International Journal of Asian Social Science

ISSN(e): 2224-4441 ISSN(p): 2226-5139

DOI: 10.18488/journal.1.2018.88.549.559

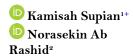
Vol. 8, No. 8, 549-559

© 2018 AESS Publications. All Rights Reserved.

URL: www.aessweb.com

THE ROLE OF SUPPLIER, TOP MANAGEMENT AND GOVERNMENT IN *HALAL* PRACTICES INTEGRITY OF MALAYSIAN FOOD BUSINESS

Check for updates



¹²Faculty of Business and Accountancy, Universiti Selangor, Jalan Zirkon A7/A, Seksyen 7, 40000 Shah Alam, Selangor, Malaysia



(+ Corresponding author)

Article History

Received: 2 May 2018 Revised: 13 June 2018 Accepted: 24 June 2018 Published: 4 July 2018

Keywords

Supplier credibility
Top management capability
Government support
Halal integrity practices
Halal food.

ABSTRACT

In the last few years, halal food industry has grown substantively and globally. It become crucial to the Muslim consumers due to its safety, hygiene and quality assurance of what is consumed and used. Muslim consumers follow the Islamic dietary law as explained clearly in Quran and Sunnah, which is called as halalan-thoyyiban, i.e. lawful or permissible, wholesome, authentic and safety. In Malaysia, the organization has to comply with MS1500:2009 in the production of halal food and to obtain halal certification. Suppliers, top management of the companies and government should play their role in ensuring the integrity of halal food. Any improper description and inappropriate preparation of halal food provide a huge impact to the demand for halal food as well as to retain the buyers' trust in consuming the halal food. Given the significant role of supplier, top management and government in the halal production over the Muslim consumers' life, this study aims to examine the role of supplier credibility, top management capability and government support in halal practices integrity of food business in Malaysia. The questionnaires distributed to the halal food manufacturers during the Malaysian halal food events and festivals. Structural Equation Modeling with Partial Least Square was used to analyze the collected data. The findings show the important role those parties in the halal food production. The results also provide a better understanding of their role in sustaining the integrity of halal food.

Contribution/ **Originality:** This study contributes in the existing literature that provides empirical evidence on the role of supplier, top management and government in the *halal* food industry. In addition, this study provides the practitioners some clear exposure on the adherence of *halal* practices integrity along the *halal* food supply chain.

1. INTRODUCTION

According to Fischer (2015) Islam has both produced and is in itself infused by a fascination with the morally proper Islamic way of life in Malaysia. This tendency embraces the consumption of *halal* goods, which have a beneficial impact on family, community and nation. An example of this could be to prefer certain locally produced and certified *halal* goods, as in the case of Darul Arqam. Darul Arqam that emerged in the wider resurgence of Islam in Malaysia starting in the 1970s with its own economic base producing variety of agricultural and petty commodity products (Saravanamuttu, 2010; Fischer, 2015). Darul Arqam's cultivation and marketing of an Islamic

vision of Malay independence and prosperity through the production of a wide range of *halal* products was of the greatest interest to the Muslims especially Malays (Fischer, 2015). Since then, *halal* products had gained high attention in Malaysia.

Today, Malaysia is still the leading global *halal* hub with more than USD11 billion for *halal* exports in 2014. Apparently, a greater purchasing power among the Muslim customers that adhere to Islamic dietary law as required by Islam to consume only those are *halal* (allowable) is the main contribution to the growth of the *halal* market. Furthermore, a boosting trend of people in opting a healthier lifestyle of which cleanliness, hygiene, sanitation, and safety of the food become the main alarmed, and it is parallel with *halal* in Islam that embraces all those elements known as *halalan-thoyyiban* as stated in the Quran:

And eat of what Allah has given you (for food) that which is lawful and wholesome, and fear Allah in whom ye believe (Al-Maida 5:88).

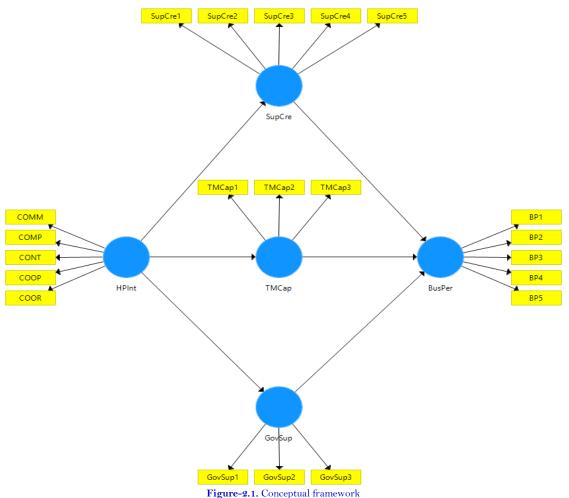
Apparently, this healthier lifestyle becomes an attention not just in the Muslim users (Ambali and Bakar, 2013) but also non-Muslim consumers (Mathew *et al.*, 2014). Growing demand in *halal* food and the healthier lifestyle from both Muslim and non-Muslim users show a significant and positive impact on the *halal* industry. Hence, there is a number of opportunity for the food manufacturers to grasp and fulfill the *halal* market by accommodating the *Shariah* requirements in their food products.

In Malaysia, sustaining the integrity of *halal* products becomes a priority for the government and the consumers (Tieman, 2013a). The Malaysian government has made various efforts to ensure the sustainability of *halal* integrity. Department of Islamic Development Malaysia (JAKIM) is the competent authority body being responsible for *halal* certification in Malaysia. However, there are still many of the *halal* food manufacturers do not comply with the rules and regulation set by the regulatory bodies in Malaysia (Suhaiza *et al.*, 2010). Furthermore, the Muslim consumers do not just only concern on its *halal* status but also curious on the whole activities involved along the supply chain. Thus, to cope with these issues, a comprehensive of *halalan-thoyyiban* food supply chain approach needs to be explored with the involvement of supplier, top management and government in providing a genuine *halal* food.

2. THEORETICAL BACKGROUND AND CONCEPTUAL FRAMEWORK

Supply chain management (SCM) become a critical topic discussed in business field and *halal* food industry such as *halal* food supply chain integrity (Hafiz *et al.*, 2014; Kamisah, 2016) *halal* food supply chain (Suhaiza *et al.*, 2010) and *halal* in SCM (Tieman, 2011). Several issues include detection of pig-DNA, an invalid *halal* logo, and non-compliance to *halal* requirement had shaken the confidence of the Muslim consumers in most of the *halal* food studies (Kamisah, 2016). Therefore, it needs to be managed properly as to provide the *halalan-thoyyiban* food products to the consumers in the competitive market.

The resource-based view (RBV) theories have been used to explain the competitive advantage or supply chain performance of firms (Pulles et al., 2016). According to Hsu et al. (2009) RBV of the firm is a particularly appropriate theoretical framework for studying the performance implications of managing the supply chains. As Barney (1991) asserted that firms build competitive advantage by utilizing unique sets of resources. Resources are heterogeneous which include all assets, processes, capabilities, and knowledge controlled by a firm. Barney (1991) also emphasized that resources enable firms to improve their effectiveness by implementing appropriate strategies. Therefore, this study proposes that halal practices integrity, supplier credibility, top management capability, and government support play distinct roles in contributing to business performance. The conceptual framework underlying the study is presented in figure 1.



Source: Rahim et al. (2010); Tieman et al. (2012); Ming et al. (2014); Morgan and Hunt (1994)

3. LITERATURE REVIEW AND HYPOTHESES DEVELOPMENT

According to Tieman (2011) halal and haram are universal terminologies that affect the ibadat or muamalat or mua'sharah of the Muslim everyday doings. Literally, halal is a Quranic word means allowed, permissible or lawful. Yusaini et al. (2016) emphasized that halal is not simply about the resources of food and beverages, the slaughter of animals, the usage of alcohol, but it is about processes and standards together with cleanliness, reliability, safety, and quality assurance. The Muslim are allowed to eat and use all foods that are pure and clean. However, foods that are contaminated from any haram items for instance pig and alcohol turn out to be prohibited and unlawful. Moreover, halal is more on values which are implied to Islamic values and obviously specified in the glorious Quran and Hadith.

Furthermore, the concept of halal in Islam has very specific motives (Maqasid al-Shariah) which includes to preserve the purity of religion; to preserve life; to protect intellect; to protect lineage/progeny/offspring; and to protect property/material wealth. Tieman (2013b) highlighted that halal is part of a product specification in the industry. Likewise, halal is not only a brand component (Wilson and Liu, 2010) it encompasses a belief practice and moral conduct that integral in a Muslim daily living. Hence, it should be regarded as a basic want and prerequisite detrimental to the well-being of the Muslim consumers especially in the issues of halal as religion might influence the devotees' life (Mukhtar and Butt, 2012). Moreover, individual character will vary in their attitudes, behavior and intentions that associated to religion (Rezai et al., 2012). Therefore, it is the role of all parties in the food supply chain to uphold and maintain the integrity of halal food.

3.1. Halal Practices Integrity

Integrity is the condition of being whole and complete and it is a vital factor to earn and maintain the trust of others (Palanski and Yammarino, 2011). Previous studies identified integrity as trust antecedents (Viitaharju and Lähdesmäki, 2012). Hassan and Khan (2012) asserted that integrity is a critical issue in the process industry, particularly in the food production. Furthermore, any issues of the *halal* food integrity should be tackled appropriately since it has a considerable effect towards health, safety and confident of the consumers (Helmi *et al.*, 2013). In addition, day-to-day activities of operational integrity which include materials, process, and logistic should also continuously be upheld (Helmi *et al.*, 2013) by the organization downstream and upstream. As the production of *halal* food needs a very thorough process throughout the supply chain in ensuring the integrity food is complied with the *Shariah* law. However, some manufacturers and suppliers did not realise the particularity in handling the *halal* food process. Furthermore, it is an obligation for Muslim consumers to substantiate that the goods they consume are *halalan-thoyyiban* as an actual manifestation of Islamic principles, and are also wholesome and healthy (Manzouri *et al.*, 2013). Thus, the *halal* practices integrity subject disembarks. Accordingly, this will intensify the importance of insightful factors in ensuring the *halal* food supply chain integrity (Hafiz *et al.*, 2014).

Halal is a credence characteristic of halal food that reflects the Muslim consumers' perception (Bonne and Verbeke, 2008). For Muslim users, trust in halal food is about the process attributes of food processing, handling, and the safety regarding food wholesomeness. Thus, establishing trust became a key approach to upholding long-term relationships among supply chain partners through continuity, trustworthiness, reputation in the eyes of business partners and consumers. Obviously, the long-term business relationship is a result of behaving like a trusted and reliable business partner and thereby satisfying the anticipations of all the stakeholders. Therefore, this study hypotheses:

H1a. Halal practices integrity has a significant relationship with supplier credibility.

H1b. Halal practices integrity has a significant relationship with top management capability.

H1c. Halal practices integrity has a significant relationship with government support.

H2. Supplier credibility, top management and government support mediate the relationship between halal practices integrity and business performance.

3.2. Supplier Credibility

Salam (2011) emphasized that supply chain partners acquire confidence through trust to yield long-term advantage. Besides, the perceived trust towards the suppliers in the supply chain gives a positive impact on the long-term buyer-supplier relationships (Mcdowell et al., 2010). According to Williamson (1975) trust development can reduce the supplier's concern on the uncertainty of the buyer's actions. It also increases confidence and willingness to provide services as required by the buyers (Mcdowell et al., 2010). It indicates the credibility of the supplier. Thus, the supplier's credibility refers to the degree of the supplier's credibility in handling halal business dealings. Subsequently, trust on suppliers plays a vital role in the halal food supply chain to guarantee the food is halalan-thoyyiban. Based on the argument, the following hypothesis is proposed:

H3. Supplier credibility has a significant relationship with business performance.

3.3. Top Management Capability

According to Albrecht (2002) top management acts as a vital role in organizational change who bear the main responsibility and accountability for designing and managing organizational change. In addition, the managers perceive mutual trust among their supply chain partners are more likely to commit to a partnership (Salam, 2011). Furthermore, trust among managers can be influenced by careful evaluation of potential partners in the *halal* food production through high-quality cooperation and communication at supply chain (On *et al.*, 2013). Top management capability can be defined as senior executives' capability and concerned about the needs of the *halal* business. Hence,

it is important in sustaining the effectiveness of organizations and the relationships among the supply chain partners through trust towards the top management and proposes the following hypothesis:

H4. Top management capability has a significant relationship with business performance.

3.4. Government Support

According to Chen (2013) the inter-firm trust is more reliably shaped when institutions, for example, legal regulations and industry associations are strong and consistent. Government authorities serve to legitimise norms and standards in ensuring the food safety (Chen, 2013). Besides, the government gained a moderate degree of trust and seen as knowledgeable, concerned about citizens health and releasing relatively accurate information about food safety (Liu et al., 2014). Moreover, the consumers' trust in government will lead to severe underestimation of its impacts on consumers' acceptance of the products (Qiu et al., 2012). Eventually, the government's role in ensuring halal food supply chain integrity is very significant which include planning, developing, implementing, regulating, promoting, and educating the Muslim consumers and the halal industrial players in the halal market (Hafiz et al., 2014). Thus, government support is the degree of the government's support in assisting and protecting the quality and safety of the halal products along the supply chain. It is proposed:

H5. Government support has a significant relationship with business performance.

4. RESEARCH METHODOLOGY

The unit of analysis of this study is at the organizational level, which focused on the management level. Respondents of this study are *halal* manufacturers who attended the Malaysian International *Halal* Showcase (MIHAS) 2016, Penang International *Halal* Expo & Conference (PIHEC), and Fantastic Malaya Food Festivals (FMFF) 2016, from January to March 2016. The aim of this study is to seek information on the role of suppliers, top management and government support in the *halal* food industry. Even though there are other sectors in the *halal* industry, this sector was selected due to an increasing issues of non-compliance to the *Shariah* requirements domestically as well as internationally. As there was a list of exhibitors, a purposive sampling method was used in this study.

4.1. Data Collection

The questionnaires were distributed among 300 selected *halal* manufacturers. As this study only focuses on food companies which are operating in Malaysia, all international participants were excluded from the survey. The process of distributing and collecting of questionnaires was carried out in two to three days. Out of the 300 questionnaires distributed, 253 of them were collected, but due to poor quality of data, only 212 of them could be used for data analysis purposes. As the respondents were limited to the management level only, another 47 exhibitors were reluctant to respond due to their busy schedules.

4.2. Data Analysis

The partial least squares structural equation modeling (PLS-SEM) approach was used to test the model developed in this study. PLS-SEM has gained widespread interest as a method of analysis in the past few years that offer novel perspectives on the method (Hair et al., 2017). PLS-SEM is a second-generation multivariate technique which many researchers have employed this technique for the past 20 years with the aim of minimizing the measurement error (Hair et al., 2017). The bootstrapping procedure with 500 resamples follows the procedure mentioned by Urbach and Ahlemann (2010) to determine the significant level of loadings, weight and path coefficients.

4.3. Assessment of Goodness of Measure

The seven-point Likert scale was used to measure variable items. This approach is to avoid the common method variance before data analysis, as suggested by Podsakoff *et al.* (2003). Because there is a lack of literature in the *halal* supply chain field, most of the instruments were adapted from the integrity and trust study and were modified to fit the current study. The newly developed instruments were used to measure suppliers' credibility based on Svensson (2001) top management capability from Mayer *et al.* (1995) and government support from Chen (2013). Table 1 introduces all the constructs along with their definitions, sources and the number of items used in this study.

Table-4.1. Properties of the measurement items

Construct	Definition	Source	No. of items
Suppliers'	The degree of the supplier's credibility in handling	Svensson (2001)	5
Credibility	halal business dealings.		
Top Management	Senior executives' capability and concerned about the	Mayer <i>et al.</i> (1995)	3
Capability	needs of the <i>halal</i> business.		
Government	The degree of the government's support in assisting	Chen (2013)	3
Support	and protecting the quality and safety of the halal		
	products.		
Halal Practices	Having assurance and reliability of halal food that is	Liu et al. (2013); Rahim et al.	5
Integrity	produced and consumed by the consumers, starting	(2010); Mahama (2006); Carr	
	from the farm to the table, throughout the entire	and Kaynak (2007)	
	cycle of its processes and chain while protecting		
	health and safety.		
Business	Business performance includes supply chain	Panayides and Venus (2009);	5
Performance	performance, financial performance, and customer	Green et al. (2008); Yu et al.	
	satisfaction.	(2013)	

Source: Svensson (2001); Mayer et al. (1995); Chen (2013); Liu et al. (2013); Rahim et al. (2010); Mahama (2006); Carr and Kaynak (2007); Panayides and Venus (2009); Green et al. (2008); Yu et al. (2013).

4.4. Convergent Validity

Hair et al. (2017) defined the convergent validity as the extent to which a measure correlates positively with alternative measures of the same construct. Following the suggestions of Hair et al. (2017) the factor loadings, composite reliability (CR) and average variance extracted (AVE) were used to measure convergent validity.

Table-4.2. Results of measurement model

Model construct	Measurement item	Loading	CR	AVE
Suppliers' Credibility (SupCre)	SupCre1	0.808	0.910	0.669
	SupCre2	0.787		
	SupCre3	0.824		
	SupCre4	0.841		
	SupCre5	0.828		
Top Management Capability (TMCap)	TMCap1	0.747	0.915	0.782
	TMCap2	0.780		
	TMCap3	0.736		
Government Support (GovSup)	GovSup1	0.885	0.927	0.808
	GovSup2	0.874		
	GovSup3	0.895		
Halal Practices Integrity (HPInt)	COMM	0.783	0.880	0.596
	COMP	0.642		
	CONT	0.818		
	COOP	0.830		
	COOR	0.773		
Business Performance (BP)	BP1	0.528	0.862	0.560
	BP2	0.763		
	BP3	0.798		
	BP4	0.846		
	BP5	0.766		
Notes: CR = composite reliability; AVE	= average variance ext	racted		

Source: Survey data

Hair et al. (2017) recommended the cut-off value for loading should exceed 0.5, and the CR should be greater than 0.7. As shown in Table 2, the loadings for all items are in the range of 0.560-0.808, and all of them are above the recommended value by Hair et al. (2017). Table 2 also shows CR values, which portray the degree to which the construct indicators denote the latent construct, range from 0.862 to 0.927, which is higher than the recommended value of 0.7 by Hair et al. (2017). Hair et al. (2017) recommended the cut-off value for AVE should also be 0.5. AVE is the last measurement, which measures the variance captured by the indicators relative to measurement error, and the cut-off value should exceed 0.5 to justify using a construct (Barclay et al., 1995). Table 2 justifies that all value for loadings, CRs and AVEs are above the recommended values to be confirmed, as the measurement model has a convergent validity.

4.5. Discriminant Validity

To assess the discriminant validity, Fornell and Larcker (1981) criterion was employed after confirming the convergent validity. Discriminant validity measures distinct concepts that is the extent to which items differentiate among constructs. The Fornell and Larcker (1981) criterion for discriminant validity measurement can be measured by investigating the correlations between the measures of the potential overlapping constructs. Items in the model should load higher on their own constructs. According to Compeau *et al.* (1999) the average variance shared between each construct and its measures should be greater than the variance shared between the construct and other constructs as represented in Table 3. Table 3 indicates adequate discriminant validity where the square correlations for each construct are lower than the AVE by the indicators measuring constructs.

Model construct **Business** Government Halal Suppliers' Top Management Performance Support **Practices** Credibility Capability Integrity **Business Performance** 0.749 Government Support 0.5050.899 Practices Halal 0.531 0.5440.772 Integrity Suppliers' Credibility 0.553 0.568 0.683 0.818 0.594 Top Management 0.616 0.615 0.659 0.885 Capability

Table-4.3. Discriminant validity

Note: Diagonals (in bold) represent the square root of the AVE and the off diagonals represent the correlations

5. ANALYSIS RESULT

Initially, the squared multiple correlations (R^2) for each endogenous latent variable were assessed and the significance of the structural paths was analyzed in assessing the PLS model. If the corresponding path coefficients had the proposed sign and were significant, it is considered to be supported the proposed relationships. R^2 results denote the amount of variance in the construct that is explained by the model (Chin, 2010). R^2 measures the explained variance of the dependent variable relative to its total variance. Values of approximately 0.350 are considered substantial, values around 0.333 moderate, and values of approximately 0.190 weak (Chin, 2010). Besides that, the path estimates and t-statistics were calculated by using a bootstrapping technique with a re-sampling of 500 for the hypothesised relationships in this study.

Table 4 shows the structural model analysis and clearly indicates that all hypotheses were supported and significant at p < 0.05. From the analysis, it was found that HPInt (β = 0.745, p < 0.05) was positively related to SupCre. SupCre (β = 0.219, p < 0.05) was positively related to business performance. This study was also obtained that HPInt (β = 0.594, p < 0.05) was positively related to TMCap. TMCap (β = 0.382, p < 0.05) was positively related to business performance. The findings also depicted that HPInt (β = 0.544, p < 0.05) was positively related to GovSup. GovSup (β = 0.146, p < 0.05) was positively related to business performance.

In addition to the effects of the paths, Hair *et al.* (2014) recommended to examine significant indirect effects, as well as direct effects, to gain insight into possible mediating effects of particular latent variables. This study tested the mediating effect of supplier credibility, top management capability and government support in the HPInt-to-BP relationship. This study used the bootstrapping procedure which has been suggested in the literature to examine the indirect effect, and the results display that the indirect effect ($\beta = 0.455$, p < 0.05) was significant, indicating that there was a mediating effect. Hence, *halal* practices integrity achieved a higher rate of business performance through supplier credibility, top management capability and government support.

6. FINDINGS AND DISCUSSIONS

The purpose of this study is to identify the role of supplier, top management and government in the Malaysian food business. The literature shows that the role of supplier, top management and government support have a positive effect on the firms' business performance and supported by the findings of this study. The results of this study found that HPInt has a significant relationship with SupCre, TMCap and GovSup; thus, H1a, H1b and H1c were supported. This study also examined the effect of SupCre, TMCap and GovSup as mediating variables in the relationship between HPInt and business performance; thus, H2 was supported. The significant relationship between HPInt and SupCre, TMCap as well as GovSup shows that halal food manufacturers in Malaysia are able to increase their business performance by having a good relationship with all supply chain partners through trust. Furthermore, trust between supply chain partners is vital factors in halal food productions that must be given serious attention by halal food manufacturers in ensuring the needs and well-being of the halal food consumers are fulfilled and well protected (Hafiz et al., 2014). The relationship between SupCre, TMCap, GovSup and business performance were significant, and thereby, H3, H4 and H5 were supported. Involvement of top management, supplier credibility, and government support have a significant influence on business and these findings are supported by previous studies by Qiu et al. (2012) and Wai et al. (2013).

Table-6.1. Path coefficient and hypothesis testing

Hypothesis	Relationship	Beta	Standard error	t-value	Decision		
H1a	HPInt → SupCre	0.683	0.045	15.287*	Supported		
H1b	HPInt → TMCap	0.594	0.053	11.256*	Supported		
H1c	HPInt → GovSup	0.544	0.054	10.030*	Supported		
H2	$HPInt \rightarrow SupCre \rightarrow BP$	0.455	0.049	9.352*	Supported		
	$HPInt \rightarrow TMCap \rightarrow BP$						
	$HPInt \rightarrow GovSup \rightarrow BP$						
H3	SupCre → P	0.219	0.070	3.108*	Supported		
H4	TMCap → BP	0.382	0.069	5.513*	Supported		
H5	GovSup → BP	0.146	0.071	2.048*	Supported		
Note: *p < 0.05							

Source: Survey data

7. CONCLUSION

The halal supply chain is a process and it has to be really halal at the point of origin of the supply chain until it be consumed. This study is an early attempt to explore and develop the halal practices integrity model that was theoretically grounded in the halal supply chain framework. This study has shown that all the four contexts in the framework, which are halal practices integrity, supplier credibility, top management capability and government support, have a significant relationship to the business performance. In addition, the findings of this study would contribute to the body of knowledge regarding the adoption study. The results of this study revealed that halal practices integrity, supplier credibility, top management capability and government support were positively related to the business performance. Despite investigating only four variables, these findings have important implications for and great value to the halal food manufacturers, government agencies and also for academicians. The results of

International Journal of Asian Social Science, 2018, 8(8): 549-559

this study are beneficial to the *halal* food manufacturers, especially in sustaining the *halal* integrity, as it has the largest impact on this study. Suppliers or top management and government agencies who are responsible for promoting *halal* in Malaysia should be more aggressive, as the availability of *halal* food in the market are facing many challenges to compete. Instead of enforcing the manufacturers to follow standards provided by JAKIM to be awarded the *halal* logo, the government could enforce them to meet the *halal* requirements not only on the preproduction and during production processes, but also on the entire supply chain activities. Finally, as there is limited literature regarding the *halal* practices integrity, academicians could embark on these findings to expand further in this area of study. Future research could be conducted more by analyzing the *halal* supply chain in other areas of the *halal* supply chain, such as cosmetics and pharmaceutical. As this study focuses on the food manufacturers, it would be an excellent idea if a new study could be based different types of industries. Future research could also investigate the factors driving of *halal* practices integrity for *halal* supply chain industries.

Funding: The authors are thankful to Universiti Selangor for providing financial support for this research. Competing Interests: The authors declare that they have no competing interests. Contributors/Acknowledgement: Both authors contributed equally to the conception and design of the study.

REFERENCES

- Albrecht, S.L., 2002. Perceptions of integrity, competence and trust in senior management as determinants of cynicism toward change. Public Administration & Management: An Interactive Journal, 7(4): 320–343. View at Google Scholar
- Ambali, A.R. and A.N. Bakar, 2013. Halāl food and products in Malaysia: People's awareness and policy implications. Intellectual Discourse, 21(1): 7–32. View at Google Scholar
- Barclay, D., C. Higgins and R. Thompson, 1995. The partial least squares (PLS) approach to causal modeling: Personal computer adoption and use as an illustration. Technology Studies, 2(2): 285–309. View at Google Scholar
- Barney, J., 1991. Firm resources and sustained competitive advantage. Journal of Management, 17(1): 99–120. View at Google

 Scholar | View at Publisher
- Bonne, K. and W. Verbeke, 2008. Muslim consumer trust in halal meat status and control in Belgium. Meat Science, 79(1): 113–123. View at Google Scholar | View at Publisher
- Carr, A.S. and H. Kaynak, 2007. Communication methods, information sharing, supplier development and performance: An empirical study of their relationships. International Journal of Operations & Production Management, 27(4): 346–370.

 View at Google Scholar | View at Publisher
- Chen, W., 2013. The effects of different types of trust on consumer perceptions of food safety: An empirical study of consumers in Beijing Municipality, China. China Agricultural Economic Review, 5(1): 43-65. View at Google Scholar | View at Publisher
- Chin, W.W., 2010. How to write up and report PLS analyses. In V. Esposito Vinzi, W. W. Chin, J. Henseler, & H. Wang (Eds.),
 Handbook of partial least squares: Concepts, methods and applications in marketing and related fields. Berlin:
 Springer. pp: 655–690.
- Compeau, D., C.A. Higgins and S. Huff, 1999. Social cognitive theory and individual reactions to computing technology: A longitudinal-study. MIS Quarterly, 23(2): 145-158. View at Google Scholar | View at Publisher
- Fischer, J., 2015. Muslim consumption and anti-consumption in Malaysia. Journal of Islamic Research, 9(2): 68-87.
- Fornell, C. and D.F. Larcker, 1981. Evaluating structural equation models with unobservable variables and measurement errors.

 Journal of Marketing Research, 18(1): 39–50. View at Google Scholar | View at Publisher
- Green, J.K.W., D. Whitten and R.A. Inman, 2008. The impact of logistics performance on organizational performance in a supply chain context. Supply Chain Management: An International Journal, 13(4): 317–327. View at Google Scholar | View at Publisher
- Hafiz, M.Z., M.A. Marhani and S.A.T. Mohamed, 2014. Conceptual framework on halal food supply chain integrity enhancement. Procedia Social and Behavioral Sciences, 121: 58–67. View at Google Scholar | View at Publisher

- Hair, J.J.F., G.T.M. Hult, C.M. Ringle and M. Sarstedt, 2017. A primer on partial least squares structural equation modeling. 2nd Edn., Thousand Oaks, CA.: SAGE Publication, Inc.
- Hair, J.J.F., M. Sarstedt, L. Hopkins and V.G. Kuppelwieser, 2014. Partial least squares structural equation modeling (PLS-SEM): An emerging tool in business research. European Business Review, 26(2): 106-121. View at Google Scholar | View at Publisher
- Hassan, J. and F. Khan, 2012. Risk-based asset integrity indicators. Journal of Loss Prevention in the Process Industries, 25(3): 544-554. View at Google Scholar | View at Publisher
- Helmi, M.A., K.H. Tan and M.M. Zafir, 2013. Mitigating halal food integrity risk through supply chain integration. In Asia Pacific Industrial Engineering and Management System, 44: 1–9.
- Hsu, C.C., K.C. Tan, V.R. Kannan and L.G. Keong, 2009. Supply chain management practices as a mediator of the relationship between operations capability and firm performance. International Journal of Production Research, 47(3): 835–855.

 View at Google Scholar | View at Publisher
- Kamisah, S., 2016. Enhancing halal practices integrity in the Malaysian halal food industry. Australian Journal of Basic and Applied Sciences,, 10(11): 221–227.
- Liu, H., W. Ke, W.K. Kee and Z. Hua, 2013. Effects of supply chain integration and market orientation on firm performance:

 Evidence from China. International Journal of Operations & Production Management, 33(3): 322–346. View at Google

 Scholar
- Liu, R., Z. Pieniak and W. Verbeke, 2014. Food-related hazards in China: Consumers' perceptions of risk and trust in information sources. Food Control, 46: 291-298. View at Google Scholar | View at Publisher
- Mahama, H., 2006. Management control systems, cooperation and performance in strategic supply relationships: A survey in the mines. Management Accounting Research, 17(3): 315–339. View at Google Scholar | View at Publisher
- Manzouri, M., A.R. Mohd Nizam, S. Nizaroyani and R.C.M.Z. Che, 2013. Lean supply chain practices in the halal food. International Journal of Lean Six Sigma, 4(4): 389–408. View at Google Scholar
- Mathew, V.N., A.M.R.B.A. Abdullah and S.N.B.M. Ismail, 2014. Acceptance on halal food among non-muslim consumers.

 Procedia Social and Behavioral Sciences, 121: 262–271. View at Google Scholar | View at Publisher
- Mayer, R.C., J.H. Davis and F.D. Schoorman, 1995. An integrative model of organizational trust. Academy of Management Review, 20(3): 709–734. View at Google Scholar | View at Publisher
- Mcdowell, W.C., M.L. Harris and S.G. Gibson, 2010. The impact of trust and dependency on business performance: A study of SME suppliers. Small Business Institute Journal, 6(October): 41–62. View at Google Scholar
- Ming, Y., B. Grabot and R. Houé, 2014. A typology of the situations of cooperation in supply chains. Computers and Industrial Engineering, 67(1): 56–71 View at Google Scholar | View at Publisher.
- Morgan, R.M. and S.D. Hunt, 1994. Theory of relationship marketing. Journal of Marketing, 58(3): 20–38. View at Google Scholar | View at Publisher
- Mukhtar, A. and M.M. Butt, 2012. Intention to choose halal products: The role of religiosity. Journal of Islamic Marketing, 3(2): 108–120. View at Google Scholar | View at Publisher
- On, L.W., X. Liang, R. Priem and M. Shaffer, 2013. Top management team trust, behavioral integration and the performance of international joint ventures. Journal of Asia Business Studies, 7(2): 99–122. View at Google Scholar | View at Publisher
- Palanski, M.E. and F.J. Yammarino, 2011. Impact of behavioral integrity on follower job performance: A three-study examination. Leadership Quarterly, 22(4): 765–786. View at Google Scholar | View at Publisher
- Panayides, P.M. and L.Y.H. Venus, 2009. The impact of trust on innovativeness and supply chain performance. International Journal of Production Economics, 122(1): 35–46. View at Google Scholar | View at Publisher
- Podsakoff, P.M., S.B. MacKenzie, J.Y. Lee and N.P. Podsakoff, 2003. Common method biases in behavioral research: A critical review of the literature and recommended remedies. Journal of Applied Psychology, 88(5): 879–903. View at Google Scholar | View at Publisher

International Journal of Asian Social Science, 2018, 8(8): 549-559

- Pulles, N.J., J. Veldman and H. Schiele, 2016. Winning the competition for supplier resources. International Journal of Operations & Production Management, 36(11): 1458–1481. View at Google Scholar | View at Publisher
- Qiu, H., J. Huang, C. Pray and S. Rozelle, 2012. Consumers' trust in government and their attitudes towards genetically modified food: Empirical evidence from China. Journal of Chinese Economic and Business Studies, 10(1): 67-87. View at Google Scholar | View at Publisher
- Rahim, Y., I. Refsdal and R.S. Kenett, 2010. The 5C model: A new approach to asset integrity management. International Journal of Pressure Vessels and Piping, 87(2-3): 88-93. View at Google Scholar | View at Publisher
- Rezai, G., Z. Mohamed and M.N. Shamsudin, 2012. Non-muslim consumers' understanding of Halal principles in Malaysia.

 Journal of Islamic Marketing, 3(1): 35–46. View at Google Scholar | View at Publisher
- Salam, M.A., 2011. Supply chain commitment and business process integration: The implications of Confucian dynamism. European Journal of Marketing, 45(3): 358-382. View at Google Scholar | View at Publisher
- Saravanamuttu, J., 2010. Islam and politics in Southeast Asia. New York: Routledge.
- Suhaiza, H.M.Z., A.A. Zainal, A.W. Nabsiah, O. Rosly and Y. Fernando, 2010. Recommendations to strengthen Halal food supply chain for food industry in Malaysia. Journal of Agribusiness Marketing, Special ed: 91–105.
- Svensson, G., 2001. Perceived trust towards suppliers and customers in supply chains of the Swedish automotive industry.

 International Journal of Physical Distribution & Logistics Management, 31(9): 647–662. View at Google Scholar | View at Publisher
- Tieman, M., 2011. The application of halal in supply chain management: In-depth interviews. Journal of Islamic Marketing, 2(2): 186–195. View at Google Scholar | View at Publisher
- Tieman, M., 2013a. Establishing the principles in halal logistics. Journal of Emerging Economies and Islamic Research, 1(1): 1-
- Tieman, M., 2013b. Principles in halal purchasing. Journal of Islamic Marketing, 4(3): 281-293.
- Tieman, M., J.G. van der Vorst and M.C. Ghazali, 2012. Principles in halal supply chain management. Journal of Islamic Marketing, 3(3): 217-243. View at Google Scholar | View at Publisher
- Urbach, N. and F. Ahlemann, 2010. Structural equation modeling in information systems research using partial least squares structural equation. Journal of Information Technology Theory and Application, 11(2): 5-40. View at Google Scholar
- Viitaharju, L. and M. Lähdesmäki, 2012. Antecedents of trust in asymmetrical business relationships: Differing perceptions between food producers and retailers. Marketing Intelligence & Planning, 30(5): 567–587. View at Google Scholar | View at Publisher
- Wai, O.L., X. Liang, R. Priem and M. Shaffer, 2013. Top management team trust, behavioral integration and the performance of international joint ventures. Journal of Asia Business Studies, 7(2): 99–122. View at Google Scholar | View at Publisher
- Williamson, O.E., 1975. Markets and hierarchies: Analysis and antitrust implications. New York: Free Press.
- Wilson, J.A.J. and J. Liu, 2010. Shaping the halal into a brand. Journal of Islamic Marketing, 1(2): 107–123. View at Google Scholar | View at Publisher
- Yu, W., M.A. Jacobs, W.D. Salisbury and H. Enns, 2013. The effects of supply chain integration on customer satisfaction and financial performance: An organizational learning perspective. International Journal of Production Economics, 146(1): 346–358. View at Google Scholar | View at Publisher
- Yusaini, H.M., A.R. Abd Rahman, M. Azanizawati and G.H. Mohd, 2016. Halal traceability in enhancing halal integrity for food industry in Malaysia a review. International Research Journal of Engineering and Technology, 3(8): 68–74. View at Google Scholar

Views and opinions expressed in this article are the views and opinions of the author(s), International Journal of Asian Social Science shall not be responsible or answerable for any loss, damage or liability etc. caused in relation to/arising out of the use of the content.