

February 15<sup>th</sup>, 2020

FIRST SUBMISSION  
CURRENT ISSUES IN TOURISM

(SJR Q1)

# Muslim Tourists' Purchase Intention of Halal Food in Spain

## Abstract—

This quantitative study aims to observe the purchase intention of halal food products in Spain from the perspective of Muslim tourists. 500 Muslim respondents who have visited Spain participated in answering our research questionnaire. The data were analyzed using the partial least squares structural equation modelling (PLS-SEM) in the SmartPLS 3.0 software. Our result shows that both the halal credence and the need for cognition have no direct effects on halal purchase intention. However, halal consumers' attitude acts as significant mediators in the indirect effects of both halal credence and the need for cognition on halal purchase intention.

*Keywords—Halal Tourism, Halal Purchase Intention, Halal Consumer Behaviour, Spanish Market, Structural Equation Model*

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## Introduction

Business policymakers have acknowledged halal tourism as a potential market while academic scholars have integrated it as a part of business literature (Al-Ansi, et al., 2019). We decided to focus this study specifically in Spain because it is one of the few countries that planned and develop halal concepts seriously--alongside New Zealand, Australia, South Korea, and Japan (Al-Ansi et al., 2019). Spain also has a long history of Islamic influence during the Moors' reign for over nine centuries since 800 A.D. until the 17th century (Mesa, 2012). According to recent data by the Union of Islamic Communities in Spain (UCIDE), the country is still home to around 1.9 Muslims to this day.

A study by Vargas-Sánchez and Moral-Moral (2019) has become a decent pathfinder in exploring halal tourism in Spain. Still, there is a clear gap in the literature, especially in the discussion of how halal food purchase

intention affects the travel experience of Muslim tourists' (Bashir et al., 2018). Therefore, we formulate these research hypotheses, which are visually presented in figure 1.

*H1 – Halal credence has a positive effect on halal consumers' attitude*

*H2 – Halal credence has a positive effect on halal purchase intention*

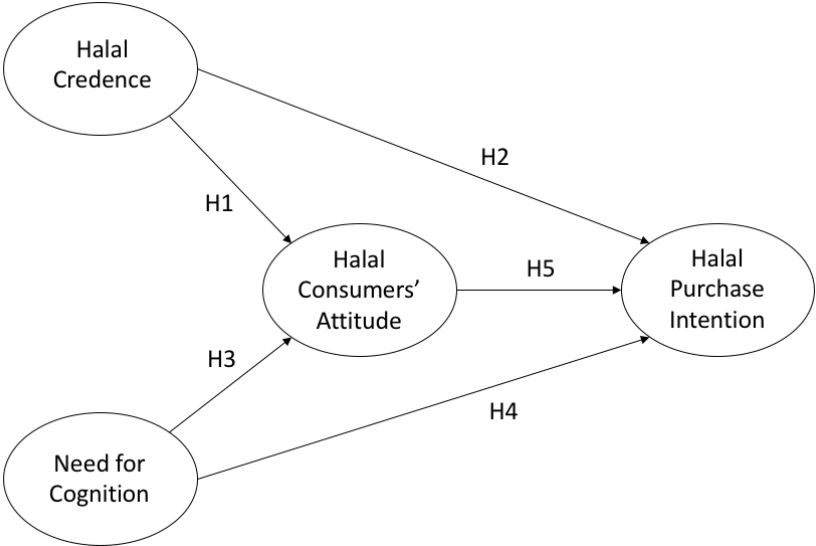
*H3 – Need for cognition (NFC) has a positive effect on halal consumers' attitude*

*H4 – NFC has a positive effect on halal purchase intention.*

*H5 – halal consumers' attitude has a positive effect on halal purchase intention*

*H6 – Halal consumers' attitude acts as a mediator in the relationship between halal credence and halal purchase intention*

*H7 – Halal consumers' attitude acts as a mediator in the relationship between NFC and halal purchase intention.*



**Figure 1: Research Model**

The respondents of this research were 500 Muslims who have visited Spain at least once. They were invited to answer our questionnaire--which was distributed using email and mobile chat applications (WhatsApp and Telegram). The profiles of these respondents can be seen in Table 1.

### **Table 1: Respondents' Profiles**

The measures contain five constructs which were generated from prior studies: halal credence (3 items from Verbeke et al. (2013)), halal consumers' attitude (4 indicators from Bashir et al. (2018)); and Garg and Joshi (2018)), need for cognition (3 indicators from Cacioppo and Petty (1982); and Wibowo and Ahmad (2015)), and purchase intention (3 indicators from Garg and Joshi (2018)).

We evaluated the items' validity according to the procedures suggested by Hair Jr. et al. (2014). Cronbach's alpha is required to indicate a minimum value of 0.7 to be an acceptable reliability coefficient (Nunnally and Bernstein, 1994). Furthermore, the composed reliability coefficient has to be at least a value of 0.7 (Anderson and Gerbing, 1992) and the average variance extracted (AVE) has to be at least a value of 0.5 (Fornell and Larcker, 1981). The results of the confirmatory factor analysis (CFA) are shown in Table 3.

### **Table 2: Construct Validity (CFA Result)**

The CR and AVE values were higher than the recommended values of 0.50 and 0.70, respectively. We retained all items which factor loadings were greater than the recommended value of 0.60 (Hair Jr. et al., 2014).

## **Result and Discussion**

We analysed the relationships between constructs using the structural equation modelling (SEM). The partial least squares (PLS) approach was selected because of its small size requirements and the exploratory nature of the research (Ringle et al., 2015). For the software analysis, we used SmartPLS 3.0. We also used the bootstrapping technique to review the significance levels of the predicted relationships. Each indicator's p-value was also examined and to find out the significance of the coefficient (Ringle et al., 2015). Table 3 summarizes the path coefficients and their p-values.

### **Table 3: Hypothesis testing**

Table 3 shows that there is a significant positive effect of attitude on purchase intention ( $\beta_1=0.996$ ,  $p\text{-value}<0.005$ ). Therefore, H1 is supported. There is also a significant positive and direct effect of halal credence on the attitude ( $\beta_2=0.689$ ,  $p\text{-value}<0.005$ ). Therefore, H2 is also supported. However, the result of the halal credence's effect on purchase intention ( $\beta_3=0.052$ ,  $p\text{-value}>0.005$ ) does not acknowledge the significance of halal credence on purchase intention. Therefore, H3 is not supported.

When discussing the effect of NFC on the attitude on halal purchase intention, we also concluded similar interpretations. There is a significant positive and direct effect of NFC on the attitude ( $\beta_4=0.245$ ,  $p\text{-value}<0.005$ ). Therefore, H4 is supported. However, the result of the NFC's effect on purchase intention ( $\beta_5=0.054$ ,  $p\text{-value}>0.005$ ) does not acknowledge the significance of halal credence on purchase intention. Therefore, H5 is not supported.

From table 4, we can see that both halal credence and NFC have no direct significant relationship with halal purchase intention. However, both have an indirect significant relationship with halal purchase intention through the halal consumers' attitude as a mediating variable. Both p-values of H6 and H7 are significant (below the threshold of 0.005). This means that both indirect effects are significant (Baron & Kenny, 1986).

## **Table 4: Mediation Effects**

### **Conclusion**

We found that our hypothesis, which predicts that halal credence has a positive impact on halal purchase intention, was not supported. We argue that this result is caused by the aspect of credence which still has not fully convinced the Muslim tourists visiting Spain. The lack of knowledge about industrial halal quality coordination in Spain might also be a cause. Another unsupported hypothesis is the effect of need for cognition (NFC) on halal purchase intention. The possible reason behind this is because this construct has not been used frequently in such a specific topic, as well as with a specific choice of respondents.

The rest of the direct effects of our hypotheses were supported. Halal consumers' attitude indeed does have a positive effect on purchase intention. This result corresponds with several previous research (Abd Rahman et al., 2015; Garg and Joshi, 2018). Halal consumers' attitude also has a direct effect from both halal credence and NFC. We also proved that halal consumers' attitude has a central role in relationships with other constructs. It mediates the relationship between halal credence and halal purchase intention, as well as the relationship between NFC and halal purchase intention.

We suggest to expand this study into a longitudinal study that can be conducted in other European countries. We believe future research should also differentiate between halal food products that are local-made or those which are imported from different countries. This can give more useful insights to food industry players.

### **References**



May 19<sup>th</sup>, 2020

REVIEW & EDITOR'S RESPONSE  
CURRENT ISSUES IN TOURISM

(SJR Q1)





MAHIR PRADANA &lt;mahirpradana@telkomuniversity.ac.id&gt;

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**Current Issues in Tourism - Decision on Manuscript ID CIT-6500**

2 messages

**Current Issues in Tourism** <onbehalf@manuscriptcentral.com>

Tue, May 19, 2020 at 9:02 PM

Reply-To: RCIT-peerreview@journals.tandf.co.uk

To: mahirpradana@telkomuniversity.ac.id

Dear MAHIR,

Manuscript ID CIT-6500 entitled "Muslim Tourists' Purchase intention of Halal food in Spain" which you submitted to Current Issues in Tourism, has been refereed. The comments of the referee(s) are included at the bottom of this email.

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**MAHIR PRADANA** <mahirpradana@telkomuniversity.ac.id>  
To: Pradana Mahir <mahir.pradana@gmail.com>

Mon, May 25, 2020 at 11:45 PM


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**Muslim Tourists' Purchase intention of Halal food in Spain**

Journal:	<i>Current Issues in Tourism</i>
Manuscript ID	CIT-6500
Manuscript Type:	Research Letter
Keywords:	halal tourism, religious tourism, behavioural intentions
Abstract:	This quantitative study aims to observe purchase intention of halal food product in Spain from the perspective of Muslim tourists. 500 Muslim respondents who have visited Spain participated in answering our research questionnaire. The data were analyzed using partial least squares structural equation modeling (PLS-SEM) in SmartPLS 3.0 software. Our result shows that both halal credence and need for cognition have no direct effects between on halal purchase intention, but halal consumers' attitude acts as significant mediators in the indirect effects of both halal credence and need for cognition on halal purchase intention.

# Muslim Tourists' Purchase intention of Halal food in Spain

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## Abstract—

This quantitative study aims to observe purchase intention of halal food product in Spain from the perspective of Muslim tourists. 500 Muslim respondents who have visited Spain participated in answering our research questionnaire. The data were analyzed using partial least squares structural equation modeling (PLS-SEM) in SmartPLS 3.0 software. Our result shows that both halal credence and need for cognition have no direct effects between on halal purchase intention, but halal consumers' attitude acts as significant mediators in the indirect effects of both halal credence and need for cognition on halal purchase intention.

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Business policymakers have acknowledged halal tourism as a potential market, while academic scholars have integrated it as a part of business literature (Al-Ansi, et al., 2019). We decided to focus this study in Spain because it is one of the countries which seriously plan and develop halal concepts next to New Zealand, Australia, South Korea, and Japan (Al-Ansi et al., 2019). Spain also has a long history of Islamic influence during the Moors' reign for over nine centuries since 800 A.D. until the 17th century (Mesa, 2012). Nowadays, the country is still a home for around 1.9 Muslims, according to the data by Union of Islamic Communities in Spain (UCIDE).

A study by Vargas-Sánchez and Moral-Moral (2019) becomes a decent pathfinder in exploring halal tourism in Spain. Still, there is a clear gap in the literature especially in the discussion of how halal food purchase intention affects Muslim tourists' travel experience (Bashir et al., 2018). Therefore, we formulate these research hypotheses, which are visually presented by figure 1.

*H1 – halal credence has a positive effect on consumers' halal consumers' attitude food*

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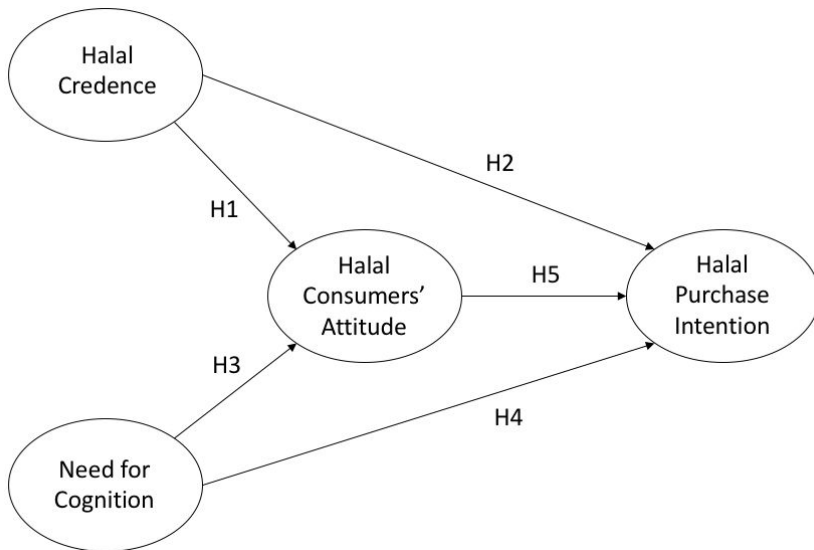
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**Figure 1: Research Model**

## Research Methodology

The respondents of this research were 500 Muslims who have visited Spain at least once. They were invited to answer our questionnaire, which was distributed using email and mobile chat applications (WhatsApp and Telegram). The profiles of the respondents can be seen in Table 1.

**Table 1: Respondents' Profiles**

Variables	Categories	Frequency	Percentage
Gender	Men	262	52.4
	Women	238	47.6
	TOTAL	500	100.0
Age	< 26 years old	62	32.9
	26 - 35 years old	86	36.4
	36 - 45 years old	82	30.7
	TOTAL	500	100.0

Marriage Status	Married	216	43.2
	Not Married	284	56.8
	TOTAL	500	100.0
Part of Spain they visited	Catalunya	183	36.6
	Madrid	89	17.8
	Andalucia	83	16.6
	Valencia	15	0.3
	Others	130	26.0
	TOTAL	500	100.0

The measures contain five constructs which were generated from prior studies: halal credence (3 items, from Verbeke et al. (2013)), halal consumers' attitude (4 indicators, from Bashir et al. (2018) and Garg and Joshi (2018)), need for cognition (3 indicators, from Cacioppo and Petty (1982) and Wibowo and Ahmad (2015)), and purchase intention (3 indicators, from Garg and Joshi (2018)).

We evaluated the items' validity according to the procedures suggested by Hair Jr. et al. (2014). Cronbach's alpha has to indicate minimum value of 0.7 to be an acceptable reliability coefficient (Nunnally and Bernstein, 1994). Furthermore, the composed reliability coefficient has to be greater than 0.7 (Anderson and Gerbing, 1992) and the average variance extracted (AVE) has to be greater than 0.5 (Fornell and Larcker, 1981). The results of confirmatory factor analysis (CFA) are shown in Table 3.

**Table 2: Construct Validity (CFA Result)**

	<i>Items</i>	<i>CR</i>	<i>HA</i>	<i>NC</i>	<i>HP</i>
CR	I will choose halal products because I am sure that it has been produced according to Islamic method	0.589*			
	Halal label makes me feel safe to consume the product	0.886			
	I prefer halal products because it is free from residues	0.855			
HA	The existence of a halal label in the packaging of food products is important		0.920		
	I will choose a product based on whether there is a halal label		0.361*		

	Halal label makes me feel safe to consume the product		0.918		
	I always look for the Halal Label on the product packaging before buying any products or goods		0.933		
NC	My decision to consume halal food comes after going through some process of thinking			0.689	
	I prefer halal product with a bit higher price to cheaper non-halal food			0.514*	
	I prefer just to keep consuming the same halal food than having to evaluate other food products			0.874	
HP	I am willing to pay more for food products with an authentic Halal label				0.937
	I prefer to buy halal-certified products even when the brand is not very popular				0.939
	I am willing to travel long distance to buy food products with an authentic Halal label				0.361*
	<b><i>Cronbach's Alpha (a) (&gt; 0.7)</i></b>	<b><i>0.869</i></b>	<b><i>0.864</i></b>	<b><i>0.717</i></b>	<b><i>0.869</i></b>
	<b><i>AVE (&gt; 0.5)</i></b>	<b><i>0.662</i></b>	<b><i>0.684</i></b>	<b><i>0.574</i></b>	<b><i>0.693</i></b>
	<b><i>Composite Reliability (&gt; 0.7)</i></b>	<b><i>0.906</i></b>	<b><i>0.910</i></b>	<b><i>0.867</i></b>	<b><i>0.913</i></b>

The CR and AVE values were higher the recommended values of 0.50 and 0.70, respectively. We retained all items with factor loadings greater than the recommended value of 0.60 (Hair Jr. et al., 2014).

## Result and Discussion

We analysed the relationships between constructs using structural equation modeling (SEM). Partial least squares (PLS) approach was selected because

of its small size requirements and the exploratory nature of the research (Ringle et al., 2015). For the software analysis, we used SmartPLS 3.0. We also used bootstrapping technique to review the significance levels of the predicted relationships, and each indicator's p-value was examined and to find out the significance of the coefficient (Ringle et al., 2015). Table 3 summarizes the path coefficients and their p-values.

**Table 3: Hypothesis testing**

		Path coefficients	P Values	Verdict
<b>H1</b>	Halal Credence -> Halal Consumers' Attitude	0.689	0.000	Supported
<b>H2</b>	Halal Credence -> Halal Purchase Intention	0.052	0.059	Not supported
<b>H3</b>	NFC -> Halal Consumers' Attitude	0.245	0.003	Supported
<b>H4</b>	NFC -> Halal Purchase Intention	-0.054	0.070	Not supported
<b>H5</b>	Halal Purchase Intention -> Halal Purchase Intention	0.996	0.000	Supported

Table 3 shows that there is a significant positive effect of attitude on purchase intention ( $\beta_1/0.996$ , p-value<0.005). Therefore, H1 is supported. There is also a significant positive and direct effect of halal credence on attitude ( $\beta_2/0.689$ , p-value<0.005), so H2 is also supported. However, the result of halal credence's effect on purchase intention ( $\beta_3/0.052$ , p-value>0.005) does not acknowledge the significance of halal credence on purchase intention. Therefore, H3 was not supported.

When discussing the effect of NFC on attitude on halal purchase intention, we also concluded similar interpretations. There is a significant positive and direct effect of NFC on attitude ( $\beta_4/0.245$ , p-value<0.005), so H4 is supported. However, the result of NFC's effect on purchase intention ( $\beta_5/-0.054$ , p-value>0.005) does not acknowledge the significance of halal credence on purchase intention. Therefore, H5 was not supported.

From table 4, we see that even though either halal credence and NFC have no direct significant relationships with halal purchase intention, both have indirect significant relationships with halal purchase intention through halal consumers' attitude as mediating variable. Both p-values of H6 and H7 are significant (below the threshold of 0.005). This means that both indirect effects are significant (Baron & Kenny, 1986).

**Table 4: Mediation Effects**

Hypothesis	Path	p-value	Results	Verdict



<b>H6</b>	Halal credence -> Halal consumers' attitude -> Purchase Intention	0.000	0.689	Supported	Full Mediation
<b>H7</b>	NFC -> Halal consumers' attitude -> Purchase Intention	0.004	0.245	Supported	Full Mediation

## Conclusion

We found that our hypothesis predicting halal credence has a positive impact on halal purchase intention was not supported. We have argued that this result is caused by the aspect of credence still has not fully convinced the Muslim tourists visiting Spain. The lack of knowledge about industrial halal quality coordination in Spain might also be a cause. Another unsupported hypothesis is the effect of need for cognition (NFC) on halal purchase intention. The possible reason behind this is because this construct has not been used frequently in such a specific topic as well as a specific choice of respondents.

The rest of the direct effects of our hypotheses were supported. Halal consumers' attitude has positive effect on purchase intention, which corresponds with several previous research (Abd Rahman et al., 2015; Garg and Joshi, 2018). Halal consumers' attitude also has direct effect from both halal credence and NFC. We also proved that halal consumers' attitude has central role in the relationship with other constructs. It mediates the relationship between halal credence and halal purchase intention, as well as the relationship between NFC and halal purchase intention.

We suggest to expand this study into a longitudinal study that can be conducted in other European countries. We believe future research should also differentiate between halal food products that are local-made or imported from different countries. This can give more useful insights to food industry players.

## References

1. Abd Rahman, A., Asrarhaghghi, E., & Ab Rahman, S. (2015). "Consumers and Halal cosmetic products: knowledge, religiosity, attitude and intention". *Journal of Islamic Marketing*, 6(1), 148-163.
2. Al-Ansi, A., Olya, H. G. T., & Han, H. (2019). "Effect of general risk on trust, satisfaction, and recommendation intention for halal food". *International Journal of Hospitality Management*, 83 (Oct 19), 210-219. <https://doi.org/10.1016/j.ijhm.2018.10.017>

3. Anderson, J. C., & Gerbing, D. W. (1992). "Assumptions and comparative strengths of the two-step approach: Comment on Fornell and Yi". *Sociological Methods & Research*, 20(3), 321-333.
4. Baron, R. M., & Kenny, D. A. (1986). "The moderator-mediator variable distinction in social psychological research: Conceptual, strategic, and statistical considerations". *Journal of Personality and Social Psychology*, 51(6), 1173-1182.
5. Bashir, A. M., Bayat, A., Olutuase, S. O., & Abdul Latiff, Z. A. (2019). "Factors affecting consumers' intention towards purchasing halal food in South Africa: a structural equation modelling". *Journal of food products marketing*, 25(1), 26-48.
6. Cacioppo, J., & Petty, R. (1982). "On Human Communication". *Journal of Personality and Social Psychology*, 42(1), 116-131. <https://doi.org/10.1080/13183222.2018.1418978>
7. Fornell, C., & Larcker, D. F. (1981). "Evaluating structural equation models with unobservable variables and measurement error". *Journal of Marketing Research*, Vol. 18 No. 1. Pp. 39-50.
8. Garg, P., & Joshi, R. (2018). "Purchase intention of "Halal" brands in India: the mediating effect of attitude". *Journal of Islamic Marketing*, 9(3), 683-694. <https://doi.org/10.1108/JIMA-11-2017-0125>
9. Hair Jr., J. F., G. T. M. Hult, C. Ringle, and M. Sarstedt. (2014). "A primer on partial least squares structural equation modeling (PLS-SEM)". Thousand Oaks, CA: Sage Publications.
10. Lada, S., Harvey Tanakinjal, G., & Amin, H. (2009). "Predicting intention to choose halal products using theory of reasoned action". *International Journal of Islamic and Middle Eastern Finance and Management*, 2(1), 66-76. <https://doi.org/10.1108/17538390910946276>
11. Mesa, E. S. (2012). "Los moriscos que se quedaron. La permanencia de la población de origen islámico en la España Moderna (Reino de Granada, siglos XVII-XVIII): Vínculos de Historia." *Revista del Departamento de Historia de la Universidad de Castilla-La Mancha*.
12. Nunnally, J.C., Bernstein, I.H. *Psychometric theory* (3rd Ed.) New York: McGraw-Hill Inc. 1994.
13. Ringle, C. M., Wende, S., and Becker, J.-M. (2015), "SmartPLS 3", Boenningstedt: SmartPLS GmbH, available at: <http://www.smartpls.com> (accessed 4 May 2019).
14. UCIDE: Unión de Comunidades Islámicas de España. 2018. Estudio demográfico de la población musulmana" *Explotación estadística del censo de ciudadanos musulmanes en España*. available at <http://ucide.org>

15. Vargas-Sánchez, A., & Moral-Moral, M. (2019). “Halal tourism: state of the art”. *Tourism Review*. Vol. 74 No. 3 2019, pp. 385-399.
16. Verbeke, W., Rutsaert, P., Bonne, K., & Vermeir, I. (2013). “Credence quality coordination and consumers' willingness-to-pay for certified halal labelled meat”. *Meat Science*, 95(4), 790-797. <https://doi.org/10.1016/j.meatsci.2013.04.042>
17. Wibowo, M. W., & Ahmad, F. S. (2016). “Non-Muslim consumers' halal food product acceptance model”. *Procedia Economics and Finance*, 37, 276-283.

For Peer Review

May 30<sup>th</sup>, 2020

SECOND SUBMISSION (REVISION)  
CURRENT ISSUES IN TOURISM

(SJR Q1)



MAHIR PRADANA &lt;mahirpradana@telkomuniversity.ac.id&gt;

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**Current Issues in Tourism - Decision on Manuscript ID CIT-6500.R1**

3 messages

**Current Issues in Tourism** <onbehalf@manuscriptcentral.com>

Sun, Jul 5, 2020 at 11:54 PM

Reply-To: RCIT-peerreview@journals.tandf.co.uk

To: mahirpradana@telkomuniversity.ac.id

Dear MAHIR,

We are delighted to say that we would like to accept your revised manuscript, 'Muslim Tourists' Purchase intention of Halal food in Spain' (CIT-6500.R1), for publication in Current Issues in Tourism, subject to an originality check using the Crossref Similarity Check™ software. Once the originality check is complete, the paper will be forwarded to the publisher for copy editing and typesetting. Thank you for your contribution to our journal.

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Best wishes,

Chris Cooper and C. Michael Hall  
Editors, Current Issues in Tourism

Twitter handle: @maheerprad

Tweetable abstract: N/A

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**MAHIR PRADANA** <mahirpradana@telkomuniversity.ac.id>

Mon, Jul 6, 2020 at 8:46 PM

To: "RCIT-peerreview@journals.tandf.co.uk" &lt;RCIT-peerreview@journals.tandf.co.uk&gt;

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Hopefully our paper passes the originality check. If in any case there are detected similarity in some of the sentences, we will be willing to make necessary alterations.

Regards,

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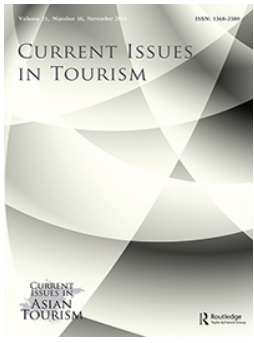
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July 6<sup>th</sup>, 2020

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(SJR Q1)



## Muslim tourists' purchase intention of halal food in Spain

Mahir Pradana , Rubén Huertas-García & Frederic Marimon

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RESEARCH LETTER



## Muslim tourists' purchase intention of halal food in Spain

Mahir Pradana <sup>a</sup>, Rubén Huertas-García <sup>b</sup> and Frederic Marimon <sup>c</sup>

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### ABSTRACT

This quantitative study aims to observe the purchase intention of halal food products in Spain from the perspective of Muslim tourists. 500 Muslim respondents who have visited Spain participated in answering our research questionnaire. The data were analyzed using the PLS-SEM method using SmartPLS 3.0 software. Our result shows that both the halal credence and the need for cognition have no direct effects on halal purchase intention. However, halal consumers' attitude acts as significant mediators in the indirect effects of both halal credence and the need for cognition on halal purchase intention.

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## Introduction

Business policymakers have acknowledged halal tourism as a potential market while academic scholars have integrated it as a part of business literature (Al-Ansi et al., 2019). We decided to focus this study specifically in Spain because it is one of the few countries that planned and develop halal concepts seriously—alongside New Zealand, Australia, South Korea, and Japan (Al-Ansi et al., 2019). Spain also has a long Islamic history during the Moors' reign since 800 A.D. until the seventeenth century (Mesa, 2012). According to recent data by the Union of Islamic Communities in Spain (UCIDE, 2018), the country is now home to around 1.9 Muslims.

A study by Vargas-Sánchez and Moral-Moral (2019) and Pradana et al. (2020) have become decent pathfinders in exploring halal tourism in Spain. Still, there is a clear gap in the literature, especially in the discussion of how halal food purchase intention affects the travel experience of Muslim tourists' (Bashir et al., 2019). Therefore, we formulate these research hypotheses, which are visually presented in Figure 1.

H1 – Halal credence has a positive effect on halal consumers' attitude

H2 – Halal credence has a positive effect on halal purchase intention

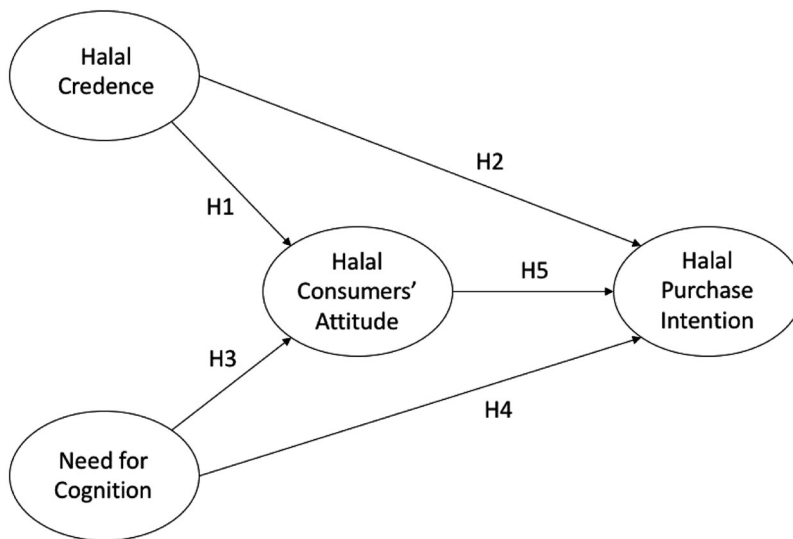
H3 – Need for cognition (NFC) has a positive effect on halal consumers' attitude

H4 – NFC has a positive effect on halal purchase intention.

H5 – halal consumers' attitude has a positive effect on halal purchase intention

H6 – Halal consumers' attitude acts as a mediator in the relationship between halal credence and halal purchase intention

H7 – Halal consumers' attitude acts as a mediator in the relationship between NFC and halal purchase intention.



**Figure 1.** Research model.

## Research Methodology

The respondents of this research were 500 Muslims who have visited Spain at least once. They were invited to answer our questionnaire—which was distributed using email and mobile chat applications (WhatsApp and Telegram). The profiles of these respondents can be seen in [Table 1](#).

The measures contain five constructs which were generated from prior studies: halal credence (3 items from Verbeke et al. [2013]), halal consumers' attitude (4 indicators from Bashir et al. [2019]); and Pradana et al. (2020), need for cognition (3 indicators from Cacioppo and Petty [1982]; and Wibowo and Ahmad [2016]), and purchase intention (3 indicators from Garg and Joshi (2018) and Pradana et al. (2020)).

We evaluated the items' validity according to the procedures suggested by Hair et al. (2014). Cronbach's alpha is required to indicate a minimum value of 0.7 to be an acceptable reliability coefficient (Nunnally & Bernstein, 1994). Furthermore, the composed reliability coefficient has to be at least a value of 0.7 (Anderson & Gerbing, 1992) and the average variance extracted (AVE) has to be at least a value of 0.5 (Fornell & Larcker, 1981). [Table 2](#) shows the results of the confirmatory factor analysis (CFA).

**Table 1.** Profiles of respondents.

Variables	Categories	Frequency	Percentage
Gender	Men	262	52.4
	Women	238	47.6
	TOTAL	500	100.0
Age	<26 years old	62	32.9
	26–35 years old	86	36.4
	36–45 years old	82	30.7
	TOTAL	500	100.0
Marriage Status	Married	216	43.2
	Not Married	284	56.8
	TOTAL	500	100.0
Part of Spain they visited	Catalunya	183	36.6
	Madrid	89	17.8
	Andalucia	83	16.6
	Valencia	15	0.3
	Others	130	26.0
	TOTAL	500	100.0

**Table 2.** Construct validity (CFA result).

		Items	CR	HA	NC	HP
Halal Credence		I will choose halal products because I am sure that it has been produced according to Islamic method	0.589*			
		Halal label makes me feel safe to consume the product	0.886			
		I prefer halal products because it is free from residues	0.855			
Halal Consumers' Attitude		The existence of a halal label in the packaging of food products is important		0.920		
		I will choose a product based on whether there is a halal label or not		0.361*		
		Halal label makes me feel safe to consume the product		0.918		
		I always look for the Halal Label on the product packaging before buying any products or goods		0.933		
Need for Cognition		My decision to consume halal food comes after going through some process of thinking			0.689	
		I prefer halal product with a bit higher price to cheaper non-halal food			0.514*	
		I prefer just to keep consuming the same halal food than having to evaluate other food products			0.874	
Halal Purchase Intention		I am willing to pay more for food products with an authentic Halal label				0.937
		I prefer to buy halal-certified products even when the brand is not very popular				0.939
		I am willing to travel long distance to buy food products with an authentic Halal label				0.361*
		<i>Cronbach's Alpha (a) (&gt;0.7)</i>	0.869	0.864	0.717	0.869
	<i>AVE (&gt;0.5)</i>	0.662	0.684	0.574	0.693	
	<i>Composite Reliability (&gt;0.7)</i>	0.906	0.910	0.867	0.913	

The composite reliability (CR) and average variance extracted (AVE) values were higher than the recommended values of 0.50 and 0.70, respectively. We retained all items with factor loadings higher than the recommended value of 0.60 (Hair et al., 2014).

## Result and discussion

We analysed the relationships between constructs using the structural equation modelling (SEM). The partial least squares (PLS) approach was selected because of its small size requirements and the exploratory nature of the research (Ringle et al., 2015). We used SmartPLS 3.0 for the software analysis and the bootstrapping technique to review the significance levels of the predicted relationships. Each indicator's *p*-value was examined to observe the significance of each coefficient (Ringle et al., 2015). Table 3 summarizes the path coefficients and their *p*-values.

Table 3 shows that there is a significant positive effect of attitude on purchase intention ( $\beta$ 10.996, *p*-value < 0.005). Therefore, H1 is supported. There is also a significant positive and direct effect of halal credence on the attitude ( $\beta$ 20.689, *p*-value < 0.005). Therefore, H2 is also supported. However, the result of the halal credence's effect on purchase intention ( $\beta$ 30.052, *p*-value > 0.005) does not acknowledge the significance of halal credence on purchase intention. Therefore, H3 is not supported.

When discussing the effect of NFC on the attitude on halal purchase intention, we also concluded similar interpretations. There is a significant positive and direct effect of NFC on the attitude ( $\beta$ 40.245,

**Table 3.** Hypothesis testing.

		Path coefficients	<i>P</i> Values	Verdict
H1	Halal Credence -> Halal Consumers' Attitude	0.689	0.000	Supported
H2	Halal Credence -> Halal Purchase Intention	0.052	0.059	Not supported
H3	NFC -> Halal Consumers' Attitude	0.245	0.003	Supported
H4	NFC -> Halal Purchase Intention	-0.054	0.070	Not supported
H5	Halal Purchase Intention -> Halal Purchase Intention	0.996	0.000	Supported

**Table 4.** Mediation effects.

Hypothesis	Path	<i>p</i> -value	$\beta$	Results	Verdict
H6	Halal credence -> Halal consumers' attitude -> Purchase Intention	0.000	0.689	Supported	Full Mediation
H7	NFC -> Halal consumers' attitude -> Purchase Intention	0.004	0.245	Supported	Full Mediation

$p$ -value < 0.005). Therefore, H4 is supported. However, the result of the NFC's effect on purchase intention ( $\beta$ 5–0.054,  $p$ -value > 0.005) does not acknowledge the significance of halal credence on purchase intention. Therefore, H5 is not supported.

From Table 4, we can see that both halal credence and NFC have no direct significant relationship with halal purchase intention. However, both have an indirect significant relationship with halal purchase intention through the halal consumers' attitude as a mediating variable. Both  $p$ -values of H6 and H7 are significant (below the threshold of 0.005). This means that both indirect effects are significant (Baron & Kenny, 1986).

## Conclusion

We found that our hypothesis, which predicts that halal credence has a positive impact on halal purchase intention, was not supported. We argue that this result is caused by the aspect of credence which still has not fully convinced the Muslim tourists visiting Spain. The lack of knowledge about industrial halal quality coordination in Spain might also be a cause. Another unsupported hypothesis is the effect of need for cognition (NFC) on halal purchase intention. The possible reason behind this is because this construct has not been used frequently in such a specific topic, as well as with a specific choice of respondents.

The rest of the direct effects of our hypotheses were supported. Halal consumers' attitude indeed does have a positive effect on purchase intention. This result corresponds with several previous research (Abd Rahman et al., 2015; Garg & Joshi, 2018). Halal consumers' attitude also has a direct effect from both halal credence and NFC. We also proved that halal consumers' attitude has a central role in relationships with other constructs. It mediates the relationship between halal credence and halal purchase intention, as well as the relationship between NFC and halal purchase intention.

We suggest to expand this study into a longitudinal study that can be conducted in other European countries. We believe future research should also differentiate between halal food products that are local-made or those which are imported from different countries. This can give more useful insights to food industry players.

## Disclosure Statement

No potential conflict of interest was reported by the author(s).

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## References

- Abd Rahman, A., Asrarhaghghi, E., & Ab Rahman, S. (2015). Consumers and halal cosmetic products: Knowledge, religiosity, attitude and intention. *Journal of Islamic Marketing*, 6(1), 148–163. <https://doi.org/10.1108/JIMA-09-2013-0068>
- Al-Ansi, A., Olya, H. G. T., & Han, H. (2019). Effect of general risk on trust, satisfaction, and recommendation intention for halal food. *International Journal of Hospitality Management*, 83(Oct 19), 210–219. <https://doi.org/10.1016/j.ijhm.2018.10.017>

- Anderson, J. C., & Gerbing, D. W. (1992). Assumptions and comparative strengths of the two-step approach: Comment on Fornell and Yi. *Sociological Methods & Research*, 20(3), 321–333. <https://doi.org/10.1177/0049124192020003002>
- Baron, R. M., & Kenny, D. A. (1986). The moderator-mediator variable distinction in social psychological research: Conceptual, strategic, and statistical considerations. *Journal of Personality and Social Psychology*, 51(6), 1173–1182. <https://doi.org/10.1037/0022-3514.51.6.1173>
- Bashir, A. M., Bayat, A., Olutuase, S. O., & Abdul Latiff, Z. A. (2019). Factors affecting consumers' intention towards purchasing halal food in South Africa: A structural equation modelling. *Journal of Food Products Marketing*, 25(1), 26–48. <https://doi.org/10.1080/10454446.2018.1452813>
- Cacioppo, J., & Petty, R. (1982). On human communication. *Journal of Personality and Social Psychology*, 42(1), 116–131. <https://doi.org/10.1080/13183222.2018.1418978>
- Fornell, C., & Larcker, D. F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *Journal of Marketing Research*, 18(1), 39–50. <https://doi.org/10.1177/002224378101800104>
- Garg, P., & Joshi, R. (2018). Purchase intention of 'halal' brands in India: The mediating effect of attitude. *Journal of Islamic Marketing*, 9(3), 683–694. <https://doi.org/10.1108/JIMA-11-2017-0125>
- Hair, J. F., Hult, G. T. M., Ringle, C., & Sarstedt, M. (2014). *A primer on partial least squares structural equation modeling (PLS-SEM)*. Sage Publications.
- Mesa, E. S. (2012). Los moriscos que se quedaron. La permanencia de la población de origen islámico en la España Moderna (Reino de Granada, siglos XVII-XVIII): Vínculos de Historia. *Revista del Departamento de Historia de la Universidad de Castilla-La Mancha*. <http://hdl.handle.net/10396/11147>
- Nunnally, J. C., & Bernstein, I. H. (1994). *Psychometric theory* (3rd ed.). McGraw-Hill Inc.
- Pradana, M., Huertas-García, R., & Marimon, F. (2020). Spanish Muslims' halal food purchase intention. *International Food and Agribusiness Management Review*, 1–14. <https://doi.org/10.22434/IFAMR2019.0200>
- Ringle, C. M., Wende, S., & Becker, J.-M. (2015). 'SmartPLS 3'. Boenningstedt: SmartPLS GmbH. <http://www.smartpls.com> (accessed 4 May 2019)
- UCIDE: Unión de Comunidades Islámicas de España. (2018). Estudio demográfico de la población musulmana Explotación estadística del censo de ciudadanos musulmanes en España. <http://ucide.org>
- Vargas-Sánchez, A., & Moral-Moral, M. (2019). Halal tourism: State of the art. *Tourism Review*, 74(3), 385–399. <https://doi.org/10.1108/TR-01-2018-0015>
- Verbeke, W., Rutsaert, P., Bonne, K., & Vermeir, I. (2013). Credence quality coordination and consumers' willingness-to-pay for certified halal labelled meat. *Meat Science*, 95(4), 790–797. <https://doi.org/10.1016/j.meatsci.2013.04.042>
- Wibowo, M. W., & Ahmad, F. S. (2016). Non-Muslim consumers' halal food product acceptance model. *Procedia Economics and Finance*, 37, 276–283. [https://doi.org/10.1016/S2212-5671\(16\)30125-3](https://doi.org/10.1016/S2212-5671(16)30125-3)