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The Effect of Service Quality and Value of Five-Star Hotel Services on Behavioral Intentions with the Role of Consumer Satisfaction as Mediator

Vasco Adato H. GOELTOM¹, Yustisia KRISTIANA², J. JULIANA³, Innocentius BERNATO⁴, Rudy PRAMONO⁵

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Abstract

This study aims to improve knowledge of consumers' decision-making by testing a conceptual model that considers the hotel's service quality and service value toward customers' behavioral intentions using a mediator, which is the role of consumers' satisfaction. The object of this research is five-star hotels, which has become a significant segment of the general hotel industry and is undergoing rapid expansion. This research is a quantitative research using questionnaire as the sampling method answered by people who have stayed at five-star hotels before. The total of 150 valid respondents were used in this study. The collected data was processed by a statistical tool software, Partial Least Square (PLS). The major findings of this research showed that the relations between service quality and service value of five-star hotels do not have significant positive impact on consumers' behavioral intention, nonetheless the mediation analysis shows that customers' satisfaction partially mediates service quality and service value with consumers' behavioral intentions to stay. It means that in this case, consumers' satisfaction has an important role to mediate service value quality and service value. As a result, the study shows that four out of six hypotheses are supported. A couple of recommendations are suggested for further research.

Keywords: Hotel Service, Service Quality, Service Value, Customer Satisfaction, Behavioral Intention

JEL Classification Code: L00, L83, Z31

1. Introduction

Quality of service, consumer satisfaction, and loyalty in the hotel business are main principles for building a long-term relationship between customer and organization. However, service quality conditions affect the company's competitive advantage by maintaining customer protection, and with this, emerging market contribution (Park et al., 2004; Morash &

Ozment, 1994; Mulyono et al., 2020). Providing excellent services to consumers is very important for the viability of hotels, so it is necessary to understand what consumers expect from their services. Therefore, behavioral intention is key for hotel management to ascertain whether customer would deal with the firm itself (Tran, 2020).

The hotel is a company that provides accommodations that give guests 'home' when away from their homes. Now, five-star hotels are very important in any economy because most international tourists and well-known domestic tourists stay at this hotel. The attractiveness of Indonesian tourism encourages many foreign and domestic players to set up their operational facilities in the country. Therefore, all hotels need to make sure customer satisfaction through providing high quality services to their guests meet their financial and strategic goals. Providing high quality services to guests is very important for the survival of the hotel. Improving employee performance is one of the most important and productive ways for hotels to stay competitive.

On the other hand, given that providing quality service and satisfying consumers has become the purpose of the service provide, service quality and customer satisfaction need to be investigated to find out where the hotel is located

¹First Author. Pelita Harapan University, Indonesia.

Email: vasco.goeltom@uph.edu

²Pelita Harapan University Indonesia.

Email: yustisia.kristiana@uph.edu

³Pelita Harapan University, Indonesia. Email: juliana.stpph@uph.edu

⁴Pelita Harapan University, Indonesia.

Email: innocentius.bernato@uph.edu

⁵Corresponding Author. Lecturer, Pelita Harapan University, Indonesia [Postal Address: MH Thamrin Boulevard 1100, Klp. Dua, Kec. Klp. Dua, Tangerang, Banten 15811, Indonesia]
Email: rudy.pramono@uph.edu

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and to develop right methods that lead to prominence. The impression that tourists will have of the organization as a whole will depend on their interactions with frontline employees, which means that the latter has a role in service quality. However, quality control of services is very important for customer retention. Customer loyalty is the main determinant for an organization's long-term financial performance (Jones & Sasser, 1995).

The tourism industry continues to develop rapidly in the world, including Indonesia. Quality of service plays an important role in the hospitality industry because there is a need to offer good services. Efficiency cannot be achieved without good and proper service quality standards. Quality assurance of service is very important in a variety of hotels, especially five-star hotels, because, besides exceptional aesthetics, the most important thing is the service that must be basically perfect (McLean, 2019). Service is a solid and conclusive determinant of hotel guest's loyalty that is mediated through the satisfaction of guests. Nevertheless, service quality itself is not enough to ensure customers will be loyal. To earn their loyalty, guests must also be satisfied with the services provided (Maroco & Maroco, 2013). So, it is important to cut all loss of service quality in this sector to make sure consumers' satisfaction is attained. The construct of contentment has entered the marketing area (Lee & Seong, 2020). Prior research indicates that consumers' absolute behavioral intentions emanate from their satisfaction, while at the same time satisfaction is the outcome of proficient and decent service quality (Tran & Le, 2020).

Media Indonesia (2019) mentions that room occupancy rates in five-star hotels in Indonesia from May 2018 to May 2019 are decreased by 3,50 %. Based on the background of the research mentioned above, this study seeks to investigate the decision-making factors that affect the quality of hotel services; the main goals of this study are, thus: 1) to improve understanding of the consumer decision-making process by testing a conceptual model that considers the quality of five-star hotel services, service value, and satisfaction with behavioral intentions; 2) to examine the relationships between five-star hotel service quality factors, satisfaction and service values, and behavioral intentions within the framework of modeling structural equations; and 3) to assess consumer perceptions of the level of service provided by five-star hotels.

2. Literature Review

2.1. Luxury Hotel

The luxury hotel industry has become a prominent and valuable part of the general hotel industry and is passing through rapid evolution. Danziger (2005) categorizes luxury into four dimensions that put the ideal of luxury

into perspective, namely, "luxury as a brand", "luxury as a product feature", "luxury as a need", and "luxury as a power to pursue the passions." Luxury hotels, as the real existence of certain established luxury brands, fall into "luxury as a brand category", namely, about people who consume luxury products and services because they considered as a symbol of luxury and the best quality (Danziger, 2005). "Luxury as a product feature" looks at the specific attributes of the product or service, which in our case means things like the inside and outside decoration of hotel buildings, or the quality and perfection of hotel amenities. The third dimension, "luxury as needs", defines luxury as something above basic needs. For the hospitality industry, accommodation and catering are the primary necessities, while luxury hotels – in this case, five-star hotels – offer services that are above and beyond what is thought of luxurious (Becker, 2009). The last category, "luxury as the power to pursue desire" refers to purchasing posh things to make life feel more pleasing and adequate, for example, spa treatments in hotels.

The luxury hotel segments are divided as follows: 1) luxury major; 2) exclusive luxury; and 3) upper upscale (The World Luxury Index, 2013), which includes five-star hotels. A five-star hotel is arguably the most luxurious one. A five-star hotel is a property that offers guests a top-line luxury level through personal services, a variety of facilities, and advanced accommodation for guests among the most complex to run, which must meet all service, facilities and comfort criteria.

This type of hotel is the most vivacious among other types of hotels in the industry, enjoying special status in prosperous times, but often suffers much when an economic crisis come (Chu, 2014).

2.2. Service Quality in Hotel Services

There are some perceptive designs or models that have evolved to check consumers' satisfaction. From a marketing perspective, customer satisfaction is achieved when customer needs and desires are met (Lam & Zhang, 1999). Understanding exactly what consumers expect is the most important step in defining and delivering high-quality services (Zeithaml et al., 1996). Service quality and customer satisfaction have increasingly been identified as key factors in the battle for competitive differentiation to gain customer retention and customer loyalty (Hersh, 2010; Ka-dampully & Suhartanto, 2000; Su, 2004). While this is important in all areas of the tourism and lodging industry, the benefits of customer expectations for mid-top hotel services are important to keep customers satisfied and wanting to return (Mohsin & Lockyer, 2010; Oh, 1999).

Given the growth of services over the past decade, service quality model measures the difference between customer expectations about the general quality of a

particular service provider group and their perceptions about the actual performance of service providers from that group. The model uses a set of service quality determinants to fill the gap between ideal and perceived products or services, separately from the five fundamental dimensions, namely: physical evidence (tangibility); responsiveness; reliability; assurance; and empathy.

2.3. Service Value

The issue of value creation or added value has been widely discussed in consumer and industry marketing literature and is often treated as a major part of the organization's mission and goals statement. Service value is defined as an important variable of customer satisfaction and behavioral intention (McDougall & Kevesque, 2000). Zeithaml (1988) describes the value perceived conceptually as consumers' overall assessment of the utility of a product based on perceptions about what has been received and what is given. He identified four unique definitions of the construct of values with exploratory investigations: 1) value is a low price; 2) value is whatever I want in a product; (3) value is the equivalence I get for the price I pay; and 4) value is what I get for what I give. Overall, value is an exchange or trade-off between giving (benefit) and giving up (sacrifice). The value of what is given and what is received varies between consumers.

2.4. Satisfaction

Company performance leads to customer satisfaction with products or services (Huang & Feng, 2009). Customer satisfaction is fundamental in the practice of consumer autonomy or sovereignty. In recent research, consumer satisfaction or dissatisfaction has become an important issue for marketing practitioners because of the fast-developing business environment. Consumer satisfaction is defined as an assessment made based on certain service encounters. Satisfaction and loyalty are not substitutes for each other (Bloemer & Kasper, 1995; Oliver, 1999). It is possible for consumers to stay loyal without feeling very satisfied and being very satisfied, but not yet loyal. Companies must need to get a better understanding of the relationship between satisfaction and behavioral intentions in the corporate environment and to allocate marketing efforts between satisfaction initiatives and behavioral intention programs.

2.5. Behavioral Intention

Warshaw and Davis (1985) define behavioral intentions as the extent to which a person has formulated a conscious plan to do or not do some determined future behavior. Consumer behavior primarily links consumer decision-making processes with their consumption choices and experiences.

It also means that consumer behavior includes the feelings and thoughts experienced, and behavior during their buying process. At the same time, it also includes environments that affect emotions, cognition and consumer behavior, such as other consumer comments, advertisement marketing, product price information, packages, product appearance, etc. Compared to variables of service quality or customer satisfaction, the behavior in question is more closely related to real behavior and reflects a higher diagnostic value.

2.6. Hypotheses

Current visitors' behavior depends on the extent of gratification with their goals. There is a certain link between visitor satisfaction and their behavioral intentions (Beerli & Martin, 2004). In addition, if a customer is very satisfied staying in one of the hotels, he will likely visit it again and will gladly recommend it to his friends and/or family (Oliver, 1980). Fornell et al. (1996) and Gooding (1995) say that the causal relationship between values and behavioral intentions of consumers is expected to apply in customer process situations before and after staying in a hotel. Evaluation of service quality that is cognitive oriented and service value leads to evaluations of emotional satisfaction (Cronin et al., 2000). Parasuraman et al. (1988) and Zeithaml et al. (1996) have reported that there is also a certain bound among perceived service quality and behavioral intention.

Anderson et al. (1994) state that consumers' satisfaction entails several events or impressions with services provided and impacted by perceived service quality itself. Satisfaction is a perception or impression and hope (Kotler, 2000). An increase in a level of satisfaction will also increase the potential to repurchase the product or service offered (Buttle, 2004). Therefore, satisfied consumers have a tendency to become loyal consumers, and repeat purchases are more likely to occur. In addition, satisfied consumers are more likely to be tolerant of potential service failures. Furthermore, perceived values are conceptualized as consumer evaluations of perceived benefits and perceived sacrifices (Zeithaml, 1988). Perceived service value will be directly influenced by perceived service quality (Choi et al, 2004). Strengthened by earlier studies of quality which states service quality has an absolute leverage on the value of services (Fornell et al., 1996; Wakefield & Barnes, 1996). This study formulates the following hypotheses:

H1: *Consumer satisfaction is positively related to behavioral intention*

H2: *The value of service has a positive impact on hotel guests' behavioral intention*

H3: *There is a positive and direct relationship between the value of service and satisfaction*

H4: Service quality is positively related to behavioral intention

H5: Service quality is positively related to customer satisfaction

H6: Service quality is positively related to service value.

3. Research Methods and Materials

3.1. Research Method

This research is a quantitative study with cross-sectional time dimension. This study uses a non-probability sampling technique, which does not provide equal opportunities to members of the population selected as sample members. Through quantitative data collection techniques, the instrument used to collect samples is a questionnaire method distributed to respondents who have stayed at five-star hotels before. The structured questionnaire includes a five-point Likert scale.

According to Ferdinand (2006), the sample relies on the amount of index used in all potential variables. The number of samples is the number of indicators multiplied by 5-10. The determined sample is five times all indicator variables ($30 \times 5 = 150$). So the number of respondents needed in this study were 150 people. Some 42 respondents were male (28%) and 108 female (72%). Some 108 (72%) respondents were in the 19-22 age bracket, followed by 20 people (13.3%) aged 23 to 29; 12 people (8%) aged 30 to 40; 10 people (6.7%) aged 40 and older; and no respondent

were below 18 years old. A total of 131 (87.3%) respondents were unmarried and 19 (12.7) were married. Furthermore, respondents were dominated by 91 students, accounting for 60.7% of respondents; 35 (23.3%) were employees; 15 (10%) were self-employed, and nine (6%) respondents were in the “Others” category. Respondents who took the questionnaire were guests who had stayed in a five-star hotel before. Some 110 respondents (73.3%) answered their last travel destination was for vacation or travel, 25 respondents (16.7%) for business, and 15 people (10%) to visit.

The data were processed using the statistical analysis software Smart PLS (Partial Least Square) v.3.3.2.

3.2. Tables and Figures

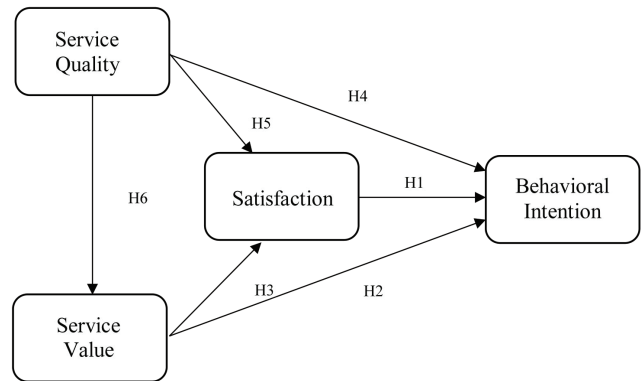


Figure 1: Research Model

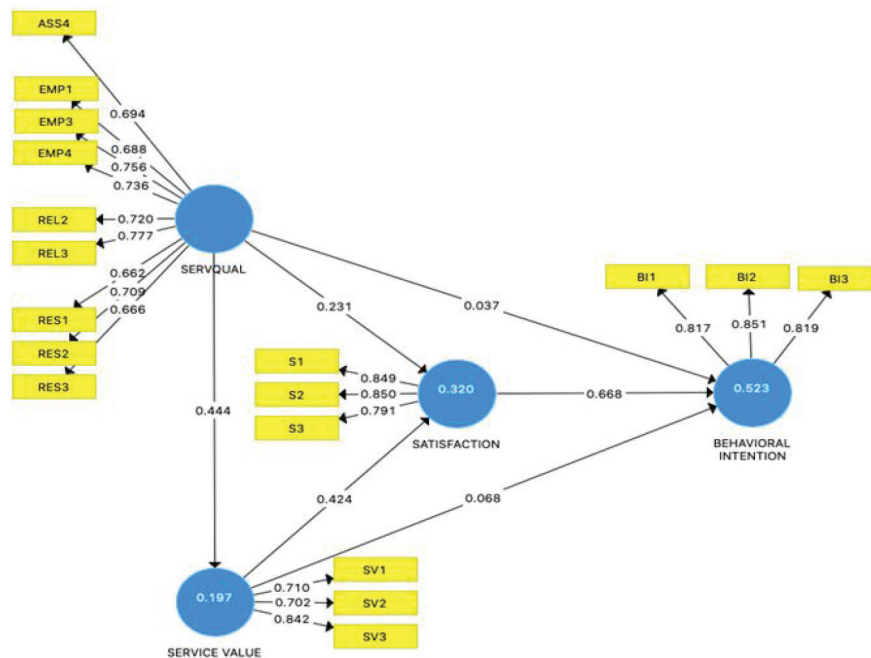


Figure 2: Hypothesis Test Results Model

Table 1: Evaluation of Expenditure Models

Dimension/Variable	Loading Factor	AVE	CR
QUALITY OF SERVICE			
Hotel employees have the ability to answer your questions	0.694	0.508	0.903
The hotel gives you individual attention	0.688		
The hotel has employees who give personal attention	0.756		
Hotel employees meet your special needs	0.736		
When a hotel promises to do something at a certain time, it happens	0.720		
When you have a problem, the hotel shows sincere attention to solve it	0.777		
Hotel employees provide fast service	0.662		
Hotel employees handle requests or complaints well	0.709		
Hotel employees are always willing to help you	0.666		
SERVICE VALUE			
I always have a good impression of five-star hotels	0.710	0.569	0.797
Hotel rates are reasonable	0.702		
I believe that the hotel offers services that match the money spent	0.842		
SATISFACTION			
I believe I did the right thing when I decided to stay at a five-star hotel	0.849	0.690	0.870
My decision to stay at a five-star hotel was a wise decision	0.850		
I am satisfied with the service of a five-star hotel	0.791		
BEHAVIOURAL INTENTIONS			
I will return to stay at a five-star hotel	0.817	0.687	0.868
I would recommend five-star hotels to others	0.851		
If asked, I would say good things about five-star hotels	0.819		

Table 2: Evaluation R²

	R Square	R Square Adjusted
Behavioural Intention	0,523	0,513
Satisfaction	0,320	0,311
Service Value	0,197	0,191

Table 3: Collinearity Evaluation

As a predictor of Behavior Intentions	
Construct	V I F
Quality of Service	1.470
Service Value	1.509
Satisfaction	1.324

Table 4: Hypothesis Test Results

Hypotheses	Coefficient	t _{count}	Results
H1: Consumer satisfaction is positively related to behavioral intention	0.688	9.212	Support
H2: Service value has a positive impact on behavioral intentions	0.068	0.820	Does not support
H3: There is a positive and direct relationship between the value of service and satisfaction	0.424	4.876	Support
H4: Service quality is positively related to behavioral intention	0.037	0.472	Does not support
H5: The quality of service is positively related to the satisfaction of the consumer	0.231	2.635	Support
H6: Service quality is positively related to service value	0.444	6.171	Support

4. Result and Discussion

4.1. Evaluation of Measurement Model (Outer Model)

Validity and reliability tests were carried out on the results of the questionnaire to figure out the measurement model for variables. Validity test shows how well the data collected covers the real area of investigation (Ghauri & Gronhaug, 2005). The concept of validity is the degree to which a test can measure what it intends to measure (Sawilowsky, 2007; Sireci, 2007). While the reliability test concerns the extent that the measurement of a phenomenon provides stable and consistent results (Carmines & Zeller, 1979).

Average Variance Extracted (AVE) is the number of indicator variances calculated by the items underlying the construct and must be > 0.5 , so that latent variables explain more than half of the indicator variants (Chin, 1988) and composite reliability must be above 0.7 (Ghozali, 2011) as a standard of the reliability test. The threshold value that generally accepted is 0.7 or more, even though values below 0.7 have been considered acceptable (Hair et al., 2014). Validity testing using discriminant validity refers to the extent to which the construct is actually different from each other empirically. It also measures the level of difference between overlapping constructs (Hair et al., 2014). This study assesses discriminant validity by adjusting the Fornell-Lacker criteria. This method compares the square root of AVE with the latent construct correlation. The construct must describe the variant of the indicator itself better than the other latent construct variant (Fornell & Larcker, 1981). Therefore, the square root of each AVE construct must have a value greater than the correlation with other latent constructs (Hair et al., 2014).

According to Solimun et al. (2017), a correlation achieves convergent validity if it has a loading value > 0.5 . Based on Table 1, the output shows that the loading factor gives a recommended value of > 0.5 . So, the manifest variable

contained in this study is decent. AVE of each construct shows value > 0.5 and composite reliability value > 0.7 .

4.2. Evaluation of Structural Model (Inner Model)

The value of R-Square constructs consumer behavioral intention is worth 52.3% and the remaining 47.7% is affected by other factors that are not in this study (see Table 2). Table 3 shows that all indicator items on service quality, service value and satisfaction have values below 5. Therefore, it says that all indicator items in the latent variable of this study did not have multi collinearity (Hair et al., 2014).

Bootstrap method was used to test the hypothesis in this study on the sample data as much as 5,000 times. To test the hypotheses, a comparison between t-table and t-statistics is important. A value of t-statistics greater than t-table shows that the hypothesis supports the variable and vice versa. The significance level of 95% ($\alpha = 0.05$) in the one-tailed hypothesis must be ≥ 1.64 (Hartono, 2011). Based on the processed data shown in Table 4, two hypotheses in this study were rejected or not supported – H2 (service value has a positive effect on behavioral intention) and H4 (service quality is positively related to behavioral intention). Meanwhile, the other hypotheses were accepted or considered supported because the recorded t value was > 1.64 (see Table 4).

Furthermore, the model of the hypothesis test results using PLS is shown in Figure 2. According to the results of the processed data, the physical evidence indicator (tangibility) is eliminated because the outer loading value is below 0.7 and does not support the AVE value of the service quality variable. The four indicators that are not eliminated have a total effect of 0.037 on behavioral intention (Y), of 0.424 on satisfaction and 0.444 on service value variables. Service value (X2), which includes three indicators, has a total influence of 0.068 on the behavioral intention variable. Satisfaction (X3) as an intervention or mediating variable includes three indicators and has a total effect of 0.688 on

behavioral intentions. An explanation of the evaluation of expenditure models can be seen in Table 2.

The effect the service quality variable (X1) on the behavioral intention variable (Y) is a direct effect of 0.037, while the indirect effect through the satisfaction variable (X3) was obtained from $0.231 \times 0.668 = 0.155$. Then, the total effect of X1 on Y is $0.037 \times 0.155 = 0.192$. Next, the direct effect of service value (X2) on behavioral intention (Y) of 0.068 and the indirect effect through intervention variable (X3) was obtained from $0.424 \times 0.688 = 0.292$. So, the total effect is $0.068 + 0.292 = 0.360$. The result of the indirect effect of X1 on Y through X3 is obtained from $(0.231) \times (0.688) = 0.159$. Thus, the total effect is $0.037 + 0.159 = 0.196$. For the results of the indirect effect of X2 on Y through X3 of 0.284 obtained from multiplication (0.424) and (0.668) and have a total effect of 0.352.

4.3. Discussion

As shown in Figure 2, satisfaction in this study is modeled as an intervention process or mediating effect. In addition to satisfaction, service quality and service value have a direct effect on consumer behavioral intentions. Service quality and value of five-star hotel services also have an indirect effect because they are mediated through satisfaction. The direct effect of service quality on behavioral intentions is mediated by service value and satisfaction. The indirect effect of service value on behavioral intentions is mediated by satisfaction.

The results of the first hypothesis (H1) support that consumer satisfaction is positively related to behavioral intention. The direct relationship between satisfaction and consumer behavioral intentions is strengthened by much of the literature. Petrick et al. (2001) show that consumers' intention to repurchase is influenced by three factors: past behavior, satisfaction, and perceived value. More specifically, the first hypothesis in this study is supported by another study from Jones and Suh (2000), which states the consumer's behavior intention is determined by overall satisfaction. When consumers are satisfied, the result is a positive evaluation (Soderlund, 2003). Therefore, the positive association between satisfaction of consumers and intention to repurchase is assumed.

The results of the second hypothesis (H2) do not support that the service value has significant impact on hotel guests' behavioral intentions. These results show that the direct effect of service values on behavioral intentions is not significant, so there is no mediating effect on the hypothesis. The majority of respondents who participated indicated that the values regarding five-star hotels such as impressions and rates issued did not greatly affect their behavioral intentions when deciding to stay.

The results of the third hypothesis (H3) support that there is a positive and direct relationship between service value

and customer satisfaction. Service value is explained as a global assessment of the product or service that consumers receive from the product. This depends on consumers' thoughts about obtaining and providing services (Lee et al., 2005). In this study, service value mediates the role of variables between service quality and satisfaction with consumer behavior intentions. This shows that the service value obtained in consumer behavior have to be mediated by satisfaction so that it is significant.

The results of the fourth hypothesis (H4) do not support that service quality is positively related to behavioral intention. The majority of the respondents answered the lack of value as one indicator on the service quality variable that was omitted after going through the data processing, namely, physical evidence (tangibility). This means that respondents do not feel that hotels have attractive facilities, well-dressed employees, etc., even though these things are important to them. Therefore, the direct relationship between service quality and behavioral intention of consumers to stay at five-star hotels is not significant, this indicates that the correlation between the two variables must be mediated by satisfaction, according to the following H5 results.

The results of the fifth hypothesis (H5) support that service quality is positively related to customer satisfaction. This was supported by a study by Awad (2012), where consumer satisfaction was mentioned as an important concern for companies and organizations in their efforts to improve the quality of products and services, as well as maintaining consumer loyalty in a very competitive market that encourages consumer behavioral intentions to buy. Hotel guests expect better service from hotels in all dimensions of service quality to increase their satisfaction. They have the lowest perception score on empathy and physical evidence (Al Khattab & Aldehayyat, 2011).

The results of the last hypothesis (H6) support that service quality is positively related to service value. According to earlier research by Zeithaml (1988), perceived value is a direct antecedent of purchasing decisions and direct consequences of perceived service quality. Cronin et al. (2000) conducted a study in which quality of service, customer satisfaction, and perceptions of the value of the services proposed directly influence the intentions of behavior of consumers. The results of their study posit that service quality and perceived value influence behavior loyalty indirectly through customer satisfaction.

5. Conclusion and Limitations

5.1. Conclusion

The results of this study show that the direct relationship between service quality and value of five-star hotel services on consumer behavioral intentions do not have a significant

positive effect. Although they do not have a direct effect on behavioral intention, both of these variables have an indirect effect. Mediation analysis provides support by showing that consumer satisfaction partially mediates the relationship between service quality and service value with the consumers' intentions to stay overnight. That is, quality and perceived service value are indirectly influenced by satisfaction. Questionnaires that have distributed show a majority of respondents said that their satisfaction or dissatisfaction greatly influenced behavioral intentions in deciding to stay in a five-star hotel. Satisfaction is a variable that reinforces the variable service quality and service value to get consumer behavior intentions.

5.2. Limitations

Proper hypotheses are key to generalizing the mediation model to the hotel industry. But in this study, sampling only consisted of five-star hotel guests, so the hypotheses are limited. Future research could be conducted with respondents who have experience with different types and hotel services to get broader and more complete results. Moreover, the content analysis itself also has several limitations. Therefore, a combination of content analysis and other types of analysis to get more accurate results in the future is recommended.

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