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Original Research Article

# Assessment of Sustainable Practices on Customers Satisfaction and Retention in Selected Hotels in Lagos State, Nigeria

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#### Abstract

Sustainable hotel practices refer to processes designed to minimize the consumption of energy and natural resources, waste and also to promote the use of non-toxic products (Stern, 2000). This study investigates the assessment of sustainable practices on customer's satisfaction and retention in selected hotels in Lagos state, Nigeria. The objectives were to determine the preception of customer on sustainable practices, and the level of customer satisfaction and retention in the selected hotels in Lagos state, Nigeria. The research was conducted in four categories of hotels in Lagos state (International, National, Urban and Suburban) based on the location from Jan 2021- Dec 2021. Survey research design was adopted for the study. Primary and secondary source of data were collected using questionnaire to investigate the preception of customers about sustainable practices and to determine the level of customer satisfaction with sustainable practices at the hotels. The Primary data include structured questionnaires was used to elicit information from target respondents. A total of Five hundreds (500) questionnaires were purposively administered in all four categories of hotels in Lagos state, who were guests at the hotels in Lagos state while secondary data includes the use of related journals materials and periodicals. Data were analyzed using frequency, percentage, mean and standard deviation while inferential statistical tools such as Pearson correlation, and Multiple linear Regression were used to test the hypothesis. The finding shows the Pearson chi-square is 66.77 and p value 0.00. The result is significant, p-value is equal or less than designated alpha level p<0.005 we reject the hypothesis that say customer's level of satisfaction with sustainable practices do not significantly predict the overall level of satisfaction with the hotel. The study concluded that the level of sustainable practices significantly predict their overall level of satisfaction with the hotels. Hence, it is imperative for a hotelier to practice quality sustainable practices to satisfy their customer and retain them. For hotel to make it environmental friendly from pollution and biodegradation of flora and fauna diversity. The research advises that sustainable practices should be implemented in all hotels related facilities.

**Keywords:** Customer Satisfaction, Energy consumption, Natural resources, Sustainable Practices

### INTRODUCTION

Sustainable environmental practices in hotels seek to minimize the use of energy and water and reduce solid waste in the normal course of operation to avoid depletion of the earth's finite natural resource (Green Hotels Association, 2017). The sustainable development of the hotel means that the development of the hospitality industry must be based on the tolerance of the ecological environment, in line with local economic development

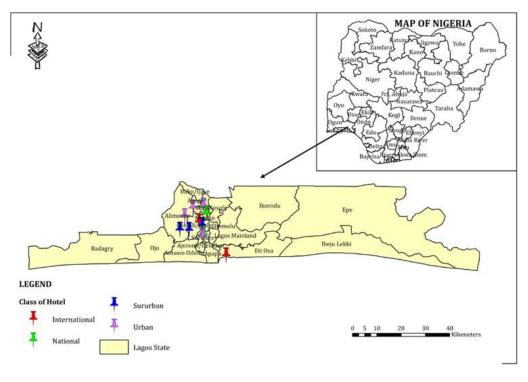


Figure 1: Map of Combined Hotels Sources: Field Survey, 2022

and ethics, reducing the generation and emission of waste and pollutants, promoting the production process of the hotel products and the environment and reducing the damage to the environment (Han and Yoon, 2015). Hotel pays more attention to the environment, economic and social values. These value can improve the hotel attractiveness (Boley and Uysal, 2013) and can increase the quality of the consumer experience (Becker, 2009), hoteliers found that customers with positive attitudes toward green behaviour and positive image about hotel, that implement green practices are willing to stay in such hotels, recommend them and willing to pay more for their sustainable practices.

Traditionally, Customer satisfaction is considered as a determinant of customer behaviour in the long run. Satisfaction is defined as the emotional impact of customers in repurchasing a product (Yusnita et al., 2016), Dief and Font (2010), stated that green marketing must be done to target in order to be able to reach all the expected target consumers. Hotels have adopted tools to measure customer satisfaction. Such tools involve the usage of satisfaction card in the guest rooms, postdeparture satisfaction questionnaires, adoption of services recovery method (Berezaina et al., 2016). The satisfaction and loyalty of guest is mostly affected by service quality and trust. The service provided when it has high quality, affected short term quest and long term guests. Building a good relationship with customers will increase the hotels sale rate and the loyalty degree of its guest. The customer with good relationship with hotels will return there whenever he can afford and will recommend the hotel with his friend so that the hotels took double sales from loyal customer that is why people are always talking about good relationship that will lead to the reputation and the good word of mouth (Al-Rousa and Mohamed, 2010).

## MATERIALS AND METHODS

## The study Area

The study was conducted in Lagos State capital of Ikeja in SouthWestern Nigeria on the Atlantic coast in the gulf of Guinea. It covers estimated area of 3577square kilometer, 787square kilometer is made up of Lagoons and Creek. It represents 0.4% of Nigeria territorial Land mass of 923.77km<sup>2</sup>. Lagos is one of the fastest growing cities in the world and a major financial centre in Africa. Lagos State is made up of five administrative division namely IBILE (Ikeja, Badagry, Ikorodu, Lagos Island and Epe) Lagos state have 20 Local Government and 37 L.C.D A. Fishing and Farming, Trading form the major occupation of the inhabitant of the division. Figure 1

## **Research Design**

The scope of the study examined the assessment of sustainable practices on customer satisfaction and

retention in selected categories of hotels in Lagos State, Nigeria. It is a survey study and so this research adopted a descriptive design to elicit information on the level of customers satsisfaction with sustainable practices at the selected repondents in term of energy saving bulbs, water conservation, waste management in the process of reduce, reuse and recycling, landscape design and involvement in socially responsible activities, etc.

### Source of Data

The survey methodology was chosen because it was deemed to be the most efficient way to reaching a large number of respondents . In order to get appropriate data, the study employed both primary and secondary source of data. Primary data were collected through questionnaire represented a mixed of guest who are first terms guest or revisit guests of hotels. The secondary source of data were collected from relevant books, journals publication and other online information.

The population of the study is basically the customers who patronize the hotels in Lagos State. There are 1011 registered hotel in Lagos State (Ministry of Tourism, Arts and Culture Alausa). 17 hotels are chosen randomly from the registered hotels. Five hundred (500) questionnaire were administred. Four hundred and three (403) were returned at various categories of hotels in Lagos state, International categories (IN), National Categories (N), Urban (U) and Surban (SB).

## Population of the study

The population of the study consists of the guest of the selected hotels in the state from 18 years and above.

Sample procedure and Sample Size- A simple random technique was used as follows:

Stage 1: This involved the mapping or knowing the number of hotels and their categories in Lagos state.

Stage 2: Simple random sample method in form of Hat drawn method was used to selected the respondents in order to give every guest in different categories of hotel equal chance to being selected, pieces of paper were numbered and dropped in a can. Those who picked the odd number, were selected for the study. This was done until the required number were selected for the study. This process ensured adequate randomization in the selection which was necessary in the conduct of research.

Data Analysis- Data collected were analyzed using Statistical Package for Social Science (SPSS Version 23.0) for the quatitative analysis. The study used both descriptive and inferential analysis. The data obtained by the close ended questionnaires on respondent (level of customer's satisfaction with sustainable practices at the selected hotels using Likert scale) were analyzed quantitatively by using percentage, frequency, mean, standard deviation. To do inferential statistics SPSS Version 23 program was employed to analyze the data.

The data collected was tested for reliablity using Cronbach's alpha Coefficient that shows internal consistency reliability of 0.86 for the composite score of 15 items used that denote a reliable variance.

### **RESULTS AND DISCUSSION**

# Customer's perception of the importance of Sustainable Practices in the hotels

The result presented in Table 1 revealed the importance of sustainable practices in hotels. The mean value (4.28) for the importance of sustainable practice with the highest mean recorded was that guests are conscious of the action taken to improve the environment, this is followed by guests being extremely worried about the state of the world's environment and what it will mean for the future (mean=4.23). Also revealed in the result obtained is that guests feel, frustrated when hotel companies carryout their business activities which pollute the environment (mean=4.18). This was followed by the service provided by the hotel industry that seriously damaged the environment, "I" will refuse to purchase them (mean=4.15) furthermore, when choosing a hotel company," I" always select the one with environmental certificate even if it more expensive (mean=4.11). This is followed by "guests purchase products that use less paper or cardboard for packaging" (mean=3.97) while guest regularly recycles at home had mean value of 3.36.

# Level of customers satisfaction with sustainable practices at the hotels

The result presented in Table 2 revealed the mean values for the level of customers satisfaction with sustainable practices at the hotel. The highest level of customer satisfaction with sustainable practices is energy saving light bulbs with mean value of 4.499. This is followed by architectural design of hotel compatible with natural environment with mean value 4.208 and used of local environmentally friendly products and using of water saving shower, facet and flush had mean value 4.199 at hotels. In general, guest satisfaction with the hotel mean value 4.176, having non-smoking room mean value 4.174, while pleasant landscape design and provision of bulk soap and shampoo dispenser by individual had mean value of 4.171 and 4.164 respectively. Using electricity system that shut down after leaving the room had mean value 3.978 while designing environmental education program and activities mean value 3.841 and supply of electricity from renewable energy resources has mean value 3.824. This is followed by towel or bed linen

Variables SD SA St. Dev D Ν Α Mean I am usually informed about enviromental 17 16 34 189 147 4.07 0.992 (46.9%) (4.0%) (8.4%) (36.5%) issues (42%) I am extremely worried about the state of 4.20 0.862 9 8 36 179 171 the world's environ and what it mean for (2.2%) (2.0%) (8.9%) (44.4%) (42.4%) the future I am conscious about the actions I can 7 12 29 169 186 4.28 0.856 take to improve the environment (1.7%)(3.0%) (7.2%) (41.9%) (46.2%) I often purchase products that's use less 13 23 70 155 142 3.97 1.023 paper or cardboard for packaging (3.2%)(5.7%) (17.4%) (38.5%) (35.2%) I feel frustrated when I think of hotel 15 15 32 162 179 4.18 0.980 companies that carry out their business (3.7%) (44.4%) (3.7%)(7.9%)(40.2%) activities by polluting the environment When two hotel companies are similar,I 14 23 35 172 159 4.09 1.008 tend to select the one the harm the (5.7%) (8.7%) (3.5%)(42.7%) (39.5%)environment less, even if it is expensive If the services provider by a hotel industry 4.15 12 15 38 174 164 0.948 seriously damage the environment, I will (3.0%) (3.7%)(9.4%) (40.7%) (43.2%) refuse to purchase them 9 When choosing a hotel company, I always 26 43 168 4.11 157 0.986 select the one with environment certficate, (2.2%) (6.5%)(10.7%) (39.0%) (41.7%)even if it is more expensive I regularly recycle at home 19 68 74 117 125 3.65 1.230 (4.7%)(16.9%)(18.4%) (29.0%) (31.0%)

Table 1. Customer's perception of the importance of Sustainable Practices in the hotels

Mean	Variance	Std Deviation	No of items
36.73	32.587	5.709	9

(Keys : SD-Strongly Disagree, D- Disagree , N-Neutral , A-Agree, SA-Strongly Agree) Source: Field Surveys, 2022)

Table 2. Level of customer's satisfaction with sustainable practices at the hotel

Variables	HS	S	Ν	D	HD	Mean	St. Dev
Energy saving light bulbs	5	5	27	113	253	4.50	0.780
	(1.2%)	(1.2%)	(6.7%)	(28.0%)	(62.8%)		
Using electric system which	7	38	79	112	167	3.98	1.071
shut down after leaving the	(1.7%)	(9.4%)	(19.6%)	(27.6%)	(41.4%)		
room							
Towel or bed linen reuse	36	37	55	136	139	3.76	1.264
	(8.9%)	(9.2%)	(13.6%)	(33.7%)	(34.5%)		
Use of local environmentally	9	12	44	163	175	4.20	0.909
friendly products	(2.2%)	(3.0%)	(10.9%)	(40.4%)	(43.4%)		
Pleasant landscape design	4	19	38	185	157	4.16	0.943
	(1%)	(4.7%)	(9.4%)	(45.9%)	(39.0%)		
Architectural design of hotel	7	13	40	172	171	4.20	0.847
compatible with natural	(1.7%)	(3.2%)	(9.9%)	(42.7)	(42.4%)		
environ							
Provision bulk soap and	10	20	31	175	167	4.16	0.943
shampoo dispensers and	(2.5%)	(5.0%)	(7.7%)	(43.4%)	(41.4%)		
removing the Individual bottle							
Using water saving showers,	8	11	31	196	157	4.20	0.847
facets and flush tanks	(2.0%	(2.7%)	(7.7%)	(48.6%)	(39.0%)		
Having non-smoking room	6	27	4.0	14.8	182	4.17	0.960
	(1.5%)	(6.7%)	(9.9%)	(36.7%)	(45.2%)		
Developing an environmental	6	23	69	149	156	4.06	0.956
recycling program, using	(1.5%)	(5.7%)	(17.1%)	(37.0%)	(38.7%)		
recycle resource							
Supplying electricity from	8	55	64	149	127	3.82	1.082
renewable energy resource	(2.0%)	(13.6%)	(15.9%)	(37.0%)	(31.5%)		

#### Table 2. Continue

<b>B</b>	-	~ -		. = .			
Designing environmental	8	37	83	158	117	3.84	1.009
education programs and	(2.0%)	(9.2%)	(20.6%)	(39.2%)	(29.0%)		
activities							
Encouraging guests to use	42	79	80	108	94	3.33	1.307
public transportation	(10.4%)	(19.6%)	(19.9%)	(26.8%)	(l23.3%)		
Use of solar instead of fuel	24	75	87	111	106	3.49	1.229
	(6.0%)	(18.6%)	(21.6%)	(27.5%)	(26.3%)		
In general, I am satsfied with	16	16	31	158	182	4.17	1.008
this hotel	(4.0%)	(4.0%)	(7.7%)	(39.2%)	(45.2%)		

(**Keys:** HS-Highly satisfied, S- Satisfied , N-Neutral , D-Dissatisfied, HD-Highly Dissatisfied) Source: Field Surveys, 2022)

Table 3. Test of the customer's level of satisfaction with sustainable practices does not predict their overall level of satisfaction with the hotels

Analysis	Value	df	Asympto Significance
Pearson Chi-square	66.766 <sup>a</sup>	30	0.000
Likelihood Ratio	60.174	30	0.001
Linear-by- Linear Association	16.778	1	0.000
No of Valid Cases	403		

Source : Field Survey, 2022..

reuse with mean value of 3.757 while use of solar power instead of fuel mean value 3.496 and encouraging guests to use public transportation had mean value of 3.330.

#### **Hypothesis Testing**

The result in table 3 shows there is significant relationship between customers level of satisfaction with sustainable practices predict their overall level of satisfaction with the hotels (P=0.000)

#### DISCUSSION

The study provides additional finding on the body of literature on the assessment of sustainable practices on customer satisfaction and retention in selected hotels in Lagos state, Nigeria. The study revealed that customer preception before visiting the hotel were majorly to indulge in luxury and comfort rather that to enjoy the sustainable practices at the hotels. They, however, perceived that offered quality service and also practices sustainable practices, where the room uses green card, energy saving bulbs, towel or bed linen used, pleasant Land scape design, using water saving shower, non smoking room, use less paper or card board for packaging, separate their waste, used environmental friendly product make room to be calm, cool, safe and environmentally friendly to prevent (air, water and land) pollution, climate change and biodegradation of the environmentally of flora and fauna habitat (Dejo and

Arowosafe, 2022). Seemingly, this is tandem with the previous research by Kruize et al., 2019 that the higher the level of literacy the better the perception of the populace toward of green space, futhermore, Miyan and Rakibul (2003) opined that the higher the level of education, the higher the positive perception about the values of green in the environmental development. This is consistent with previous research that showed that sustainable practices can have significant impact on business competitiveness (Manaktola and Jauhur, 2007, Han et al., 2009). It has argued that customers are increasingly concerned about climate change related problem and therefore frequently participate in ecofriendly activities in their daily life, seeking green product and services to contribute toward enviromental sustainablity. Guest shows that satisfaction is subjective to individual and hotels need to seek well to improve their competitiveness by treating guest at the hotel as individual entity and constantly getting feedback from individuals in order to know how to improve as supported by Q et al. (2012) Who defined customer satisfaction as the overall evaluation of his or her purchase and consumption experience of good or service. Chiapa (2013) opines that a good understanding of visitor behaviour could be a decisive factor to help hotels improve their management and marketing of attraction, thus improving customer satisfaction. Lee et al., 2011; Guo and Mattila, 2014 state that a satisfied guest can be motivated to return ( revisit) to the hotel on future to trips and disseminate positive word of mouth. The paper will serve as an insight to hotel owners and workers on various sustainable practice that the customer are

satisfied with when lodge in an hotels

### CONCLUSION

The study investigates the assessment of sustainable practices on customers satisfaction and retention in selected hotels in Lagos state, Nigeria. The study determines the preception of customers on sustainable practices, satisfaction level and retention in the study area. Hotels are attempting to satisfy their customers and retain them in the area of sustainable practices to gain their loyalty, make more profits and make the environment ecologically friendly. This study should be replicated in other states in Nigeria.

#### REFERENCES

- Al-Rousan MR, Mohamed B (2010). Customer loyalty and the impacts of service quality: The case of five star hotels in Jordan. *Int. J. Human Soc. Sci.* Vol. 5, No. 13
- Arowosafe FC, Dejo PT (2022) . Impact of sustainable practices on customer satisfaction and retention in selected hotels in hotels in Lagos State, Nigeria
- Becker EJ (2009). *The proximity hotel: a case study on guest satisfaction of sustainable luxury environments* (Doctoral dissertation, The University of North Carolina at Greensboro).
- Berezan O, Millar M, Raab C (2014). Sustainable hotel practices and guest satisfaction levels. *Int. J. Hospitality and Tourism Administration*, 15(1): 1-18.
- Berezan O, Raab C, Yoo M, Love C (2013). Sustainable hotel practices and nationality: The impact on guest satisfaction and guest intention to return. *Int. J. Hospitality Manag.* 34, 227-233.
- Berezina K, Bilgihan A, Cobanoglu C, Okumus F (2016). Understanding Satisfied and Dissatisfied Hotel Customers: Text Mining of Online Hotel Reviews. J. Hospitality Market. Manag. 25 (1), 1-24.
- Boley BB, Uysal M (2013). Competitive synergy through practicing triple bottom line sustainability: Evidence from three hospitality case studies. *Tourism and Hospitality Research*, *13*(4): 226-238.
- Chiappa GD (2013). Internet versus travel agencies. The perception of different groups of Italian online buyers (J. Vac. Market. 19:55-56
- Dief ME, dan Font, X. (2010). The Determinants of Hotels' Marketing Managers' Green Marketing Behavior. J. Sustainable Tour. 18 (2): 157–174.
- Gao Y, Mattila A, Lee S (2016). A meta-analysis of behavioral intentions for environment-friendly initiatives in hospitality research. *Int. J. Hospitality Manag.* 54, 107–115.

- Gössling S, Peeters P, Hall CM, Ceron JP, Dubois G, Scott D (2012). Tourism and water use: Supply, demand, and security. An international review. *Tourism Management*, 33(1), 1-15.
- Green Hotels Association. (2017, February 6). What are green hotels? Retrieved from http://greenhotels.com/index.php
- Han H, Yoon H (2015). Customer retention in the eco-friendly hotel sector: examining the diverse processes of post-purchase decisionmaking. J. Sustainable Tour. 23(7): 1095-1113.
- Kruize H, Vilet N, StaitsenB, Bell, R chiabiaA, Muinno G, Higgins S, Quiroga, S Martinen-Jurarez, Pingue, Tsichal, G: Khan, M.Moor, G and Stegema (2019). Urban Green space creating a triple win for enviroment Sustainability, Health, & Health through behaviour chang Int. J. Environ. Res. Pub. Health 2019 16(22pp) pgs 4403-4421
- Lee JS, Hsu LT, Han H, Kim Y (2010). Understanding how consumers view green hotels: How a hotel's green image can influence behavioural intentions. J. Sustainable Tourism, 18(7), 901-914.
- Manaktola K, Jauhari V (2007). Exploring consumer attitude and behaviour towards green practices in the lodging industry in India. *Int. J. Contemporary Hospitality Manag.* 19 (5), 364-377.
- Miyan RA, Rakibul H (2003). People perception toward value of urban green space in environmental development world forestry congress, Qubec, Canada (pp1-2)
- Prud'homme B, Raymond L (2016). Implementation of sustainable development practices in the hospitality industry: A case study of five Canadian hotels. *Int. J. Contemporary Hospitality Manag.* 28(3), 609-639.
- Q et al, (2012) . Consumer Acceptance and Use of information: Extending the unified theory of acceptance and use of technology MIS Quarterly,Vol .36 No1 pp157-178
- SitiNabiha AK, George RA, Abdul Wahid N, Amran A, Abustan I, Mahadi R (2011). 'A field survey of environmental initiatives at selected resorts in Malaysia', *World Applied Sciences*, Vol. 12, pp.56–63.
- Stern, P. C. (2000). Toward a coherent theory of environmentally significant behavior. J. Soc. Issues, 56 (3), 407-424.
- Yusnita Y, Zainudin A, Yahaya I (2016). The Influence of A Green Image And Customer Satisfaction Towards Customer Loyalty In The Hotel Industry. Proceeding of the 4<sup>th</sup> International Conference on Hospitality and Tourism Management, Bangkok, 26-27 May 2016, Srilanka:TIIKM.