 respondent were selected from local resident using self-administered questionnaire. The study revealed the local participation is significantly influenced by the government policy and can be concluded that local community participation jointly with government policy successful support and positively contributed the quality of tourism destination toward sustainable tourism development.

Key words: Bali, local residents' perceptions toward community participation, quality of destination, sustainable tourism development, government policy, strategic key

INTRODUCTION

Tourism has become one of the activity sectors that have generated the most value added. Moreover, it is the principal economic source in many areas in the world. Tourism destination and competition have been the strategic issues as instrument to generate people income and job creation.

Brida *et al.* (2010) note that local residents are the most important participant who are critically influenced of positive as well negative impacts of tourism development in their yard. Residents' perceptions towards tourism are so crucial as they are directly impacted by development (Easterling, 2005) and tourism development supported by stakeholder become more sustainable (Byrd, 2007).

Most of all, implementation of sustainable development policy globally proves the necessity to consider the regional level as the key in terms of developing and implementing modern models of sustainable development (Mishenin *et al.*, 2018). Viewed from economic perspective, tourism has been proven give benefits for the local community through increasing their income, providing new job opportunity as well creating new business for the local.

In addition, Croes (2014) argued that tourism is considered as the tools of reducing poverty in some traditional communities with more tourists coming to buy local products (Lee, 2013). However, rural community and culture could be considered as the basic requirement

for the participatory management of destination sustainability (Clausen and Gyimothy, 2016) as well as opportunities to increase employment and generating local people income (Lee, 2013).

In Indonesia, inspite of the issues of sustainability have moved into political agenda, the progress remains slow (Rajiani and Kot, 2018) so it is sensible that is although a lot of efforts and progress has been done by the central and local authorities of Bali Province to promote Sustainable Tourism Development (STD), the outcomes were still questionable. Refer to Mowforth and Munt (2015), the understanding of their social structure is an important factor to warrant the successfulness of STD.

Based on this premise, that the local government of Bali is assumed has an essential position to guide the local people in increasing the quality of tourists' destination. This study is directed to elaborate the roles of local government in Bali in promoting sustainable tourism development. Specifically, this work studied the effect of the roles toward local participation, the local perception about tourism and its impacts on the daily life. Tourism provides direct and indirect economic benefits to destinations through visitor spending and business investments for encouraging people income and employment. But there is a little attention of many governments and others to understand that residents' perceptions of tourism have significant impacts on tourism destination competition. Brida *et al.* (2010) states that residents' perceptions have significant role to the tourism development.

Residents' perceptions towards tourism are so crucial as they are directly impacted by development (Easterling, 2005) and tourism development supported by stakeholder become more sustainable (Byrd, 2007). Most of all, implementation of sustainable development policy globally proves the necessity to consider the regional level as the key in terms of developing and implementing modern models of sustainable development (Mishenin *et al.*, 2018). Some researches have found that tourism contributes people income and employment. On the other hands, Croes (2014) argued that tourism is considered as the tools of reducing poverty in some traditional communities with more tourists coming to buy local products (Lee, 2013). However, rural community and culture could be considered as the basic requirement for the participatory management of destination sustainability (Clausen and Gyimothy, 2016), as well as opportunities to increase employment and generating local people income (Lee, 2013). However, local resident participation mostly the key for encouraging the successfulness of quality of destination support (Mowforth and Munt, 2015).

This continuing research focus on the same location at the North Bali Regions, Indonesia still believes that local government of Bali still have strategic key in supporting local community forces to maintain tourism destination to be more competitiveness in the future. This research has been continued focusing the role of resident's participation as the key variable in supporting and maintaining the quality of destination at North Bali Region in Indonesia.

Literature review: The assessment of tourism development focused on resident has been widely identified supporting residents and improved access to tourism industry (Lee, 2013; Wang *et al.*, 2016). On the other hands, one important variable such as Individuals' perceptions could be the key for destination's personality in supporting destination quality process (Murphy *et al.*, 2007).

Destination personality has therefore gained significant attention from tourism scholars. Chi *et al.* (2018) is reported on their intensive studies at Sardinia Italy have examines the role of involvement on destination personality formation process have found that the destination personality dimensions have strong influence on destination satisfaction and self-congruity. The destination satisfaction was also found to positively influence to construct positively the destination loyalty.

Resident's perception and local community can impact positively or negatively to the natural and local culture of society and could be connected to the society group identity of local resident (Kim *et al.*, 2012).

The tourism destination support by government policy and residents' perception and community

participation can be believe as instruments for creating local people income and employment creation. As a matter of facts, the studies of well-being tourism actually focused on connection with community, restaurant, local people service and some others form of tourism service (Pesonen and Komppula, 2010). Some empirical studies indicated local people well being as the direct impact or indirectly impact of well-being tourism destination's attractiveness. Community as part of destination service process and attractiveness successfully create local people well-being (Cracolici and Nijkamp, 2009).

Reitsamer *et al.* (2016) study focused on attractions, activities, entertainment and local community involvement in Austrian tourism destinations have found that tourists' well-being has a positive significant effects to local people, positive impact also captured on their intention to return, therefore, contributed positive word of mouth form the destination process and activity.

The more trending study of sustainable tourism in recent year indicated because of positively impact of tourism destination in supporting local people income (Law *et al.*, 2016).

Mendieta-Penalver *et al.* (2018) argue that tourism destination competitiveness can be integrated approach with international hotel network to encourage tourist destination quality. Mendieta-Penalver *et al.* (2018) have empirically support of a positive relationship between destination competitiveness and firm competitiveness.

Reitsamer *et al.* (2016) reported the study impact of place perception on tourist well-being to understand how destination attributes influence tourists' response attitudes, summarizes that attractions and activities and service entertainment of local community. However, Reitsamer *et al.* (2016) have found that tourists' well-being has a significant impact to local people income and also have positively effect of their intention to return, so that, become more attractive effect on the desire to settle a positive word of mouth of the destination.

Lo *et al.* (2019) has reported on research study of community support as an integral part of tourism product in supporting tourism destination quality, especially in rural sector .

Lo *et al.* (2019) has found that sustainable development of rural tourism destination play an important role for developing rural tourism together with community participation. Compared with other research, Lo *et al.* (2019) significantly found that the competitiveness of rural tourism destination's development is depend on community support act as a moderator. It is mean that the quality of accommodation and some other related components. Such as infrastructure, attraction and special events empirically support positively for the development of tourism destination competitiveness in rural tourism destination at Serawak, Malaysia.

Lee and Jan (2019) reported the community based study addressing by examining residents' perceptions of the sustainability of community-based tourism. Lee and Jan (2019) study about the residents' perceptions of economic impact, socio-cultural and environmental in Taiwan. This research have found that economic, cultural and environmental sustainability have strongly significant to the tourism destination quality.

Another studies have been conducted to investigate how residents perceive the impacts of tourism development at various tourism destinations (Kim *et al.*, 2012), however, community participation can encourage local people income and employment opportunities (Nunkoo and Ramkissoon, 2011) and significantly contribute to positively of the traditional arts and crafts and culture (Jaafar *et al.*, 2019).

The study concludes that the residents' perceptions differed across the developmental stages, thus, managers should consider the development opportunities and adopt appropriate strategies across different development stages. The quality of tourism destination that supporting by residents perception and its participation to be effective and cleaner tourism as in the island of Bali (Law *et al.*, 2016). Some studies on sustainable development tourism have more focused on local residents' perception of community-based and pro-poor tourism or on the discussion of positive and negative impacts of tourism on economic development (Pulido-Fernandez *et al.*, 2015) as well as on income redistribution among group and region (Alam and Paramati, 2016; Incera and Fernandez, 2015) and poverty reduction (Blake *et al.*, 2003). However, developing countries have not yet managed to fully exploit their tourism potential (Sanches-Pereira *et al.*, 2017).

MATERIALS AND METHODS

An initial sample of 241 respondent were selected and obtained from Lovina Beach Singaraja City, Northern of Bali. To examine the latent structure of residents' perception and community research model, SEM PLS was used in the present study. The goal of SEM PLS is to identify the underlying relationships between latent variables (Hair *et al.* 2010).

While CFA is primarily an exploratory technique used and CFA plays a confirmatory role enabling control over the specification of indicators for each latent dimension. The CFA also allows testing goodness of fit for the proposed extracted factor solution and is therefore, particularly useful in the validation of scales for the measurement of specific constructs and would be more better construct percistly (Jarvis *et al.*, 2003). This research is located at Lovina Beach tourism destination, North Bali Region, Indonesia.

In this study, Lovina Beach of North Bali Indonesia is chosen as the research sites due to the destination choice of tourist popularity for tourists' visit over the past decade at Northern Bali Region. However, this study employs proportional random sampling techniques, that the probability of being chosen as participants (Walliman, 2011; Howell, 2013). This study used primary data and collected by questionnaires were distributed to the selected respondents at lovina beach destination, North Bali, Indonesia.

Respondents were asked to respond to each statement by using a five-point Likert scale (ranging from 1 strongly disagree to 5 with strongly agree) for each statement. To assess the model developed as shown in Fig. 1, SmartPLS 3.0 was applied based on path modeling and followed by bootstrapping model (Wetzels *et al.*, 2009). As recommended by Hair *et al.* (2010), five hundred resamples were used to generate the standard error of the estimate and t-values. Population data were, however, the information sources that come from primary data collection known as construct must be examine and that construct is reliable if there is that the Cronbach's alpha value is at least 0.70 (Hair *et al.*, 2010).

The SEM PLS was conducted on data set to support the theoretical verification of our constructs (Tenenhaus *et al.*, 2005). The hypotheses were tested through structural equation modelling using SmartPls 3.0 The research model and hypotheses is shown at Fig. 1, that captured the relationship between constructs. This study is formulated four hypotheses that as follows:

- Z1: Residents' perceived participation has positively affects to the quality of the tourism destination
- Z2: Government policies positively affect tresidents' perceived participation
- Z3: Government policies positively affect the quality of tourism destination
- Z4: Quality tourism destination positively affects sustainable tourism development (Table 1)

On the average, ages of respondents are 43.8 years old. Most of the respondents had been completed their junior high school (65%) and 18% hold the diploma or undergraduate degree. Item validity and construct reliability for a latent variable with reflective indicators can be assessed by observing item correlation and Cronbach's alpha coefficient. We have first evaluate of second order construct of residents' participation that directly reflected by cultural impact, social impact and economic impact indicated distributed well by cronbach Alpha, that are greater than 0.70, however that can be conclude all of dimensional constructs are reliable.

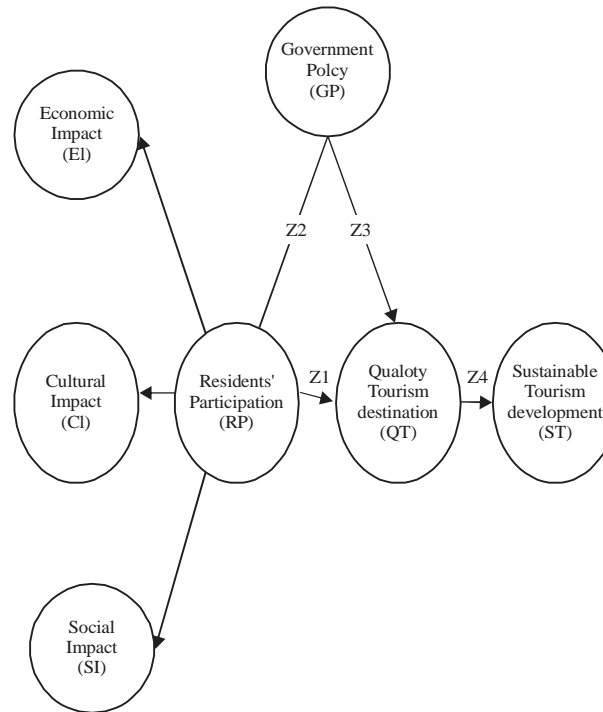


Fig. 1: Research model

Table 1: Destination area and sample distribution

Name of destination	Number of respondents	Percentage	Samples
Banyuasri village	87	14.40	35
Anturan village	70	11.59	28
Baktiseraga village	53	8.77	21
Panji Anom village	84	13.91	34
Teluk Buluh village	75	12.42	30
Kayu Melaka village	61	10.10	24
Temukus village	59	9.77	24
Labuhan Haji village	62	10.26	25
Dencarik village	53	8.77	21
Total	604	100.00	241

We divided SEM PLS analysis into two approached model. Firstly, is outer model that contain construct procedure evaluation with its indicators. Secondly, is inner model approaches that contain bootstrapping procedure as the tools for statistical methods to solve the direct effect statistical testing procedure and the indirect effect statistical testing procedure.

Based on SEM PLS Model, construct can be developed in reflective or formative constructs. For reflective outer model, the statistical evaluation tesnting procedure based on the internal consistency approached that focusing on Composite Reliability (CA) testing procedure, the cronbch Alpha individual test and the testing of Average Variance Extracted (AVE) as evaluation of the convergence validity of one construct and furthermore, based on AVE value can be developed as the key value to compare with cross-correlation of all the constructs to find the Fornell-Larscker discriminant validity.

Based on Table 2, we can conclude that all of the constructs have distributed value of Cronbach alpha are greater than 0.70, so that, all constructs confirm sufficient reliability (Hair *et al.*, 2010). Referring to Hair *et al.* (2016), the construct has an internal consistency if the CR is greater than 0.70. The important measurement of one construct can be used AVE value that must be higher than 0.50 (Hair *et al.*, 2016; Peng and Lai, 2012) that should be catagorized as convergence validity.

The continuing process of measurement analysis can avoiding statistical error type and construct is to be convergent validity have more guarantee to get more satisfied data information. As recommendation note by Hair *et al.* (2010), the outer loading must be higher than 0.70 and significant (Peng and Lai, 2012). Based on Table 2, The AVE, CR and outer-loading and finally with $p < 5\%$ would be satisfied internal consistency and supporting of discriminant validity issues.

As notes by Jarvis *et al.* (2003), research model must be consider the concept development of reflective and formative constructs. As presented in Table 2, all the constructs are summarized as reflective constructs and have been using reliability testing procedure by Cronbach alpha and others but as we can seen at Table 3, the formative construct of Government policy should be evaluate and examine using VIF collinearity testing procedure (Jarvis *et al.*, 2003). Based on Table 3, we can seen that Government policy is formative construct, so

Table 2: Reflective measurement model analysis result

Construct	Average	CR	Item code	Outer loading	p-value
Cultural Impacts (CI 1.1)	0.81	0.85	CI 1.11	0.812	0.000
			CI 1.12	0.829	0.000
			CI 1.13	0.877	0.000
			CI 1.14	0.944	0.000
Social Impacts (SI 1.2)	0.76	0.79	SI 1.21	0.815	0.000
			SI 1.22	0.833	0.000
			SI 1.23	0.912	0.000
			SI 1.24	0.848	0.000
Economic Impacts (EI 1.3)	0.79	0.81	EI 1.31	0.917	0.000
			EI 1.32	0.855	0.000
			EI 1.33	0.837	0.000
			EI 1.34	0.912	0.000
Quality of destination (QT 2)	0.72	0.78	QT 2.1	0.899	0.000
			QT 2.2	0.847	0.000
			QT 2.3	0.911	0.000
Sustainable Tourism development (ST 3)	0.77	0.88	ST 3.1	0.921	0.000
			ST 3.2	0.842	0.000
			ST 3.3	0.879	0.000
			ST 3.4	0.899	0.000

Table 3: Formative construct testing procedure

Construct	Code/Item description	Outer weight	VIF
Government policies	GP 1.1formulates legal compliance	0.377 ^{ns}	3.12
	GP 1.2 establish tourism planning	0.471 [*]	2.45
	GP 1.3 improves public safety	0.321 ^{ns}	3.66
	GP 1.4 improves public infrastructures	0.081 ^{ns}	2.94

that will evaluate using collinearity VIF testing procedure to evaluate whether government policy construct is valid and can be continue to the next step of inner model analysis.

The formative construct can be evaluate using collinearity VIF procedure. Table 3 presented outer weight and VIF value of each indicator. Since, all indicators have distributed the VIF value are <5, so that, the collinearity issues does not exist in the government policy construct (Hair *et al.*, 2016).

Inner model analysis: Our model results concern with PLS-SEM structural models' validity with assessed through the strength of regression weights, t-values, p-values for significance of t-statistics. The R² can be used as the tools to measure of the model's predictive accuracy. It represents the amount of variance in the endogenous constructs explained by all of the exogenous constructs linked to it.

According to Chin (1998), that the value of Q² is <1 indicates that the model has good predictive relevance. The calculation of Q² predictive relevance shows the value of 0.81 means that 81% variable of sustainable tourism development can be explained by government policy, resident's perception and the quality of tourism destination. The next final statistical analysis is based on interdependent relationship between constructs that captured in Fig. 2 and at detail explanation in Table 4. We have found that four relationship support of 5% significant level.

RESULTS AND DISCUSSION

We used covariance-based SEM as the tools for predicting and bootstrapping technique applied to estimate research model's of parameters. Smart PLS 3 version is applied (Ringle *et al.*, 2015). Our regression analisys as presented in Table 4 shows that all the hypotheses were supported by the data. Specifically, it indicates that PLS-SEM residents' perception have significantly positive effect on improving quality of tourism destination and toward sustainable tourism development.

Our model results concern with structural relationship based on research hypothesis. We agree with Croes (2014) especially on the contribution of services and reputation and we also confirm with the relationship between economic development and tourism destination competitiveness. Our statistical estimation also have the same direction to the conclusions of weather, culture, events, tourist assessment, leisure supply, tourist infrastructure and accessibility to tourism destination area are so important and strategic key attributes.

The next step is the result of the quality tourism destination competitiveness, that so, important because an increase in destination competitiveness could be directly improve the destination's prosperity. Crouch We can conclude that the quality of tourism destination is directly linked to socio-economic prosperity (Fig. 2). Dwyer and Kim (2004) conclude that destination competitiveness supporting sustainable people income.

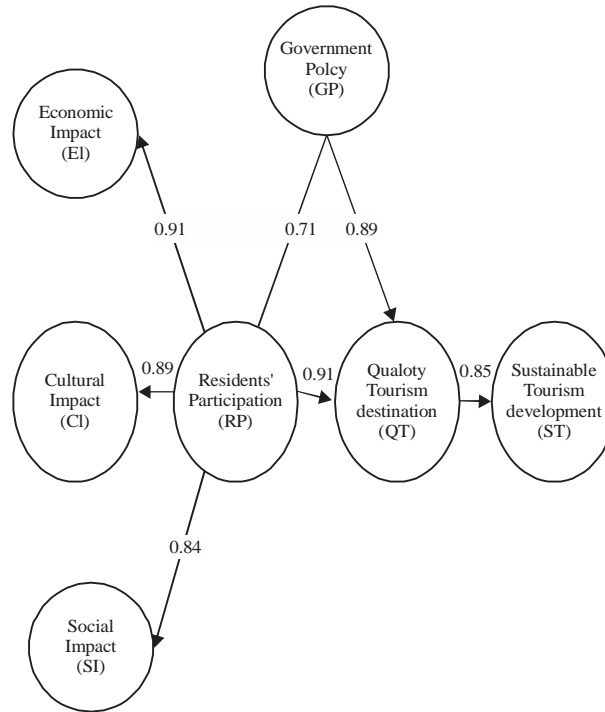


Fig. 2: Structural relationship model and Path values prediction

Table 4: Path coefficient and statistical test of direct effect

Description	Original sample (O)	SD	t-stats	p-values
GP->RP	0.71	0.310	2.290	0.022
GP->QT	0.89	0.410	2.171	0.030
RP->QT	0.91	0.330	2.758	0.006
QT->ST	0.85	0.240	3.542	0.000

Hunt and Stronza (2014) state that destination tourism plan must be covered more resident managers to ensure that direct employment is provided to residents for carrying that tourism revenue distributed among the number of residents (Hunt and Stronza, 2014). The residents' perceptions were measured based on three dimensions such as economic impact, social impact and cultural impact. However, as recommended by Lee and Hsieh (2016), that the study of quality destination should be more covered with the role of stakeholder collaboration. This way, further research is necessary in understanding the main character and behavior of residents' perception and its significant impact to support the quality of tourism destination to be more sustainable tourism development.

CONCLUSION

The analysis that carried out in this research article has allowed us to observe the phenomenon of destination competitiveness especially in emerging market countries, such as Bali region, Indonesia. We have applied quantitative SEM PLS methods to measure

residents' as part of community participation in supporting the competitiveness area of tourism destination.

This article more focused on research implications for fostering residents' perception toward participation for encouraging destination tourism service. However, our research analysis strongly indicates the opportunity of local resident and government policy stand for managing stakeholder to handle area of destinations that have the opportunity to increase tourism competitiveness by handling indicators such as economic impact, social impact and cultural impact that would be taking the role as leveraging competitive advantages.

As we noted at the beginning discussion in this study, tourism is a the most important resource for Bali and other region in Indonesia, that mostly understanding the importance of tourism in the world economy and the value-added of increasing domestic product of one country.

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