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IMPORTANCE-PERFORMANCE MATRIX ANALYSIS OF KOTA BHARU'S ISLAMIC CITY IMAGE

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Abstract

In 2005, Kota Bharu as the Kelantan state capital in Malaysia was rebranded from a Cultural City to an Islamic City and projecting its image as an Islamic identity. Limited studies have been undertaken to assess city image from the perspective of visitors. Therefore, this paper aims to evaluate the perception of visitors on the importance and performance of the Islamic city image of Kota Bharu. Data were gathered using a self-administered survey questionnaire among domestic and international visitors in Kota Bharu in 2018. The questionnaire was prepared based on ten categories of Islamic Built Environmental factors, namely; natural environment, social need and human comfort, religious identity, tolerance, layout, elements of Jannah (paradise), intellectual and knowledge, cleanliness, economic system, and safety setting. The data were analysed quantitatively using partial least squares-structural equation modelling (PLS-SEM). The results revealed that visitors considered "Religious Identity" as the most important attribute which reached a satisfactory level, while other factors also needed to be addressed. The findings are expected to contribute to a better understanding of stakeholders in enhancing the image of Islam Bharu for management and marketing purposes.

Keywords: City image, importance-performance matrix analysis, Islamic city, Kota Bharu.

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INTRODUCTION

Kota Bharu as the state capital of Kelantan in 1991, was declared a "Cultural City" based on the historical elements, and its art and cultural heritage (Harun, Md Ali, & Zawawi, 2011). In 2005, the state government rebranded Kota Bharu as an "Islamic City". The principal objective behind the rebranding was to establish Kota Bharu as an Islamic City having its own identity and by highlighting the values of Islam. This was to be achieved by infusing the city's development planning processes with desirable Islamic precepts as stated in the Kota Bharu Islamic City Master Plan (Mohd Yusof, 2011; MPKB-BRI, 2006; Saad & Radzi, 2009), and also in the most recent draft of the MPKB-BRI Local Plan 2035 (Replacement) (MPKB-BRI, 2017). In the context of the research area of this study, the branding of Kota Bharu from a Cultural City to an Islamic City has transformed the city into an excellent strategy for tourism (Hassan et al., 2017b, 2017a; Mohd Nasir & Salleh, 2014) to promote Islamic tourism products aside from other popular cultural varieties.

Accordingly, this transition has resulted in important implications for the development of the city regarding its image to be more conducive with the philosophy of Islam. Not to mention, prevailing studies among the residents of Kota Bharu reported that there was confusion and misunderstanding towards the Islamic city concept and branding of Kota Bharu at the time (Mohd Yusof, 2011). As suggested by Mohd Yusof & Yaacob (2013), a clear understanding of the Islamic city concept and image must be identified and explained to the community and visitors to avoid confusion and misunderstanding that may disrupt the entire process. Therefore, this paper aims to evaluate the perception of visitors on the importance and performance of Kota Bharu's Islamic city image, in order to propose managerial and marketing strategies to improve the current condition of the city's Islamic image.

DESTINATION IMAGE

Image perception is an important aspect in determining an individual's motivation and decision to travel to other locations as a favourable image will likely lead to the individual's satisfaction level (Mungai, 2013). Understanding destination image is essential since it plays a key role in travel decisions (Pike, 2008) destination choice (Abd El Latif Ayad & Shujun, 2013), and tourist loyalty (Alexandre & Ana, 2015). As such, to identify existing imagery for a city, one needs to comprehend the image of the city itself. According to Lynch (1960), a city's image is read according to its physical and perceptible looks of the city's objects which are conveyed as the city's built environment.

Mohd Isa, Hj Zen, & Long (2014) defined Islamic built environment as a situation or setting that encompasses the combination of created elements with the implementation of Islamic ideology to serve human needs and values. Nonetheless, in the present context of this study, the interpretation of an Islamic

city image is reflected by the Islamic built environment (IBE) perceived and adopted from the ten factors of the IBE by Mohd Isa (2015). The factors include the natural environment, social need and human comfort, religious identity, tolerant, order, elements of Jannah *(paradise)*, intellectual and knowledge, hygiene, economic system, and the safety setting.

Table 1: Descriptions of the Factors of the Islamic Built Environment

Islamic Built Environment	Description of Factors	
(IBE) Factors		
Landscape and natural	The aspect of the natural environment as	
environment	emphasised and embedded in the built	
	environment.	
Social need and human comfort	The setting that concerns the social need and	
	bringing human comfort.	
Religious identity	The religious identity that suits the local culture	
	and is aimed at restoring the noble history of	
	Islamic civilisation.	
Tolerant	Able to bring the spirit of tolerance and liberty	
	to the community.	
Order	Setting and planning to impose Islamic	
	feelings.	
Elements of Jannah (Paradise)	The translation elements of Jannah (paradise)	
	which are intelligence, beauty, and tranquillity.	
Intellectual and knowledge	Expression of intellectual and knowledge	
	aspects of Islam.	
Hygiene	Emphasis on hygiene and cleanliness.	
Economic system	Executing an honest and worthy economic	
-	system based on Islamic values.	
Safety setting	The safety setting to the built environment to	
	provide a safe environment for the community.	
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Source: Mohd Isa (2015)

IMPORTANCE-PERFORMANCE MATRIX ANALYSIS (IPMA)

Importance-Performance Analysis (IPA) which is also called Importance-Performance Matrix Analysis (IPMA) is a method of evaluating the quality of service (Ormanovic et al., 2017). According to Ramayah & Rouibah (2016), this simple graphical tool can identify the most crucial attributes concerning their need for managerial action and define areas of improvements in developing a successful marketing programme to achieve an advantage over competitors. Hence, it is necessary to perform IPMA to avoid any ambiguity concerning managerial decisions and for marketing purposes (Deng & Pierskalla, 2018; Ramayah, Cheah, Chuah, Ting, & Ali Memon, 2016).

In tourism research, IPMA has been employed by researchers in many fields and has proven to be a valuable destination management tool (Deng &

Pierskalla, 2018; Rašovská, Kubickova, & Ryglová, 2020). It has also been used in Malaysia in reviewing urban tourism development (Muhibudin, Mohamed, & Abooali, 2010) and is widely used as an analytical technique for customer satisfaction management (Ahmad & Wan Afthanorhan, 2014; Dmitrieva, Fernandes, & Nunes, 2019). Therefore, in this study, IPMA is used to assess the visitors' perceptions of the Islamic city image attributes of Kota Bharu as areas for further research.

Conventional IPA was first introduced by Martilla & James (1977), where the assessment provides the average value of the importance and performance of different service attributes calculated in a defined coordinate system on a two-dimensional matrix. In this approach, the horizontal axis represents performance, and the vertical axis represents importance. The attributes are represented on a matrix where each attribute falls into one of four quadrants, as shown in Figure 1. The objects that fall into the "concentrate here" quadrant are of the utmost interest to the evaluators, as they represent areas of improvement.

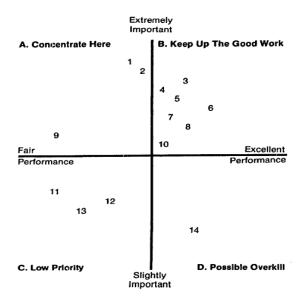


Figure 1: The partition of the original IPA matrix Source: Martilla & James (1977)

Although, one of the most significant drawbacks in the quadrant model (QM) rests in the priority of elements for improvement, where the smallest element that shifts in the coordinate system can lead to drastic changes in identifying priorities. Therefore, researchers have incorporated the concept of "gap" (discrepancy), which is regarded as the difference between performance and importance by adding the diagonal line at an angle of 45°. This is where the values of importance are the same as the values of performance which forms a diagonal model (DM), where generally, the DM performance is better than the QM (Abalo, Varela, & Manzano, 2007; Ormanovic et al., 2017). Figure 2 shows the modified IPMA grid used in this study.

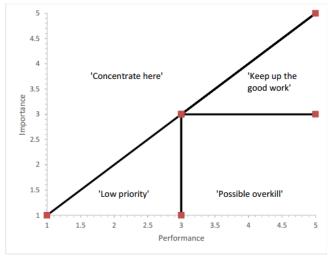


Figure 2: The partition of modified IPMA matrix Source: Pitas et al. (2017)

METHODOLOGY

Instrument Design and Measurement of Variables

A survey questionnaire comprising 62 questions was used in this study as the data collection instrument. Given that most of the items in the questionnaire were targeted to measure the respondents' perceptions and attitudes, a Likert-type scale was considered more appropriate and reliable to use (Ibrahim et al., 2013; Maiyaki & Mohd Mokhtar, 2010). The survey instrument was developed to measure the key variables of the research based on a 5-point Likert-type rating scale; 1 = "strongly disagree" and 5 = "strongly agree".

Data Collection

The survey was carried out amongst 428 domestic and international visitors aged 18 and above between April and August 2018. The duration of the survey was determined based on the peak seasons noted for international tourist arrivals (Kelantan Tourist Information Centre [TIC], 2018). The location of the survey included the city centre, public transportation hubs (airport and bus stations), and at popular tourist locations. Both a paper-based questionnaire, as well as an electronic copy displayed on a mobile tablet device, was used as instrument options for respondents in order to achieve a higher response rate.

Data Analysis

The data analysis consisted of two stages. In the first stage, the data were analysed with frequency using the Statistical Package for the Social Sciences (SPSS) software to determine the respondent's demographic profile, characteristics, and their perceptions towards Kota Bharu's overall Islamic city image attributes. In the later stage, Partial Least Squares-Structural Equation Modelling (PLS-SEM) of the SmartPLS 3 software was used to evaluate the IPMA to identify the overall effects of the structured model (importance) and the average value of the latent variable performance (performance).

FINDINGS

Demographic Background and Travel Characteristics of the Respondents Table 2 displays the respondents' demographic background and travel characteristics. Regarding gender, the respondents were equally divided with the majority of respondents married (51.9%) and well-educated (85.5%) aged between 26 and 40 years (49.8%). More than half of the respondents (63.8%) were local visitors, while the remaining respondents were international visitors. About 41.4% of respondents worked as professionals, followed by students (19.9%). Also, more than half of the respondents (51.6%) were first-time visitors, who mostly visited Kota Bharu with their families or friends (51.4%). Their primary sources of information were based on their experience as well as via the media or the internet. Given the majority of respondents travelled for leisure (53.9%) and shopping (37.2%), this could reflect the visited locations which were mainly the city centre (67.4%) and local markets and night markets (66%). The intention to revisit the study area was very high, at 91.3%.

Table 2: Respondents Demographics and Characteristics

Demographics/ Characteristics		Category	Frequency	Percent
Gender	Male		216	50.5
	Female		212	49.5
Age	18-25 years		164	38.3

	26-40 years	213	49.8
	41-56 years	49	11.4
	57 and above	2	0.5
Marital status	Single	222	51.9
	Married	193	45.1
Religion	Muslim	302	70.6
_	Others	126	29.4
Residence	Local	273	63.8
	International	155	36.2
Education level	No formal education	1	0.2
	Primary school	2	0.5
	Secondary school	55	12.9
	College/ University	366	85.5
	Others	4	0.9
Occupation	Employed (management/ professional)	177	41.4
_	Employed (manual/ clerical)	65	15.2
	Employed (design)	36	8.4
	Self-employed	51	11.9
	Unemployed	10	2.3
	Retiree	3	0.7
	Student	85	19.9
Travel	First visit	226	51.6
Frequency	More than one visit	212	48.4
Travel	Alone	73	16.7
Accompany	Partner	99	22.6
	Friends or families	225	51.4
	Colleagues	31	7.1
	Others	7	1.6
Travel Learn	Already knew	229	52.3
	Media or Internet	213	48.6
	Friends or relatives	142	32.4
	Books or guides	50	11.4
	Travel agency	55	12.6
	Fair or exhibitions	23	5.3
	Others	37	8.4
Travel Purpose	Holiday	236	53.9
	Shopping	163	37.2
	Business	52	11.9
	Meeting, conference, seminar	78	17.8
	Education	66	15.1
	Arts and culture	42	9.6
	History and heritage	33	7.5
	Sports and recreation	40	9.1
	Health	15	3.4

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	Religious activities	40	9.1
	Visit friends or relatives	116	26.5
	Others	48	11.0
Place Visited	City centre	295	67.4
	Market or night market	289	66.0
	Museum or palaces	128	29.2
	Art, culture or craft centre	134	30.6
	Mosque or <i>pondok</i>	120	27.4
	Nature, beach or river	159	36.3
	Others	39	8.9
Intention to	Yes	400	91.3
Revisit	No	36	8.2

The Importance-Performance Analysis of Kota Bharu's Islamic City Image Table 3 displays the findings of the total impact (importance) and the index value (performance) from the IPMA. Regarding importance, the Order construct (OD) marked the highest score (74.769) followed by Intellectual and Knowledge (IK) (68.083). Nevertheless, concerning performance, Order (0.200) and Religious Identity (RI) (0.393) were far better compared to other constructs.

Table 3: Index Value and Total Impact of IPMA

Construct	Importance (Total effect)	Performance (Index Values)
Element of Jannah (EJ)	62.655	0.097
Economic System (ES)	64.486	0.045
Hygiene (HG)	56.865	-0.125
Intellectual and Knowledge (IK)	68.083	0.125
Construct	Importance	Performance
Landscape and Natural Environment (NE)	60.163	0.133
Order (OD)	74.769	0.200
Religious Identity (RI)	67.806	0.393
Social need and human comfort (SN)	62.282	-0.027
Safety Setting (SS)	63.040	-0.022
Tolerant (TL)	64.147	0.008

Figure 3 below illustrates the Priority Map (IPMA) of the Islamic City image viewed among Kota Bharu visitors. As shown in the figure, it can be seen that most of the factors were seen as equally important based on the component's position in the plotted priority map. The map reveals that the Religious Identity (RI) construct was viewed as attentive, but with lower performance compared to the Order (OD) construct. Nevertheless, Religious Identity (RI) is excellent since its ratings of importance and performance were reasonably balanced. This indicates that the RI factor has been at a satisfactory level (keep up the good work).

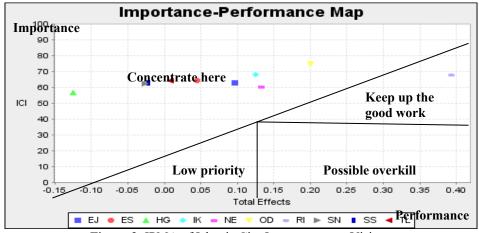


Figure 3: IPMA of Islamic City Image amongst Visitors

Aside from that, other constructs occupy the zone above the diagonal, which means that the remaining constructs need to be concentrated. According to Ramayah et al. (2016), the greater discrepancy between importance and performance leads to a higher need for remedial action. Accordingly, this is because a larger discrepancy is assumed to cause greater dissatisfaction, which needs to be noted and concentrated. Regarding Hygiene (HG), this construct is quite remote from the other constructs having the lowest performance, which is an issue that should be addressed among the entire concentrated constructs. On the other hand, no construct was found in the 'low priority' and 'possible overkill' section.

DISCUSSIONS

IPMA analysis was conducted to identify the most relevant indicators for the management and marketing of Kota Bharu. According to the results of the analysis, all factors were found to be excessively exemplified based on the component's position in the plotted IPMA map. This indicates that all factors are

important and should be considered in building the Islamic City image. The Religious Identity (RI) factor has also been at a satisfactory level of the city's Islamic image, which assessed whether the city features were constructed incorporating Islamic architecture features. This illustrates the sense of Islamic ambience, evoking a sense of reviving the glorious history of Islamic civilisation, and representing the local culture. These features are in line with the initiatives implemented from the initial inception of the Islamic city concept in Kota Bharu where it has a set of design features by applying the characteristics of Islamic architecture while preserving the Kelantan local identity.

Although Identity (RI) is viewed as attentive, its performance is less compared to the Order (OD) factor. OD was perceived as being more dominant compared to RI, possibly because the mosque and *Qiblat* structures gave a higher impact on the waking spirit of Islam, compared to the structures with Islamic façades. The Islamic urban setting with the mosque as the core provides memories to God and reminds Muslims of the obligation of prayer. The location of the mosques attached to the commercial and social centre falls along the same lines with the common features of other Islamic cities.

Nonetheless, it is also important to highlight that Hygiene (HG) had the lowest score in the IPMA, which should be acknowledged by city managers. Cleanliness is also an important factor regarding the Islamic city image but was found in this study to have the lowest performance. As such, it must also be taken seriously by the authority to determine feasible and affordable solutions to address this issue. Notably, the government should undertake and promote creative and effective awareness-raising campaigns based on the Islamic approach in conjunction with the branding of Kota Bharu as an Islamic city.

CONCLUSIONS

The results of the IPMA analysis revealed that visitors assessed Religious Identity (RI) as the most important attribute; even though all nine factors were equally perceived as important but still require the same degree of attention. Hygiene was identified as the main area of focus in projecting the city's Islamic image, given its importance and significance. The result of this study could be used as a reference for city managers, tourism marketers and other stakeholders in propelling the Islamic image of Kota Bharu. Though, this should be supported by a sound marketing strategy and awareness programs. For future study, investigation on other segments of domestic and international visitors to Kota Bharu could be undertaken. Here, different contexts could be employed by considering new variables such as tourist loyalty.

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