

HALAL PRODUCTS FROM THE CONSUMERS PERCEPTION. AN ONLINE SURVEY¹.

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Abstract

The development of Islamic banking shows that Muslims are concern with the prohibition of riba and would like to ensure that their investments are pure or halal. Nevertheless, not only transactions in business, banking and investment that require halal, the food industry must follow the same requirement because Muslims are required to consume halal food and products as promulgated by the Quran. Jabatan Kemajuan Islam Malaysia (JAKIM) has come out with halal standard and logo initiatives to ensure that Muslim consumer' rights to halal foods and products are protected. This research would examine the consumers' perception on the halal logo and ingredients compared to the respondents' demographics profiles.

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1.0 Introduction

There are several cases or issues where products sold to Muslim consumers were questioned on its halal status. In an extreme case, a manufacturer using non-halal ingredients in making sausages was highlighted by media to public attention. Even though it was an isolated case, but it shows the lacking of sensitivity on the rights of Muslims consumers by the food manufacturers. Therefore, the Muslim consumers through several associations has voiced out the problems at hand demanding that the authority to take necessary actions to avoid unethical producers to manipulate the consumers in ensuring profit is maximized. Even though Jakim has come out with the initiatives of introducing halal logo and standards for food and products, unscrupulous producers imitate the halal logo to deceive Muslim consumers. It is with that motivation; this research is conducted to identify how consumers make decisions in buying halal food or products.

1.1 Problem Statement

The problem of Muslim consumers being deceived by unscrupulous manufacturers using prohibited ingredients in their products and services with halal certification must be solved to gain the Muslim confidence in acquiring the products and services. Several irresponsible manufacturers have been caught either using the fraud logo or misrepresentation of the actual ingredients have made the halal logo is questionable. There is a need for the determination of the perceptions of the Muslim buyers on the way they actually make their purchase decisions in order to identify whether the halal logo do give an impact to the decision making process of a purchase.

On the other hand non Muslims did not care whether the food is halal or haram but it is also imperative to see if they actually purchase the halal certified products and services because the manufacturers have followed the Halal standard in its operation.

There is also another problem associated with the halal logo certified by Jakim and other private institutions or non profit organizations. The perception of the Muslim consumers might be different or indifferent when comparing the products certified by Jakim and other organizations in Malaysia.

1.2 Objective of Study

There are several objectives of the study:

- a) To determine the consumers perception on the halal logo
- b) To determine the consumers perception on the ingredients on the packaging.
- c) To determine whether perceptions on the halal logo and ingredients between gender are significant different or not.
- d) To determine whether perceptions on the halal logo and ingredients between race are significant different or not.

- e) To determine whether perceptions on the halal logo and ingredients between religion are significant different or not.
- f) To determine whether perceptions on the halal logo and ingredients between marital status are significant different or not.
- g) To determine whether perceptions on the halal logo and ingredients between age are significant different or not.
- h) To determine whether perceptions on the halal logo and ingredients between education are significant different or not.

1.4 Literature Review

Halal is an Arabic word meaning lawful or permitted. The opposite of Halal is Haram, which means unlawful or prohibited. Halal and Haram are universal terms that apply to all facets of life. However, we will use these terms only in relation to food products, meat products, cosmetics, personal care products, food ingredients, and food contact materials.

While many things are clearly Halal or clearly Haram, there are some things which are not clear. These items are considered questionable or suspect and more information is needed to categorize them as Halal or Haram. Such items are often referred to as Mashbooh, which means doubtful or questionable.

All foods are considered Halal except the following, which are Haram:

- Swine/pork and its by-products
- Animals improperly slaughtered or dead before slaughtering
- Animals killed in the name of anyone other than ALLAH (God)
- Alcohol and intoxicants
- Carnivorous animals, birds of prey and land animals without external ears
- Blood and blood by-products
- Foods contaminated with any of the above products

The term Halal, which is the Islamic counter part of Kosher, and means permitted or allowed to Muslims. Halal certification of food is becoming increasingly important as the country's Muslim population grows. It is also important for the export business (Berry Donna, 2000).

A halal sign was usually enough to convince any Muslim that the food sold was what it said. The halal food business is certainly a profitable one, especially in areas populated by Muslims. Muslim customers must have a curiosity personal about the product. It is because, the some retailer want to attract the Muslim customer to buy their product ever though they produce or use the prohibited way.

Malaysia is coordinating and developing its halal products industry. The halal certification producers will be streamlined as well as coordinated with the development of industrial zones for halal products (Sadna Saifuddin, 2003). Halal Foods that confirm to Islamic dietary laws specified in the Korean can served as a medium to penetrate the large and growing Muslim market and exporting them would shore up Malaysian food

exports. The influences of culture upon consumer desired value perception to perceive from buying and using product. Consumer perception of products or service value is determined not only by intrinsic dispositions, but also by internalized cultural values and norms, and external contextual factors (Overby, Jeffrey, Woodruff, Robert B, Gordial Sarah Fisher, 2005).

Halal certification will soon be regulated with the setting up of a company to undertake the responsibility. The problem is that each state has its own way of certification which results in the use of different halal logo from state to state. As a products certified as halal given state are sold throughout the country, this causes confusion when enforcement officers are checking on the products to as certain if they are halal (NST, 2003). In addition, the government will not conduct research or issue certificates for 'non-halal' food as it would be prejudiced against manufactures and retailers of such products. Therefore, the public should not be alarmed or misled by unfounded rumors. The halal certifications, distinguished by the official logo of Jabatan Kemajuan Islam Malaysia (JAKIM), will not be forced upon any manufacturer especially the non halal manufacturers (Paramjeet Kaur, 2000)

JAKIM will be sole issuer of halal certification in the country after amendments are made to the Trade Description Act 1972. The amendments are expected to take place this year to standardize the halal certification and avoid confusion among the producers and importers of halal logo (Hamisah Hamid, 2003).

Currently, the halal logo is displayed in the packaging or label of the products. Sidiga Washi in a research on the nutritional on food labeling in Saudi Arabia mentioned that the Food labeling is the primary means of communication between the producers and sellers of food, and the purchaser and consumer (Sidiga Washi).

Advertising spending is a signal of product quality for experience good because consumer can rationally inter that high-quality product would advertise more than low-quality product (Moothy, Sridhar, 2005). Religion plays a significant role in influencing social and consumer behavior. A study by Fan, Kim Shyan, Waller, David S., and Erdogan, B. Zafer analyzed what influence religion and intensity of belief has on attitudes towards the advertising of particular controversial products and services. The result indicated some statistically significant differences between the groups, which can have important implication for consumer (Fan, Kim Shyan, Waller, David S., Erdogan, B. Zafer, 2004).

Xiang Fang and Mowen, John discusses the factors influencing the effectiveness of logos in the product labels. Respondent preferred a regular logo for building but around logo for the vase. High visual-orientation individuals liked an advertisement with round logo only the realistic condition (Xiang Fang and Mowen, John, 2003).

A research done by Veloutsou Cleopatra, Giolistanis Evangelos, Mountinho Luiz (2004) on the factors influencing the willingness to buy from consumer is the own label brands offered by supermarket. It compares the importance of choke criteria when purchasing own label and national brands and the perceived characteristics of the products carrying store and manufacture. Result show that own label and manufacturer brands have overall different stage positioning (Veloutsou Cleopatra, Giolistanis Evangelos, Mountinho Luiz 2004).

Another important factor that Jakim must consider is to provide website for consumers to check on the halal status. Growing concern food safety issues dependence on the Internet as a source of information. It is also to examine the presence and relevance of food safety-related information on Web-Sites. It also to conduct the current personal status governmental web sites on food safety issues. This study also to evaluated usability information dimensionalities such as utility, currency and relevant content from consumer (Young Namkung, Barbara Al Almanza, 2006).

There are a so many research has been done in the western world about the perception of the consumers' on the packaging or labels but none has done a research on eh perception of halal logo especially in Malaysia. It is this aspect that we expect to make a contribution of knowledge for the benefits of the academia, government, Jakim, halal producers, Muslim consumers and the society as a whole.

2.0 Data and Methodology

Online questionnaires were used in this research as the primary data. The sampling method is using convenience samplings which are by sending emails to personal contacts directing them to a web-survey website. There are 21 questions and there are divided into 3 sections. The sections are the demographic profile of respondents, the respondents' perception on Halal's logo and the ingredient on Halal's food". The questionnaire was uploaded at www.my3q.com/fsdfg from 11/10/2006 until 08/11/2006. The analysis used in the research is using simple basic statistics analysis such as anova.

3.0 Result

There were 105 respondents that participated in the survey and seventy of the respondents are females and thirty five are males. 104 respondents are Muslims and only one respondent is Hindu.

Before we get the finalist result, we make an analysis to get it. For analysis our data, we use the descriptive statistics, Cronbanch;s Alpha, ANOVA, and regression.

3.1 Analysis

3.1.1 Respondents Demographic Profiles

The total respondents participated in the survey were 105 and 66.5% of the respondents or 70 are females while 33.3 respondents are males or 35 people. Majority of the respondents are Malays which are approximately 96.2% or 101 respondents. There is only one Indian who participates in the survey while three respondents are from other races. Majority of the respondents' religion are Islam and only one who are Christian. 81 respondents are single or about 77.1% from 105 respondents. 23 (21.9%) are married and 1 (1%) is divorced. The majority of the respondents are from the range of 18 until 21 years old approximately 64 respondents (61%) from 105 respondents. Majority of the respondents are having a degree for the education background.

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Female	70	66.7	66.7	66.7
	Male	35	33.3	33.3	100.0
	Total	105	100.0	100.0	

Race

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Malay	101	96.2	96.2	96.2
	Indian	1	1.0	1.0	97.1
	Others	3	2.9	2.9	100.0
	Total	105	100.0	100.0	

Religion

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Islam	104	99.0	99.0	99.0
	Christian	1	1.0	1.0	100.0
	Total	105	100.0	100.0	

Status

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Married	23	21.9	21.9	21.9
	Single	81	77.1	77.1	99.0
	Divorced	1	1.0	1.0	100.0
	Total	105	100.0	100.0	

Age

		Frequency	Percent	Valid Percent	Cumulative Percent
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Valid	Below 18	1	1.0	1.0	1.0
	18-21	64	61.0	61.0	61.9
	22-25	12	11.4	11.4	73.3
	26-29	6	5.7	5.7	79.0
	Above 30	22	21.0	21.0	100.0
	Total	105	100.0	100.0	

Education

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Diploma	3	2.9	2.9	2.9
	Degree	81	77.1	77.1	80.0
	Master	9	8.6	8.6	88.6
	PhD	6	5.7	5.7	94.3
	Others	6	5.7	5.7	100.0
	Total	105	100.0	100.0	

3.1.2 Reliability Analysis

Cronbach's Alpha

The reliability test measures the internal consistency and stability of the multi-item scales. Commonly used reliability test is the Cronbach's alpha. The Cronbach's alpha measures the internal consistency or homogeneity among the multi-item scales such as the interval level measurement. Its coefficient measures how well the items in the measurements are positively correlated to one another. The closer the estimated Cronbach's alpha coefficient to 1, the higher the internal reliability of the multi-item scales. The Cronbach's alpha is 0.745 and it is relevant and showing internal consistency.

Reliability Statistics

Cronbach's Alpha	N of Items
.745	14

To Determine The Consumers Perception On The Halal Logo And The Ingredients On The Packaging.

Descriptive Statistics

	Mean	Std. Deviation
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	4.61	.686
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	4.70	.774
Question 10-The method of manufacturing is also important in the determining the halal status.	4.76	.564
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	4.74	.605
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	4.27	1.146

Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	2.54	1.461
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	4.66	.875
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	3.22	1.209
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	4.18	.918
Question 17-I choose food and drink based on the halal and not based on "taste" only	4.35	.784
Question 18-I am concern with the food that I take.	4.39	.826
Question 19-The ingredients of the food and drink are very important for consumers.	4.72	.686
Question 20-The expiry date of the product is important.	4.77	.654
Question 21-Using preservative in food and drink product is acceptable.	3.29	1.158
Valid N (listwise)		

Based on the result it shows that the consumers are concerned with the halal logo and also the ingredients in the packaging of a product. This could be seen from the mean of the variables tested.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Gender Are Significant Different Or Not.

T Test is used to test whether the perception on Halal logo is significant difference of individual's gender or not at two tails 5% significant level.

- Ho: There is no significant different between individual's gender (p value > alpha of 0.05)
- H1: There is significant different between individual's gender (p value <alpha of 0.05)

<Insert Appendix 1 here>

From the result we can conclude that female respondents are more concern (strongly agree) that all food and other consumers products should get the halal verification from Jakim as compared to male respondents (agree) at 5% significant level. For the rest of the variables there are no significant different between male and female. Overall, gender did not have any significant different in purchasing the halal products.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Race Are Significant Different Or Not.

The one-way analysis of variance (or abbreviated as one-way ANOVA) is used to compare three or more means in a single factor. The one-way ANOVA uses the *F* test to compare more than two means of a single factor simultaneously. Anova is used to test whether the perception on Halal logo is significant difference between individual's race.

- Ho: There is no significant different between individual's race (p value > alpha of 0.05)
- H1: There is significant different between individual's race (p value <alpha of 0.05)

<Insert Appendix 2 here>

Based on the Anova result all off the variables are significant different for race **except** for private company can also be authorized to produce the Halal's logo, I choose food and drink based on the halal status and ingredients not based on taste solely and I am concern with the food that I take. However, a further detailed analysis with the homogeneity of variance and post hoc comparison, the Malay and Indians are significant different using tamhane analysis since the variances are not homogeneous.

The Malays are unsure whether to let the private companies to produce halal certificate or logo (Mean of 2.54) while the Indians disagree with the idea of having other than Jakim producing the halal certificates or logo (Mean of 2.00). Using both tukey and tamhane analysis, all races strongly agree that taste is not the main criteria in their purchasing decision making but the halal logo and ingredients.

In the anova using tukey analysis, there is no significant difference between the races for the statement "I am concern with the food that I take". The tukey analysis is used because the variances are homogeneous at 5% level in the Levene Test. Overall, race do influence the decision making of purchasing halal products.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Religion Are Significant Different Or Not.

- There is no significant different between individual's religion (p value > alpha of 0.05)
- H1: There is significant different between individual's religion (p value <alpha of 0.05)

In this analysis, T Test is being used because there are only two groups of religion which are Islam and Christian.

<Insert Appendix 3 here>

All of the variables are significant different between religion except for the statement "my selection of food and drink is influenced by the Halal logo and ingredients and not based on the taste solely and I am not concern with the food that I take" which are not significant different at 5% significant level assuming equal variances. However both of the Levene test fail to reject the null hypothesis. Basically, religion influences the decision making in purchasing the halal products.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Marital Status Are Significant Different Or Not.

- Ho: There is no significant different between individual's marital status (p value > alpha of 0.05)

- H1: There is significant different between individual's marital status (p value <alpha of 0.05)

<Insert Appendix 4 here>

All of the variables are significant different using Anova test between marital status except for the statement "beside JAKIM, private company can be authorized to produce the Halal logo, I choose product not based on taste but on the halal status and its ingredients and I am concern with the food that I take" at 5% significant level. However, since the statement of "Beside Jakim, private company can be authorized to produce the Halal logo fail to reject the null alternate hypothesis, Tamhane test is used in multiple pos hoc comparison. There are significant different between divorced compared to single and married respondents.

As for the statement "I choose products not based on taste only but on the halal status and ingredients", the anova result is countered since the Levene test shows that Tamhane test should be used instead of Tukey. In this case, marital status do have significant difference. And the same for the last statement of "I am concern with the food I take" which is significant different using Tamhane at 5% level. Overall marital status have significant different in influencing the purchase of halal products.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Age Are Significant Different Or Not.

- Ho: the perception on Halal logo is not significant different of individual's age (p value > alpha of 0.05)
- H1: the perception on Halal logo is significant different of individual's age (p value <alpha of 0.05)

<Insert Appendix 5 here>

All of the variables are significant different at 5% significant level between age **except** "Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers for all food and other consumer products (Mean=4.74), and other private companies can issue halal's verification instead only JAKIM (Mean=2.54), my selection of food and drink is influenced by others even though the products do not have the Halal logo (Mean=3.22), the ingredients of the food and drink are very important for consumers (Mean=4.72), and the expiry date of the product is important (Mean=4.77)".

For the first statement "Islamic consumers have the right to report on any fraud Halal logo, the Levene test shows that the variance is not homogeneous, therefore Tamhane is used in multiple post hoc analysis. It is noted that the respondents age from 18-21 are significant different from 22-25 and 26-29 and above 30 with 26-29. However, the differences are not big that it would not affect the result. Overall, the differences are not so big for all the significant variables at 5% except for using preservative in food and drink is acceptable for the age range above 30 and whereas the age range of 22-25 is unsure.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Education Backgrounds Are Significant Different Or Not.

- Ho: the perception on Halal logo is not significant different of individual's education background (p value > alpha of 0.05)
- H1: the perception on Halal logo is significant different of individual's education background (p value <alpha of 0.05)

<Insert Appendix 6 here>

All of the statements are significant different except for "I choose food and drink based on the halal status and ingredients (Mean=4.35) and not based on "taste" only" and I am concern with the food that I take (Mean=4.39). From the multiple hoc analysis, the selection of food and drinks of the diploma holders are influenced by others.

4.0 Conclusion

The Muslim consumers' perception on the halal logo and the ingredients on the products label are positive. However there are several variables which are different between gender, race, religion, marital status, age and education background which could be focused by manufacturers who want to have a niche market in their marketing strategy. For example, female respondents are more concern that all food and other consumers' products should get the halal verification from Jakim as compared to male respondents.

As Islamic consumers are more concern about the halal logo, majority of them will be looking for the halal logo before buying any product or good on the product packaging. This would be an opportunity for many food manufacturers in tapping the Muslims market especially in Malaysia. Jakim is the organization that the public would be relying in determining the manufacturers follow the halal standard and the enforcement of the halal standard is effective. The appointment of the private companies in providing the halal status is out of the demand of the consumers since it would be difficult to standardize and would create confusion to consumers.

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Appendix 1

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Gender Are Significant Different Or Not.

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Equal variances assumed	.366	.547	.100	103	.920	.014	.143	-.269	.297
	Equal variances not assumed			.092	54.495	.927	.014	.156	-.298	.327
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Equal variances assumed	22.508	.000	2.564	103	.012	.400	.156	.091	.709
	Equal variances not assumed			2.024	40.394	.050	.400	.198	.001	.799
Question 10-The method of manufacturing is also important in the determining the halal status.	Equal variances assumed	10.900	.001	1.730	103	.087	.200	.116	-.029	.429
	Equal variances not assumed			1.390	41.678	.172	.200	.144	-.090	.490
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Equal variances assumed	1.015	.316	.341	103	.734	.043	.126	-.207	.292
	Equal variances not assumed			.294	47.773	.770	.043	.146	-.250	.336
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Equal variances assumed	.168	.683	1.146	103	.254	.271	.237	-.198	.741
	Equal variances not assumed			1.144	67.864	.256	.271	.237	-.202	.745

Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Equal variances assumed	.157	.693	.282	103	.778	.086	.304	-.517	.688
	Equal variances not assumed			.287	71.023	.775	.086	.299	-.511	.682
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Equal variances assumed	18.323	.000	1.917	103	.058	.343	.179	-.012	.698
	Equal variances not assumed			1.526	41.000	.135	.343	.225	-.111	.797
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Equal variances assumed	2.428	.122	-.569	103	.571	-.143	.251	-.641	.355
	Equal variances not assumed			-.602	79.025	.549	-.143	.237	-.616	.330
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Equal variances assumed	1.243	.268	1.669	103	.098	.314	.188	-.059	.688
	Equal variances not assumed			1.505	52.679	.138	.314	.209	-.105	.733
Question 17-I choose food and drink based on the halal andnot based on "taste" only	Equal variances assumed	.785	.378	.088	103	.930	.014	.163	-.309	.338
	Equal variances not assumed			.094	81.323	.926	.014	.153	-.289	.318
Question 18-I am concern with the food that I take.	Equal variances assumed	.312	.578	.918	103	.361	.157	.171	-.182	.497
	Equal variances not assumed			.865	58.364	.391	.157	.182	-.207	.521
Question 19-The ingredients of the food and drink are very important for consumers.	Equal variances assumed	3.547	.062	1.005	103	.317	.143	.142	-.139	.425
	Equal variances not assumed			.897	51.406	.374	.143	.159	-.177	.462
Question 20-The expiry date of the product is important.	Equal variances assumed	4.584	.035	1.269	103	.207	.171	.135	-.096	.439

Question 21-Using preservative in food and drink product is acceptable.	Equal variances not assumed			1.132	51.329	.263	.171	.151	-.133	.475
	Equal variances assumed	1.228	.270	1.255	103	.212	.300	.239	-.174	.774
	Equal variances not assumed			1.273	70.809	.207	.300	.236	-.170	.770

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Race Are Significant Different Or Not.

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	44.432	2	112	.000
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	10.138	2	112	.000
Question 10-The method of manufacturing is also important in the determining the halal status.	70.853	2	112	.000
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	55.121	2	112	.000
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	4.653	2	112	.011
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	3.720	2	112	.027
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	9.379	2	112	.000
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	2.810	2	112	.064
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	2.783	2	112	.066

Question 17-I choose food and drink based on the halal andnot based on "taste" only	3.783	2	112	.026
Question 18-I am concern with the food that I take.	3.026	2	112	.053
Question 19-The ingredients of the food and drink are very important for consumers.	34.168	2	112	.000
Question 20-The expiry date of the product is important.	54.299	2	112	.000
Question 21-Using preservative in food and drink product is acceptable.	2.795	2	112	.065

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Between Groups	18.895	2	9.448	15.152	.000
	Within Groups	69.835	112	.624		
	Total	88.730	114			
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Between Groups	47.095	2	23.548	41.547	.000
	Within Groups	63.479	112	.567		
	Total	110.574	114			
Question 10-The method of manufacturing is also important in the determining the halal status.	Between Groups	23.381	2	11.690	24.842	.000
	Within Groups	52.706	112	.471		
	Total	76.087	114			
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Between Groups	22.786	2	11.393	22.048	.000
	Within Groups	57.875	112	.517		
	Total	80.661	114			
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Between Groups	19.433	2	9.716	7.299	.001
	Within Groups	149.089	112	1.331		
	Total	168.522	114			
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Between Groups	.771	2	.385	.183	.833
	Within Groups	235.716	112	2.105		
	Total	236.487	114			

Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Between Groups	31.554	2	15.777	18.583	.000
	Within Groups	95.089	112	.849		
	Total	126.643	114			
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Between Groups	15.432	2	7.716	5.596	.005
	Within Groups	154.429	112	1.379		
	Total	169.861	114			
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Between Groups	40.354	2	20.177	26.766	.000
	Within Groups	84.429	112	.754		
	Total	124.783	114			
Question 17-I choose food and drink based on the halal and not based on "taste" only	Between Groups	.845	2	.422	.722	.488
	Within Groups	65.538	112	.585		
	Total	66.383	114			
Question 18-I am concern with the food that I take.	Between Groups	.784	2	.392	.605	.548
	Within Groups	72.607	112	.648		
	Total	73.391	114			
Question 19-The ingredients of the food and drink are very important for consumers.	Between Groups	22.202	2	11.101	18.028	.000
	Within Groups	68.964	112	.616		
	Total	91.165	114			
Question 20-The expiry date of the product is important.	Between Groups	14.024	2	7.012	10.802	.000
	Within Groups	72.706	112	.649		
	Total	86.730	114			
Question 21-Using preservative in food and drink product is acceptable.	Between Groups	10.347	2	5.174	3.880	.023
	Within Groups	149.340	112	1.333		
	Total	159.687	114			

Multiple Comparisons

Dependent Variable		(I) Race	(J) Race	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
							Lower Bound	Upper Bound
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Tukey HSD	Malay	Indian	-.356	.564	.803	-1.70	.98
			Others	1.310(*)	.241	.000	.74	1.88
		Indian	Malay	.356	.564	.803	-.98	1.70
			Others	1.667(*)	.603	.018	.23	3.10
		Others	Malay	-1.310(*)	.241	.000	-1.88	-.74
			Indian	-1.667(*)	.603	.018	-3.10	-.23

Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Tamhane	Malay	Indian	-0.356(*)	.059	.000	-0.50	-0.21
			Others	1.310	.516	.079	-0.13	2.75
		Indian	Malay	.356(*)	.059	.000	.21	.50
			Others	1.667(*)	.512	.023	.23	3.11
		Others	Malay	-1.310	.516	.079	-2.75	.13
			Indian	-1.667(*)	.512	.023	-3.11	-0.23
	Tukey HSD	Malay	Indian					
Question 10-The method of manufacturing is also important in the determining the halal status.	Tamhane	Malay	Others	2.086(*)	.230	.000	1.54	2.63
			Indian	.248	.538	.890	-1.03	1.52
		Others	Malay	2.333(*)	.575	.000	.97	3.70
			Indian	-2.086(*)	.230	.000	-2.63	-1.54
		Malay	Others	-2.333(*)	.575	.000	-3.70	-0.97
			Indian	-2.48(*)	.067	.001	-0.41	-0.09
	Tukey HSD	Malay	Indian					
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Tamhane	Malay	Others	2.086(*)	.382	.000	1.02	3.15
			Indian	.248(*)	.067	.001	.09	.41
		Others	Malay	2.333(*)	.376	.000	1.28	3.39
			Indian	-2.086(*)	.382	.000	-3.15	-1.02
		Malay	Others	-2.333(*)	.376	.000	-3.39	-1.28
			Indian					
	Tukey HSD	Malay	Indian					

			Others	1.667(*)	.549	.008	.36	2.97
		Others	Malay	-1.449(*)	.219	.000	-1.97	-.93
			Indian	-1.667(*)	.549	.008	-2.97	-.36
	Tamhane	Malay	Indian	-.218(*)	.048	.000	-.33	-.10
			Others	1.449(*)	.515	.049	.01	2.89
		Indian	Malay	.218(*)	.048	.000	.10	.33
			Others	1.667(*)	.512	.023	.23	3.11
		Others	Malay	-1.449(*)	.515	.049	-2.89	-.01
			Indian	-1.667(*)	.512	.023	-3.11	-.23
Question 12- The Halal food and drink product should be separated for Muslim and non-Muslims.	Tukey HSD	Malay	Indian					
				-.703	.824	.671	-2.66	1.25
			Others	1.297(*)	.352	.001	.46	2.13
		Indian	Malay	.703	.824	.671	-1.25	2.66
			Others	2.000	.881	.064	-.09	4.09
		Others	Malay	-1.297(*)	.352	.001	-2.13	-.46
			Indian	-2.000	.881	.064	-4.09	.09
	Tamhane	Malay	Indian	-.703(*)	.111	.000	-.97	-.43
			Others	1.297(*)	.441	.035	.08	2.51
		Indian	Malay	.703(*)	.111	.000	.43	.97
			Others	2.000(*)	.426	.002	.80	3.20
		Others	Malay	-1.297(*)	.441	.035	-2.51	-.08
			Indian	-2.000(*)	.426	.002	-3.20	-.80
Question 13- Beside JAKIM, private company can be authorized to produce the Halal's logo.	Tukey HSD	Malay	Indian					
				.545	1.036	.859	-1.92	3.01
			Others	-.122	.443	.959	-1.17	.93
		Indian	Malay	-.545	1.036	.859	-3.01	1.92
			Others	-.667	1.108	.819	-3.30	1.97
		Others	Malay	.122	.443	.959	-.93	1.17
			Indian	.667	1.108	.819	-1.97	3.30
	Tamhane	Malay	Indian	.545(*)	.147	.001	.19	.90
			Others	-.122	.404	.987	-1.21	.97
		Indian	Malay	-.545(*)	.147	.001	-.90	-.19
			Others	-.667	.376	.280	-1.72	.39
		Others	Malay	.122	.404	.987	-.97	1.21
			Indian	.667	.376	.280	-.39	1.72
Question 14- JAKIM must take action on all manufacturers who do not follow the Halal standard.	Tukey HSD	Malay	Indian					
				-.297	.658	.894	-1.86	1.27
			Others	1.703(*)	.281	.000	1.03	2.37
		Indian	Malay	.297	.658	.894	-1.27	1.86

			Others	2.000(*)	.704	.015	.33	3.67
			Others Malay	-1.703(*)	.281	.000	-2.37	-1.03
			Indian	-2.000(*)	.704	.015	-3.67	-.33
	Tamhane	Malay	Indian	-.297(*)	.079	.001	-.49	-.11
			Others	1.703(*)	.499	.016	.31	3.09
		Indian	Malay	.297(*)	.079	.001	.11	.49
			Others	2.000(*)	.492	.006	.62	3.38
		Others	Malay	-1.703(*)	.499	.016	-3.09	-.31
			Indian	-2.000(*)	.492	.006	-3.38	-.62
Question 15- My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Tukey HSD	Malay	Indian					
				-1.772	.838	.092	-3.76	.22
			Others	.894(*)	.359	.037	.04	1.75
		Indian	Malay	1.772	.838	.092	-.22	3.76
			Others	2.667(*)	.897	.010	.54	4.80
		Others	Malay	-.894(*)	.359	.037	-1.75	-.04
		Indian	Indian	-2.667(*)	.897	.010	-4.80	-.54
	Tamhane	Malay	Indian	-1.772(*)	.119	.000	-2.06	-1.48
			Others	.894(*)	.308	.032	.07	1.72
		Indian	Malay	1.772(*)	.119	.000	1.48	2.06
			Others	2.667(*)	.284	.000	1.87	3.47
		Others	Malay	-.894(*)	.308	.032	-1.72	-.07
			Indian	-2.667(*)	.284	.000	-3.47	-1.87
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Tukey HSD	Malay	Indian					
				-.772	.620	.429	-2.24	.70
			Others	1.894(*)	.265	.000	1.26	2.52
		Indian	Malay	.772	.620	.429	-.70	2.24
			Others	2.667(*)	.663	.000	1.09	4.24
		Others	Malay	-1.894(*)	.265	.000	-2.52	-1.26
			Indian	-2.667(*)	.663	.000	-4.24	-1.09
	Tamhane	Malay	Indian	-.772(*)	.085	.000	-.98	-.56
			Others	1.894(*)	.297	.000	1.08	2.71
		Indian	Malay	.772(*)	.085	.000	.56	.98
			Others	2.667(*)	.284	.000	1.87	3.47
		Others	Malay	-1.894(*)	.297	.000	-2.71	-1.08
			Indian	-2.667(*)	.284	.000	-3.47	-1.87
Question 17-I choose food and drink based on the	Tukey HSD	Malay	Indian					
				-.653	.546	.458	-1.95	.64

halal and not based on "taste" only	Tamhane	Malay	Others	.013	.234	.998	-.54	.57	
			Indian	Malay	.653	.546	.458	-.64	1.95
			Others	Others	.667	.584	.491	-.72	2.05
			Malay	Malay	-.013	.234	.998	-.57	.54
			Indian	Indian	-.667	.584	.491	-2.05	.72
			Indian	Indian	-.653(*)	.079	.000	-.85	-.46
			Others	Others	.013	.163	1.000	-.41	.44
			Malay	Malay	.653(*)	.079	.000	.46	.85
			Others	Others	.667(*)	.142	.002	.27	1.07
			Malay	Malay	-.013	.163	1.000	-.44	.41
			Indian	Indian	-.667(*)	.142	.002	-1.07	-.27
			Malay	Indian					
			Indian	Others	.053	.246	.975	-.53	.64
			Others	Malay	.614	.575	.536	-.75	1.98
			Others	Others	.667	.615	.526	-.79	2.13
Question 18-I am concern with the food that I take.	Tukey HSD	Malay	Indian						
			Others						
			Malay						
			Indian						
			Others						
			Malay						
			Indian						
			Others						
			Malay						
			Indian						
			Others						
			Malay						
			Indian						
			Others						
			Question 19-The ingredients of the food and drink are very important for consumers.	Tukey HSD	Malay	Indian			
Others									
Malay									
Indian									
Others									
Malay									
Indian									
Others									
Malay									
Indian									
Others									
Malay									
Indian									
Others									
Question 20-The expiry date of the product is important.	Tukey HSD	Malay				Indian			
			Others						
			Malay						
			Indian						
			Others						
			Malay						
			Indian						
			Others						
			Malay						
			Indian						
			Others						
			Malay						
			Indian						
			Others						

Question 21- Using preservative in food and drink product is acceptable.	Tamhane	Others	Others	1.333	.615	.081	-.13	2.80	
			Malay	-1.135(*)	.246	.000	-1.72	-.55	
			Indian	-1.333	.615	.081	-2.80	.13	
		Malay	Indian	-.198(*)	.055	.001	-.33	-.07	
		Indian	Others	1.135	.571	.200	-.46	2.74	
			Malay	.198(*)	.055	.001	.07	.33	
			Others	1.333	.569	.112	-.26	2.93	
	Others	Malay	-1.135	.571	.200	-2.74	.46		
		Indian	-1.333	.569	.112	-2.93	.26		
		Malay	Indian						
	Tukey HSD								
					-1.713	.825	.099	-3.67	.25
	Tamhane	Indian	Others	.620	.353	.188	-.22	1.46	
			Malay	1.713	.825	.099	-.25	3.67	
			Others	2.333(*)	.882	.025	.24	4.43	
		Others	Malay	-.620	.353	.188	-1.46	.22	
			Indian	-2.333(*)	.882	.025	-4.43	-.24	
Indian			-1.713(*)	.114	.000	-1.99	-1.44		
Malay		Others	.620	.393	.360	-.45	1.69		
		Malay	1.713(*)	.114	.000	1.44	1.99		
		Others	2.333(*)	.376	.000	1.28	3.39		
		Malay	-.620	.393	.360	-1.69	.45		
		Indian	-2.333(*)	.376	.000	-3.39	-1.28		

* The mean difference is significant at the .05 level.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Religion Are Significant Different Or Not.
Group Statistics

	Religion	N	Mean	Std. Deviation	Std. Error Mean
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Islam	111	4.64	.585	.055
	Christian	4	1.00	.000	.000
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Islam	111	4.67	.730	.069
	Christian	4	1.00	.000	.000
Question 10-The method of manufacturing is also important in the determining the halal status.	Islam	111	4.78	.435	.041
	Christian	4	1.00	.000	.000
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Islam	111	4.77	.485	.046
	Christian	4	1.00	.000	.000
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Islam	111	4.29	1.074	.102
	Christian	4	1.00	.000	.000
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Islam	111	2.60	1.435	.136
	Christian	4	1.00	.000	.000
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Islam	111	4.66	.826	.078
	Christian	4	1.00	.000	.000
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Islam	111	3.24	1.169	.111
	Christian	4	1.00	.000	.000
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Islam	111	4.15	.886	.084
	Christian	4	1.00	.000	.000
Question 17-I choose food and drink based on the halal andnot based on "taste" only	Islam	111	4.33	.767	.073
	Christian	4	5.00	.000	.000
Question 18-I am concern with the food that I take.	Islam	111	4.37	.808	.077
	Christian	4	5.00	.000	.000

Question 19-The ingredients of the food and drink are very important for consumers.	Islam	111	4.75	.579	.055
	Christian	4	1.00	.000	.000
Question 20-The expiry date of the product is important.	Islam	111	4.82	.526	.050
	Christian	4	1.00	.000	.000
Question 21-Using preservative in food and drink product is acceptable.	Islam	111	3.33	1.123	.107
	Christian	4	1.00	.000	.000

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower		Upper
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Equal variances assumed	10.064	.002	12.400	113	.000	3.640	.294	3.058	4.221
	Equal variances not assumed			65.600	110.000	.000	3.640	.055	3.530	3.750
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Equal variances assumed	4.006	.048	9.999	113	.000	3.667	.367	2.940	4.393
	Equal variances not assumed			52.897	110.000	.000	3.667	.069	3.529	3.804
Question 10-The method of manufacturing is also important in the determining the halal status.	Equal variances assumed	6.604	.011	17.325	113	.000	3.784	.218	3.351	4.216
	Equal variances not assumed			91.652	110.000	.000	3.784	.041	3.702	3.866
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Equal variances assumed	5.678	.019	15.453	113	.000	3.766	.244	3.283	4.249

	Equal variances not assumed			81.748	110.000	.000	3.766	.046	3.674	3.857
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Equal variances assumed	7.183	.008	6.100	113	.000	3.288	.539	2.220	4.356
	Equal variances not assumed			32.271	110.000	.000	3.288	.102	3.086	3.490
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Equal variances assumed	13.568	.000	2.225	113	.028	1.604	.721	.176	3.031
	Equal variances not assumed			11.772	110.000	.000	1.604	.136	1.334	1.874
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Equal variances assumed	3.297	.072	8.822	113	.000	3.658	.415	2.836	4.479
	Equal variances not assumed			46.672	110.000	.000	3.658	.078	3.502	3.813
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Equal variances assumed	8.899	.003	3.820	113	.000	2.243	.587	1.080	3.407
	Equal variances not assumed			20.210	110.000	.000	2.243	.111	2.023	2.463
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Equal variances assumed	6.778	.010	7.086	113	.000	3.153	.445	2.272	4.035
	Equal variances not assumed			37.485	110.000	.000	3.153	.084	2.986	3.320
Question 17-I choose food and drink based on the halal and not based on "taste" only	Equal variances assumed	8.986	.003	-1.732	113	.086	-.667	.385	-1.429	.096

	Equal variances not assumed			-9.161	110.000	.000	-.667	.073	-.811	-.522
Question 18-I am concerned with the food that I take.	Equal variances assumed	7.236	.008	-1.554	113	.123	-.631	.406	-1.435	.173
	Equal variances not assumed			-8.221	110.000	.000	-.631	.077	-.783	-.479
Question 19-The ingredients of the food and drink are very important for consumers.	Equal variances assumed	3.639	.059	12.880	113	.000	3.748	.291	3.171	4.324
	Equal variances not assumed			68.139	110.000	.000	3.748	.055	3.639	3.857
Question 20-The expiry date of the product is important.	Equal variances assumed	2.092	.151	14.472	113	.000	3.820	.264	3.297	4.343
	Equal variances not assumed			76.558	110.000	.000	3.820	.050	3.721	3.919
Question 21-Using preservative in food and drink product is acceptable.	Equal variances assumed	9.705	.002	4.139	113	.000	2.333	.564	1.216	3.450
	Equal variances not assumed			21.895	110.000	.000	2.333	.107	2.122	2.545

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Marital Status Are Significant Different Or Not.
Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	14.010	2	185	.000
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	15.857	2	185	.000
Question 10-The method of manufacturing is also important in the determining the halal status.	2.737	2	185	.067
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	8.293	2	185	.000
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	6.239	2	185	.002
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	5.415	2	185	.005
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	8.890	2	185	.000
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	3.655	2	185	.028
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	11.243	2	185	.000
Question 17-I choose food and drink based on the halal andnot based on "taste" only	5.404	2	185	.005
Question 18-I am concern with the food that I take.	9.680	2	185	.000
Question 19-The ingredients of the food and drink are very important for consumers.	3.392	2	185	.036
Question 20-The expiry date of the product is important.	1.668	2	185	.191
Question 21-Using preservative in food and drink product is acceptable.	3.610	2	185	.029

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Between Groups	40.291	2	20.145	56.412	.000
	Within Groups	66.065	185	.357		

	Total	106.356	187			
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Between Groups	43.901	2	21.951	64.033	.000
	Within Groups	63.418	185	.343		
	Total	107.319	187			
Question 10-The method of manufacturing is also important in the determining the halal status.	Between Groups	42.865	2	21.433	120.595	.000
	Within Groups	32.879	185	.178		
	Total	75.745	187			
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Between Groups	42.382	2	21.191	87.240	.000
	Within Groups	44.937	185	.243		
	Total	87.319	187			
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Between Groups	34.883	2	17.441	15.608	.000
	Within Groups	206.734	185	1.117		
	Total	241.617	187			
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Between Groups	7.464	2	3.732	1.802	.168
	Within Groups	383.196	185	2.071		
	Total	390.660	187			
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Between Groups	42.350	2	21.175	41.735	.000
	Within Groups	93.863	185	.507		
	Total	136.213	187			
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Between Groups	17.134	2	8.567	6.226	.002
	Within Groups	254.568	185	1.376		
	Total	271.702	187			
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Between Groups	31.783	2	15.892	24.901	.000
	Within Groups	118.068	185	.638		
	Total	149.851	187			

Question 17-I choose food and drink based on the halal and not based on "taste" only	Between Groups	3.680	2	1.840	2.896	.058
	Within Groups	117.528	185	.635		
	Total	121.207	187			
Question 18-I am concern with the food that I take.	Between Groups	1.571	2	.786	1.372	.256
	Within Groups	105.892	185	.572		
	Total	107.463	187			
Question 19-The ingredients of the food and drink are very important for consumers.	Between Groups	41.826	2	20.913	58.041	.000
	Within Groups	66.658	185	.360		
	Total	108.484	187			
Question 20-The expiry date of the product is important.	Between Groups	42.756	2	21.378	68.814	.000
	Within Groups	57.473	185	.311		
	Total	100.229	187			
Question 21-Using preservative in food and drink product is acceptable.	Between Groups	17.715	2	8.858	7.015	.001
	Within Groups	233.604	185	1.263		
	Total	251.319	187			

Multiple Comparisons

Dependent Variable		(I) Marital Status	(J) Marital Status	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
							Lower Bound	Upper Bound
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Tukey HSD	Married	Single	.289	.133	.079	-.03	.60
			Divorced	3.870(*)	.367	.000	3.00	4.74
		Single	Married	-.289	.133	.079	-.60	.03
			Divorced	3.580(*)	.348	.000	2.76	4.40
		Divorced	Married	-3.870(*)	.367	.000	-4.74	-3.00
			Single	-3.580(*)	.348	.000	-4.40	-2.76
	Tamhane	Married	Single	.289(*)	.087	.005	.07	.51
			Divorced	3.870(*)	.072	.000	3.68	4.06
		Single	Married	-.289(*)	.087	.005	-.51	-.07
			Divorced	3.580(*)	.049	.000	3.46	3.70
		Divorced	Married	-3.870(*)	.072	.000	-4.06	-3.68
			Single	-3.580(*)	.049	.000	-3.70	-3.46
Question 9-All food and other consumer products must get the halal's verification from	Tukey HSD	Married	Single	-.324(*)	.130	.037	-.63	-.02

JAKIM.									
Question 10-The method of manufacturing is also important in the determining the halal status.	Tamhane	Single	Divorced	3.478(*)	.359	.000	2.63	4.33	
			Married	.324(*)	.130	.037	.02	.63	
		Divorced	Divorced	3.802(*)	.341	.000	3.00	4.61	
			Married	-3.478(*)	.359	.000	-4.33	-2.63	
		Married	Single	-3.802(*)	.341	.000	-4.61	-3.00	
			Single	-.324	.245	.486	-.96	.31	
	Tukey HSD	Single	Divorced	3.478(*)	.242	.000	2.85	4.10	
			Married	.324	.245	.486	-.31	.96	
		Divorced	Divorced	3.802(*)	.036	.000	3.72	3.89	
			Married	-3.478(*)	.242	.000	-4.10	-2.85	
		Married	Single	-3.802(*)	.036	.000	-3.89	-3.72	
			Single	-.076	.094	.700	-.30	.15	
Question 11- Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Tamhane	Single	Divorced	3.739(*)	.259	.000	3.13	4.35	
			Married	.076	.094	.700	-.15	.30	
		Divorced	Divorced	3.815(*)	.246	.000	3.23	4.40	
			Married	-3.739(*)	.259	.000	-4.35	-3.13	
		Married	Single	-3.815(*)	.246	.000	-4.40	-3.23	
			Single	-.076	.099	.836	-.33	.18	
	Tukey HSD	Single	Divorced	3.739(*)	.094	.000	3.50	3.98	
			Married	.076	.099	.836	-.18	.33	
		Divorced	Divorced	3.815(*)	.033	.000	3.74	3.89	
			Married	-3.739(*)	.094	.000	-3.98	-3.50	
		Married	Single	-3.815(*)	.033	.000	-3.89	-3.74	
			Single	.172	.110	.262	-.09	.43	
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Tamhane	Single	Divorced	3.913(*)	.303	.000	3.20	4.63	
			Married	-.172	.110	.262	-.43	.09	
		Divorced	Divorced	3.741(*)	.287	.000	3.06	4.42	
			Married	-3.913(*)	.303	.000	-4.63	-3.20	
		Married	Single	-3.741(*)	.287	.000	-4.42	-3.06	
			Single	.172	.073	.064	-.01	.35	
	Tukey HSD	Single	Divorced	3.913(*)	.060	.000	3.76	4.07	
			Married	-.172	.073	.064	-.35	.01	
		Divorced	Divorced	3.741(*)	.041	.000	3.64	3.84	
			Married	-3.913(*)	.060	.000	-4.07	-3.76	
		Married	Single	-3.741(*)	.041	.000	-3.84	-3.64	
			Single	-.327	.236	.349	-.88	.23	
		Divorced	3.043(*)	.649	.000	1.51	4.58		

Question 13- Beside JAKIM, private company can be authorized to produce the Halal's logo.	Tamhane	Single	Married	.327	.236	.349	-.23	.88
		Divorced	Divorced	3.370(*)	.616	.000	1.92	4.83
			Married	-3.043(*)	.649	.000	-4.58	-1.51
		Married	Single	-3.370(*)	.616	.000	-4.83	-1.92
			Single	-.327	.295	.625	-1.08	.43
		Divorced	Divorced	3.043(*)	.285	.000	2.31	3.78
	Married		.327	.295	.625	-.43	1.08	
	Tukey HSD	Divorced	Divorced	3.370(*)	.080	.000	3.18	3.56
			Married	-3.043(*)	.285	.000	-3.78	-2.31
		Married	Single	-3.370(*)	.080	.000	-3.56	-3.18
			Single	-.102	.321	.946	-.86	.66
		Tamhane	Divorced	Divorced	1.478	.883	.218	-.61
Married				.102	.321	.946	-.66	.86
Divorced	Divorced		1.580	.839	.146	-.40	3.56	
	Married		-1.478	.883	.218	-3.57	.61	
Married	Single		-1.580	.839	.146	-3.56	.40	
	Single		-.102	.350	.988	-.99	.79	
Tukey HSD	Divorced	Divorced	1.478(*)	.332	.001	.62	2.34	
		Married	.102	.350	.988	-.79	.99	
	Divorced	Divorced	1.580(*)	.112	.000	1.31	1.85	
		Married	-1.478(*)	.332	.001	-2.34	-.62	
	Married	Single	-1.580(*)	.112	.000	-1.85	-1.31	
		Single	-.275	.159	.196	-.65	.10	
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Tamhane	Divorced	Divorced	3.478(*)	.437	.000	2.45	4.51
			Married	.275	.159	.196	-.10	.65
		Divorced	Divorced	3.753(*)	.415	.000	2.77	4.73
			Married	-3.478(*)	.437	.000	-4.51	-2.45
		Married	Single	-3.753(*)	.415	.000	-4.73	-2.77
			Single	-.275	.270	.684	-.97	.42
	Tukey HSD	Divorced	Divorced	3.478(*)	.266	.000	2.79	4.16
			Married	.275	.270	.684	-.42	.97
		Divorced	Divorced	3.753(*)	.047	.000	3.64	3.87
			Married	-3.478(*)	.266	.000	-4.16	-2.79
		Married	Single	-3.753(*)	.047	.000	-3.87	-3.64
			Single	-.309	.261	.466	-.93	.31
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Single	Divorced	2.000(*)	.720	.017	.30	3.70	
		Married	.309	.261	.466	-.31	.93	
		Divorced	2.309(*)	.684	.003	.69	3.92	

Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Tamhane	Divorced	Married	-2.000(*)	.720	.017	-3.70	-.30	
			Single	-2.309(*)	.684	.003	-3.92	-.69	
		Married	Single	-.309	.282	.632	-1.03	.41	
			Divorced	2.000(*)	.267	.000	1.31	2.69	
		Single	Married	.309	.282	.632	-.41	1.03	
	Tukey HSD	Divorced	Married	2.309(*)	.092	.000	2.09	2.53	
			Single	-2.000(*)	.267	.000	-2.69	-1.31	
		Married	Single	-2.309(*)	.092	.000	-2.53	-2.09	
			Single	Single					
					-.216	.178	.447	-.64	.20
Question 17-I choose food and drink based on the halal andnot based on "taste" only	Tamhane	Single	Divorced	3.043(*)	.490	.000	1.88	4.20	
			Married	.216	.178	.447	-.20	.64	
		Divorced	Divorced	3.259(*)	.465	.000	2.16	4.36	
			Married	-3.043(*)	.490	.000	-4.20	-1.88	
		Married	Single	-3.259(*)	.465	.000	-4.36	-2.16	
	Tukey HSD	Divorced	Married	3.043(*)	.263	.000	2.36	3.72	
			Single	.216	.269	.815	-.47	.91	
		Married	Divorced	3.259(*)	.056	.000	3.12	3.40	
			Married	-3.043(*)	.263	.000	-3.72	-2.36	
		Single	Single	-3.259(*)	.056	.000	-3.40	-3.12	
				.337	.178	.142	-.08	.76	
	Question 18-I am concern with the food that I take.	Tamhane	Single	Divorced	-.391	.489	.704	-1.55	.76
				Married	-.337	.178	.142	-.76	.08
			Divorced	Divorced	-.728	.464	.262	-1.83	.37
				Married	.391	.489	.704	-.76	1.55
Married			Single	.728	.464	.262	-.37	1.83	
Tukey HSD		Divorced	Married	.337(*)	.123	.027	.03	.64	
			Single	-3.391(*)	.104	.003	-.66	-.12	
		Married	Divorced	-3.337(*)	.123	.027	-.64	-.03	
			Divorced	-.728(*)	.066	.000	-.89	-.57	
		Divorced	Married	.391(*)	.104	.003	.12	.66	
Tukey HSD	Married	Single	.728(*)	.066	.000	.57	.89		
		Single	Single						
	Single	Divorced	-.739	.464	.252	-1.84	.36		
		Married	.159	.169	.614	-.24	.56		
	Divorced	Divorced	-.580	.441	.388	-1.62	.46		
Married		.739	.464	.252	-.36	1.84			
Tamhane	Married	Single	.580	.441	.388	-.46	1.62		
			Single	-.159	.266	.912	-.84	.52	
			Divorced	-.739(*)	.261	.029	-1.41	-.07	

Question 19-The ingredients of the food and drink are very important for consumers.	Tukey HSD	Single	Married	.159	.266	.912	-.52	.84	
			Divorced	-.580(*)	.052	.000	-.71	-.45	
		Divorced	Married	.739(*)	.261	.029	.07	1.41	
			Single	.580(*)	.052	.000	.45	.71	
		Married	Single						
				.141	.134	.543	-.17	.46	
Question 20-The expiry date of the product is important.	Tukey HSD		Divorced	3.870(*)	.368	.000	3.00	4.74	
		Single	Married	-.141	.134	.543	-.46	.17	
			Divorced	3.728(*)	.350	.000	2.90	4.55	
		Divorced	Married	-3.870(*)	.368	.000	-4.74	-3.00	
			Single	-3.728(*)	.350	.000	-4.55	-2.90	
		Tamhane	Married	Single	.141	.087	.301	-.07	.36
Question 21-Using preservative in food and drink product is acceptable.	Tukey HSD		Divorced	3.870(*)	.342	.000	3.06	4.68	
		Single	Married	-.079	.124	.798	-.37	.21	
			Divorced	3.790(*)	.325	.000	3.02	4.56	
		Divorced	Married	-3.870(*)	.342	.000	-4.68	-3.06	
			Single	-3.790(*)	.325	.000	-4.56	-3.02	
		Tamhane	Married	Single	.079	.085	.733	-.13	.29
Question 21-Using preservative in food and drink product is acceptable.	Tukey HSD	Married	Single						
				-.283	.250	.496	-.88	.31	
Question 21-Using preservative in food and drink product is acceptable.	Tamhane		Divorced	2.087(*)	.690	.008	.46	3.72	
		Single	Married	.283	.250	.496	-.31	.88	
			Divorced	2.370(*)	.655	.001	.82	3.92	
		Divorced	Married	-2.087(*)	.690	.008	-3.72	-.46	
			Single	-2.370(*)	.655	.001	-3.92	-.82	
		Married	Single	-.283	.266	.650	-.96	.39	
Question 21-Using preservative in food and drink product is acceptable.	Tukey HSD		Divorced	2.087(*)	.251	.000	1.44	2.73	
		Single	Married	.283	.266	.650	-.39	.96	
			Divorced	2.370(*)	.088	.000	2.16	2.58	
		Divorced	Married	-2.087(*)	.251	.000	-2.73	-1.44	
			Single	-2.370(*)	.088	.000	-2.58	-2.16	

* The mean difference is significant at the .05 level.

To Determine Whether Perceptions On The Halal Logo And Ingredients Between Age Are Significant Different Or Not.
Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	12.859	3	294	.000
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	40.470	3	294	.000
Question 10-The method of manufacturing is also important in the determining the halal status.	29.458	3	294	.000
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	8.443	3	294	.000
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	19.055	3	294	.000
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	1.393	3	294	.245
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	52.110	3	294	.000
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	9.857	3	294	.000
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	13.871	3	294	.000
Question 17-I choose food and drink based on the halal and not based on "taste" only	8.083	3	294	.000
Question 18-I am concern with the food that I take.	5.564	3	294	.001
Question 19-The ingredients of the food and drink are very important for consumers.	9.540	3	294	.000
Question 20-The expiry date of the product is important.	3.211	3	294	.023
Question 21-Using preservative in food and drink product is acceptable.	.025	3	294	.995

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Between Groups	5.966	3	1.989	3.995	.008
	Within Groups	146.330	294	.498		

	Total	152.295	297			
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Between Groups	27.172	3	9.057	11.800	.000
	Within Groups	225.673	294	.768		
	Total	252.846	297			
Question 10-The method of manufacturing is also important in the determining the halal status.	Between Groups	10.508	3	3.503	9.083	.000
	Within Groups	113.375	294	.386		
	Total	123.883	297			
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Between Groups	2.365	3	.788	1.829	.142
	Within Groups	126.739	294	.431		
	Total	129.104	297			
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Between Groups	24.645	3	8.215	5.824	.001
	Within Groups	414.674	294	1.410		
	Total	439.319	297			
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Between Groups	13.021	3	4.340	1.978	.117
	Within Groups	645.143	294	2.194		
	Total	658.164	297			
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Between Groups	28.793	3	9.598	9.795	.000
	Within Groups	288.082	294	.980		
	Total	316.876	297			

Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Between Groups					
		11.118	3	3.706	2.498	.060
	Within Groups	436.241	294	1.484		
	Total	447.359	297			
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Between Groups					
		18.390	3	6.130	6.176	.000
	Within Groups	291.788	294	.992		
	Total	310.178	297			
Question 17-I choose food and drink based on the halal and not based on "taste" only	Between Groups					
		6.837	3	2.279	4.277	.006
	Within Groups	156.643	294	.533		
	Total	163.480	297			
Question 18-I am concern with the food that I take.	Between Groups					
		6.475	3	2.158	2.969	.032
	Within Groups	213.757	294	.727		
	Total	220.232	297			
Question 19-The ingredients of the food and drink are very important for consumers.	Between Groups					
		3.396	3	1.132	2.052	.107
	Within Groups	162.205	294	.552		
	Total	165.601	297			
Question 20-The expiry date of the product is important.	Between Groups					
		1.066	3	.355	.752	.522
	Within Groups	138.870	294	.472		
	Total	139.936	297			
Question 21-Using preservative in food and drink product is acceptable.	Between Groups					
		41.342	3	13.781	11.164	.000
	Within Groups	362.913	294	1.234		
	Total	404.255	297			

Multiple Comparisons

Dependent Variable	(I) Age	(J) Age	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval
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							Lower Bound	Upper Bound	
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Tukey HSD	18-21	22=25						
			26-29						
		22=25	Above 30						
			18-21						
			26-29						
		26-29	Above 30						
			18-21						
			22=25						
		Above 30	Above 30						
			18-21						
	22=25								
	Tamhane	18-21	22=25						
			26-29						
		22=25	Above 30						
			18-21						
			26-29						
		26-29	Above 30						
			18-21						
			22=25						
		Above 30	Above 30						
18-21									
22=25									
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Tukey HSD	18-21	22=25						
			26-29						
		22=25	Above 30						
			18-21						
			26-29						
		26-29	Above 30						
			18-21						
			22=25						
		Above 30	Above 30						
			18-21						
22=25									

Question 10-The method of manufacturing is also important in the determining the halal status.	Tamhane	Above 30	18-21	-.464(*)	.114	.000	-.76	-.17
			22=25	-.636(*)	.168	.001	-1.07	-.20
			26-29	.364	.197	.256	-.15	.87
		18-21	22=25	-.172(*)	.037	.000	-.27	-.07
			26-29	.828	.297	.060	-.02	1.68
			Above 30	.464(*)	.120	.001	.14	.78
		22=25	18-21	.172(*)	.037	.000	.07	.27
			26-29	1.000(*)	.295	.015	.15	1.85
			Above 30	.636(*)	.114	.000	.33	.94
		26-29	18-21	-.828	.297	.060	-1.68	.02
			22=25	-1.000(*)	.295	.015	-1.85	-.15
			Above 30	-.364	.316	.834	-1.25	.53
	Tukey HSD	Above 30	18-21	-.464(*)	.120	.001	-.78	-.14
			22=25	-.636(*)	.114	.000	-.94	-.33
			26-29	.364	.316	.834	-.53	1.25
		18-21	22=25					
				-.219	.117	.244	-.52	.08
			26-29	-.219	.138	.390	-.58	.14
			Above 30	.281(*)	.081	.003	.07	.49
		22=25	18-21	.219	.117	.244	-.08	.52
			26-29	.000	.164	1.000	-.42	.42
			Above 30	.500(*)	.119	.000	.19	.81
		26-29	18-21	.219	.138	.390	-.14	.58
			22=25	.000	.164	1.000	-.42	.42
	Tamhane	Above 30	18-21	-.281(*)	.081	.003	-.49	-.07
			22=25	-.500(*)	.119	.000	-.81	-.19
			26-29	-.500(*)	.140	.002	-.86	-.14
		18-21	22=25	-.219(*)	.040	.000	-.33	-.11
			26-29	-.219(*)	.040	.000	-.33	-.11
			Above 30	.281(*)	.094	.020	.03	.53
		22=25	18-21	.219(*)	.040	.000	.11	.33
			26-29	.000	.000	.	.00	.00
			Above 30	.500(*)	.085	.000	.27	.73
		26-29	18-21	.219(*)	.040	.000	.11	.33
			22=25	.000	.000	.	.00	.00
			Above 30	.500(*)	.085	.000	.27	.73
	Above 30	18-21	-.281(*)	.094	.020	-.53	-.03	

Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Tukey HSD	18-21	22=25	-.500(*)	.085	.000	-.73	-.27
			26-29	-.500(*)	.085	.000	-.73	-.27
		22=25	22=25	-.115	.124	.791	-.43	.21
			26-29	-.281	.146	.219	-.66	.10
		22=25	Above 30	.037	.085	.973	-.18	.26
			18-21	.115	.124	.791	-.21	.43
		26-29	26-29	-.167	.173	.770	-.61	.28
			Above 30	.152	.126	.626	-.17	.48
		26-29	18-21	.281	.146	.219	-.10	.66
			22=25	.167	.173	.770	-.28	.61
	Above 30	Above 30	.318	.148	.140	-.06	.70	
		18-21	-.037	.085	.973	-.26	.18	
	Tamhane	18-21	22=25	-.152	.126	.626	-.48	.17
			26-29	-.318	.148	.140	-.70	.06
		22=25	22=25	-.115	.079	.630	-.33	.10
			26-29	-.281(*)	.048	.000	-.41	-.15
		22=25	Above 30	.037	.097	.999	-.22	.29
			18-21	.115	.079	.630	-.10	.33
		26-29	26-29	-.167	.063	.071	-.34	.01
			Above 30	.152	.105	.623	-.13	.43
26-29		18-21	.281(*)	.048	.000	.15	.41	
		22=25	.167	.063	.071	-.01	.34	
Above 30	Above 30	.318(*)	.084	.001	.09	.54		
	18-21	-.037	.097	.999	-.29	.22		
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Tukey HSD	18-21	22=25	-.152	.105	.623	-.43	.13
			26-29	-.318(*)	.084	.001	-.54	-.09
		22=25	22=25	.521	.224	.095	-.06	1.10
			26-29	-.229	.264	.822	-.91	.45
		22=25	Above 30	.528(*)	.154	.004	.13	.93
	18-21		-.521	.224	.095	-1.10	.06	
	Tukey HSD	26-29	26-29	-.750	.313	.080	-1.56	.06
			Above 30	.008	.228	1.000	-.58	.60
		26-29	18-21	.229	.264	.822	-.45	.91
			22=25	.750	.313	.080	-.06	1.56
Above 30		.758(*)	.268	.025	.07	1.45		

		Above 30	18-21	-.528(*)	.154	.004	-.93	-.13
			22=25	-.008	.228	1.000	-.60	.58
			26-29	-.758(*)	.268	.025	-1.45	-.07
	Tamhane	18-21	22=25	.521	.258	.262	-.19	1.23
			26-29	-.229	.129	.400	-.58	.12
		Above 30		.528(*)	.159	.007	.10	.95
		22=25	18-21	-.521	.258	.262	-1.23	.19
			26-29	-.750(*)	.263	.038	-1.47	-.03
		Above 30		.008	.279	1.000	-.75	.77
		26-29	18-21	.229	.129	.400	-.12	.58
			22=25	.750(*)	.263	.038	.03	1.47
		Above 30		.758(*)	.167	.000	.31	1.21
		Above 30	18-21	-.528(*)	.159	.007	-.95	-.10
			22=25	-.008	.279	1.000	-.77	.75
			26-29	-.758(*)	.167	.000	-1.21	-.31
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Tukey HSD	18-21	22=25	.245	.279	.817	-.48	.97
			26-29	-.589	.330	.282	-1.44	.26
		Above 30		.169	.193	.816	-.33	.67
		22=25	18-21	-.245	.279	.817	-.97	.48
			26-29	-.833	.390	.145	-1.84	.18
		Above 30		-.076	.284	.993	-.81	.66
		26-29	18-21	.589	.330	.282	-.26	1.44
			22=25	.833	.390	.145	-.18	1.84
		Above 30		.758	.334	.107	-.10	1.62
		Above 30	18-21	-.169	.193	.816	-.67	.33
			22=25	.076	.284	.993	-.66	.81
			26-29	-.758	.334	.107	-1.62	.10
	Tamhane	18-21	22=25	.245	.281	.947	-.52	1.01
			26-29	-.589	.371	.546	-1.63	.46
		Above 30		.169	.190	.940	-.33	.67
		22=25	18-21	-.245	.281	.947	-1.01	.52
			26-29	-.833	.431	.307	-2.02	.35
		Above 30		-.076	.290	1.000	-.86	.71
		26-29	18-21	.589	.371	.546	-.46	1.63
			22=25	.833	.431	.307	-.35	2.02
		Above 30		.758	.378	.281	-.30	1.82
		Above 30	18-21	-.169	.190	.940	-.67	.33

Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Tukey HSD	18-21	22=25	.076	.290	1.000	-.71	.86
			26-29	-.758	.378	.281	-1.82	.30
		22=25	22=25	-.182	.187	.763	-.66	.30
			26-29	-.266	.220	.623	-.83	.30
		22=25	Above 30	.553(*)	.129	.000	.22	.89
			18-21	.182	.187	.763	-.30	.66
		26-29	26-29	-.083	.261	.989	-.76	.59
			Above 30	.735(*)	.190	.001	.24	1.23
		26-29	18-21	.266	.220	.623	-.30	.83
			22=25	.083	.261	.989	-.59	.76
	Tamhane	Above 30	Above 30	.818(*)	.223	.002	.24	1.39
			18-21	-.553(*)	.129	.000	-.89	-.22
		22=25	22=25	-.735(*)	.190	.001	-1.23	-.24
			26-29	-.818(*)	.223	.002	-1.39	-.24
		18-21	22=25	-.182	.072	.073	-.37	.01
			26-29	-.266(*)	.055	.000	-.41	-.12
		22=25	Above 30	.553(*)	.151	.002	.15	.95
			18-21	.182	.072	.073	-.01	.37
		26-29	26-29	-.083	.047	.406	-.21	.05
			Above 30	.735(*)	.148	.000	.34	1.13
26-29	18-21	.266(*)	.055	.000	.12	.41		
	22=25	.083	.047	.406	-.05	.21		
Above 30	Above 30	.818(*)	.140	.000	.44	1.19		
	18-21	-.553(*)	.151	.002	-.95	-.15		
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Tukey HSD	18-21	22=25	-.735(*)	.148	.000	-1.13	-.34
			26-29	-.818(*)	.140	.000	-1.19	-.44
	Tukey HSD	18-21	22=25	.359	.230	.401	-.23	.95
			26-29	.359	.271	.547	-.34	1.06
	22=25	Above 30	.405	.158	.054	.00	.81	
		18-21	-.359	.230	.401	-.95	.23	
	26-29	26-29	.000	.321	1.000	-.83	.83	
		Above 30	.045	.234	.997	-.56	.65	
	26-29	18-21	-.359	.271	.547	-1.06	.34	
		22=25	.000	.321	1.000	-.83	.83	

			Above 30	.045	.274	.998	- .66	.75
		Above 30	18-21	-.405	.158	.054	-.81	.00
			22=25	-.045	.234	.997	-.65	.56
			26-29	-.045	.274	.998	-.75	.66
	Tamhane	18-21	22=25	.359	.241	.603	-.30	1.02
			26-29	.359	.159	.151	-.07	.79
			Above 30	.405	.164	.083	-.03	.84
		22=25	18-21	-.359	.241	.603	-1.02	.30
			26-29	.000	.249	1.000	-.68	.68
			Above 30	.045	.253	1.000	-.64	.73
		26-29	18-21	-.359	.159	.151	-.79	.07
			22=25	.000	.249	1.000	-.68	.68
			Above 30	.045	.175	1.000	-.43	.52
		Above 30	18-21	-.405	.164	.083	-.84	.03
			22=25	-.045	.253	1.000	-.73	.64
			26-29	-.045	.175	1.000	-.52	.43
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Tukey HSD	18-21	22=25					
				-.021	.188	1.000	-.51	.46
			26-29	.646(*)	.222	.020	.07	1.22
			Above 30	.449(*)	.130	.003	.11	.78
		22=25	18-21	.021	.188	1.000	-.46	.51
			26-29	.667	.263	.056	-.01	1.34
			Above 30	.470	.191	.069	-.02	.96
		26-29	18-21	-.646(*)	.222	.020	-1.22	-.07
			22=25	-.667	.263	.056	-1.34	.01
			Above 30	-.197	.224	.816	-.78	.38
		Above 30	18-21	-.449(*)	.130	.003	-.78	-.11
			22=25	-.470	.191	.069	-.96	.02
			26-29	.197	.224	.816	-.38	.78
	Tamhane	18-21	22=25	-.021	.141	1.000	-.41	.36
			26-29	.646	.293	.203	-.19	1.48
			Above 30	.449(*)	.132	.005	.10	.80
		22=25	18-21	.021	.141	1.000	-.36	.41
			26-29	.667	.313	.222	-.21	1.54
			Above 30	.470(*)	.172	.043	.01	.93

Question 17-I choose food and drink based on the halal and not based on "taste" only	Tukey HSD	26-29	18-21	-.646	.293	.203	-1.48	.19		
			22=25	-.667	.313	.222	-1.54	.21		
			Above 30	-.197	.309	.989	-1.07	.67		
		Above 30	18-21	-.449(*)	.132	.005	-.80	-.10		
			22=25	-.470(*)	.172	.043	-.93	-.01		
			26-29	.197	.309	.989	-.67	1.07		
			18-21							
			22=25	-.036	.138	.993	-.39	.32		
			26-29	.130	.162	.853	-.29	.55		
			Above 30	-.294(*)	.095	.011	-.54	-.05		
		22=25	18-21	.036	.138	.993	-.32	.39		
			26-29	.167	.192	.822	-.33	.66		
			Above 30	-.258	.140	.258	-.62	.10		
		26-29	18-21	-.130	.162	.853	-.55	.29		
			22=25	-.167	.192	.822	-.66	.33		
			Above 30	-.424	.164	.051	-.85	.00		
		Above 30	18-21	.294(*)	.095	.011	.05	.54		
			22=25	.258	.140	.258	-.10	.62		
		Question 18-I am concern with the food that I take.	Tamhane		26-29	.424	.164	.051	.00	.85
				18-21	22=25	-.036	.175	1.000	-.52	.44
	26-29			.130	.161	.963	-.32	.58		
	Above 30			-.294(*)	.087	.005	-.52	-.06		
22=25	18-21			.036	.175	1.000	-.44	.52		
	26-29			.167	.214	.969	-.42	.75		
	Above 30			-.258	.166	.563	-.72	.20		
26-29	18-21			-.130	.161	.963	-.58	.32		
	22=25			-.167	.214	.969	-.75	.42		
	Above 30			-.424	.151	.052	-.85	.00		
Above 30	18-21			.294(*)	.087	.005	.06	.52		
	22=25			.258	.166	.563	-.20	.72		
Question 18-I am concern with the food that I take.	Tukey HSD	18-21	26-29	.424	.151	.052	.00	.85		
			22=25	-.255	.161	.388	-.67	.16		
			26-29	-.505(*)	.190	.040	-1.00	-.02		
			Above 30	-.036	.111	.989	-.32	.25		
		22=25	18-21	.255	.161	.388	-.16	.67		
			26-29	-.250	.225	.682	-.83	.33		
			Above 30	.220	.164	.537	-.20	.64		
		26-29	18-21	.505(*)	.190	.040	.02	1.00		

			22=25	.250	.225	.682	-.33	.83
			Above 30	.470	.192	.071	-.03	.97
		Above 30	18-21	.036	.111	.989	-.25	.32
			22=25	-.220	.164	.537	-.64	.20
			26-29	-.470	.192	.071	-.97	.03
	Tamhane	18-21	22=25	-.255	.129	.274	-.60	.09
			26-29	-.505(*)	.105	.000	-.79	-.22
			Above 30	-.036	.121	1.000	-.36	.29
		22=25	18-21	.255	.129	.274	-.09	.60
			26-29	-.250	.133	.335	-.61	.11
			Above 30	.220	.146	.584	-.17	.61
		26-29	18-21	.505(*)	.105	.000	.22	.79
			22=25	.250	.133	.335	-.11	.61
			Above 30	.470(*)	.125	.002	.13	.81
		Above 30	18-21	.036	.121	1.000	-.29	.36
			22=25	-.220	.146	.584	-.61	.17
			26-29	-.470(*)	.125	.002	-.81	-.13
Question 19-The ingredients of the food and drink are very important for consumers.	Tukey HSD	18-21	22=25	.167	.140	.634	-.20	.53
			26-29	-.250	.165	.431	-.68	.18
			Above 30	.114	.097	.642	-.14	.36
		22=25	18-21	-.167	.140	.634	-.53	.20
			26-29	-.417	.196	.146	-.92	.09
			Above 30	-.053	.143	.982	-.42	.32
		26-29	18-21	.250	.165	.431	-.18	.68
			22=25	.417	.196	.146	-.09	.92
			Above 30	.364	.167	.133	-.07	.80
		Above 30	18-21	-.114	.097	.642	-.36	.14
			22=25	.053	.143	.982	-.32	.42
			26-29	-.364	.167	.133	-.80	.07
	Tamhane	18-21	22=25	.167	.194	.951	-.37	.70
			26-29	-.250(*)	.044	.000	-.37	-.13
			Above 30	.114	.095	.800	-.14	.37
		22=25	18-21	-.167	.194	.951	-.70	.37
			26-29	-.417	.188	.186	-.94	.11
			Above 30	-.053	.207	1.000	-.62	.51
		26-29	18-21	.250(*)	.044	.000	.13	.37
			22=25	.417	.188	.186	-.11	.94
			Above 30	.364(*)	.084	.000	.14	.59

Question 20-The expiry date of the product is important.	Tukey HSD	Above 30	18-21	-.114	.095	.800	-.37	.14
			22=25	.053	.207	1.000	-.51	.62
		18-21	26-29	-.364(*)	.084	.000	-.59	-.14
			22=25	-.151	.130	.649	-.49	.18
		22=25	26-29	-.068	.153	.971	-.46	.33
			Above 30	.038	.089	.973	-.19	.27
		26-29	18-21	.151	.130	.649	-.18	.49
			26-29	.083	.181	.968	-.38	.55
		Above 30	18-21	.189	.132	.478	-.15	.53
			22=25	.068	.153	.971	-.33	.46
	Tamhane	Above 30	22=25	-.083	.181	.968	-.55	.38
			Above 30	.106	.155	.903	-.29	.51
		18-21	18-21	-.038	.089	.973	-.27	.19
			22=25	-.189	.132	.478	-.53	.15
		26-29	26-29	-.106	.155	.903	-.51	.29
			22=25	-.151	.073	.219	-.35	.04
		Above 30	26-29	-.068	.096	.981	-.33	.19
			Above 30	.038	.100	.999	-.23	.30
		22=25	18-21	.151	.073	.219	-.04	.35
			26-29	.083	.091	.934	-.17	.33
Question 21-Using preservative in food and drink product is acceptable.	Tukey HSD	26-29	Above 30	.189	.095	.255	-.06	.44
			18-21	.068	.096	.981	-.19	.33
		Above 30	22=25	-.083	.091	.934	-.33	.17
			Above 30	.106	.113	.926	-.20	.41
		18-21	18-21	-.038	.100	.999	-.30	.23
			22=25	-.189	.095	.255	-.44	.06
		26-29	26-29	-.106	.113	.926	-.41	.20
			22=25	-.802(*)	.210	.001	-1.34	-.26
		22=25	26-29	.115	.247	.967	-.52	.75
			Above 30	.418(*)	.144	.021	.04	.79
26-29	18-21	.802(*)	.210	.001	.26	1.34		
	26-29	.917(*)	.293	.010	.16	1.67		
Above 30	Above 30	1.220(*)	.213	.000	.67	1.77		
	18-21	-.115	.247	.967	-.75	.52		
22=25	22=25	-.917(*)	.293	.010	-1.67	-.16		
	Above 30	.303	.250	.621	-.34	.95		
Above 30	18-21	-.418(*)	.144	.021	-.79	-.04		
	22=25	-1.220(*)	.213	.000	-1.77	-.67		

		26-29	-.303	.250	.621	-.95	.34
Tamhane	18-21	22=25	-.802(*)	.213	.002	-1.38	-.22
		26-29	.115	.243	.998	-.57	.80
		Above 30	.418(*)	.144	.025	.03	.80
	22=25	18-21	.802(*)	.213	.002	.22	1.38
		26-29	.917(*)	.292	.017	.12	1.71
		Above 30	1.220(*)	.216	.000	.63	1.81
	26-29	18-21	-.115	.243	.998	-.80	.57
		22=25	-.917(*)	.292	.017	-1.71	-.12
		Above 30	.303	.246	.786	-.38	.99
	Above 30	18-21	-.418(*)	.144	.025	-.80	-.03
		22=25	-1.220(*)	.216	.000	-1.81	-.63
		26-29	-.303	.246	.786	-.99	.38

* The mean difference is significant at the .05 level.

**To Determine Whether Perceptions On The Halal Logo And Ingredients Between Education Are Significant Different Or Not.
Test of Homogeneity of Variances**

	Levene Statistic	df1	df2	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	10.943	4	236	.000
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	21.961	4	236	.000
Question 10-The method of manufacturing is also important in the determining the halal status.	17.578	4	236	.000
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	19.229	4	236	.000
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	4.715	4	236	.001
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	.921	4	236	.453
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	13.156	4	236	.000
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	3.454	4	236	.009
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	7.230	4	236	.000
Question 17-I choose food and drink based on the halal andnot based on "taste" only	1.785	4	236	.133
Question 18-I am concern with the food that I take.	3.496	4	236	.009
Question 19-The ingredients of the food and drink are very important for consumers.	14.473	4	236	.000
Question 20-The expiry date of the product is important.	16.816	4	236	.000
Question 21-Using preservative in food and drink product is acceptable.	1.649	4	236	.163

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Between Groups	15.646	4	3.911	7.608	.000
	Within Groups	121.333	236	.514		

	Total	136.97 9	240			
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Between Groups	15.430	4	3.858	6.221	.000
	Within Groups	146.34 6	236	.620		
	Total	161.77 6	240			
Question 10-The method of manufacturing is also important in the determining the halal status.	Between Groups	14.751	4	3.688	9.409	.000
	Within Groups	92.494	236	.392		
	Total	107.24 5	240			
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Between Groups	9.001	4	2.250	4.979	.001
	Within Groups	106.66 7	236	.452		
	Total	115.66 8	240			
Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Between Groups	19.002	4	4.751	3.528	.008
	Within Groups	317.77 8	236	1.347		
	Total	336.78 0	240			
Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Between Groups	21.293	4	5.323	2.464	.046
	Within Groups	509.82 7	236	2.160		
	Total	531.12 0	240			
Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Between Groups	12.861	4	3.215	3.876	.005
	Within Groups	195.77 8	236	.830		
	Total	208.63 9	240			
Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Between Groups	19.232	4	4.808	3.486	.009
	Within Groups	325.45 7	236	1.379		
	Total	344.68 9	240			

Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product with Halal logo produced by the manufacturers.	Between Groups	29.308	4	7.327	8.704	.000
	Within Groups	198.667	236	.842		
	Total	227.975	240			
Question 17-I choose food and drink based on the halal and not based on "taste" only	Between Groups	2.664	4	.666	1.123	.346
	Within Groups	139.975	236	.593		
	Total	142.639	240			
Question 18-I am concern with the food that I take.	Between Groups	3.956	4	.989	1.417	.229
	Within Groups	164.716	236	.698		
	Total	168.672	240			
Question 19-The ingredients of the food and drink are very important for consumers.	Between Groups	10.645	4	2.661	4.916	.001
	Within Groups	127.753	236	.541		
	Total	138.398	240			
Question 20-The expiry date of the product is important.	Between Groups	8.704	4	2.176	4.286	.002
	Within Groups	119.827	236	.508		
	Total	128.531	240			
Question 21-Using preservative in food and drink product is acceptable.	Between Groups	31.362	4	7.840	6.146	.000
	Within Groups	301.086	236	1.276		
	Total	332.448	240			

Multiple Comparisons

Dependent Variable		(I) Education	(J) Education	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
							Lower Bound	Upper Bound
Question 8-I will always find the Halal's Logo on the product packaging before buying any products or goods.	Tukey HSD	Diploma	Degree	-.333	.418	.931	-1.48	.82
			Master	-.556	.436	.708	-1.76	.64
			PhD	.333	.439	.942	-.87	1.54
		Degree	Others	.133	.438	.998	-1.07	1.34
			Diploma	.333	.418	.931	-.82	1.48
			Master	-.222	.149	.569	-.63	.19

		PhD	.667(*)	.157	.000	.24	1.10	
		Others	.467(*)	.154	.023	.04	.89	
	Master	Diploma	.556	.436	.708	-.64	1.76	
		Degree	.222	.149	.569	-.19	.63	
		PhD	.889(*)	.201	.000	.34	1.44	
		Others	.689(*)	.199	.006	.14	1.24	
	PhD	Diploma	-.333	.439	.942	-1.54	.87	
		Degree	-.667(*)	.157	.000	-1.10	-.24	
		Master	-.889(*)	.201	.000	-1.44	-.34	
		Others	-.200	.205	.866	-.76	.36	
	Others	Diploma	-.133	.438	.998	-1.34	1.07	
		Degree	-.467(*)	.154	.023	-.89	-.04	
		Master	-.689(*)	.199	.006	-1.24	-.14	
		PhD	.200	.205	.866	-.36	.76	
	Tamhane	Diploma	Degree	-.333	.337	.996	-4.68	4.02
		Master	-.556	.339	.931	-4.71	3.59	
		PhD	.333	.445	.999	-1.57	2.24	
		Others	.133	.367	1.000	-2.67	2.94	
	Degree	Diploma	.333	.337	.996	-4.02	4.68	
		Master	-.222	.077	.053	-.45	.00	
		PhD	.667	.299	.300	-.25	1.59	
		Others	.467	.160	.065	-.02	.95	
	Master	Diploma	.556	.339	.931	-3.59	4.71	
		Degree	.222	.077	.053	.00	.45	
		PhD	.889	.301	.066	-.04	1.81	
		Others	.689(*)	.165	.002	.19	1.18	
	PhD	Diploma	-.333	.445	.999	-2.24	1.57	
		Degree	-.667	.299	.300	-1.59	.25	
		Master	-.889	.301	.066	-1.81	.04	
		Others	-.200	.332	1.000	-1.19	.79	
	Others	Diploma	-.133	.367	1.000	-2.94	2.67	
		Degree	-.467	.160	.065	-.95	.02	
		Master	-.689(*)	.165	.002	-1.18	-.19	
		PhD	.200	.332	1.000	-.79	1.19	
Question 9-All food and other consumer products must get the halal's verification from JAKIM.	Tukey HSD	Diploma	Degree					
				-.802	.459	.406	-2.06	.46
		Master	-.556	.479	.774	-1.87	.76	
		PhD	.000	.482	1.000	-1.33	1.33	
		Others	-.600	.481	.724	-1.92	.72	
	Degree	Diploma	.802	.459	.406	-.46	2.06	
		Master	.247	.164	.558	-.20	.70	
		PhD	.802(*)	.172	.000	.33	1.28	
		Others	.202	.169	.753	-.26	.67	
	Master	Diploma	.556	.479	.774	-.76	1.87	
		Degree	-.247	.164	.558	-.70	.20	
		PhD	.556	.221	.091	-.05	1.16	
		Others	-.044	.219	1.000	-.65	.56	

Question 10-The method of manufacturing is also important in the determining the halal status.	Tukey HSD	PhD	Diploma	.000	.482	1.000	-1.33	1.33		
			Degree	-.802(*)	.172	.000	-1.28	-.33		
			Master	-.556	.221	.091	-1.16	.05		
			Others	-.600	.225	.062	-1.22	.02		
		Others	Diploma	.600	.481	.724	-.72	1.92		
			Degree	-.202	.169	.753	-.67	.26		
			Master	.044	.219	1.000	-.56	.65		
			PhD	.600	.225	.062	-.02	1.22		
		Tamhane	Diploma	Degree	-.802	1.001	.999	-14.61	13.01	
				Master	-.556	1.005	1.000	-14.03	12.92	
				PhD	.000	1.049	1.000	-10.39	10.39	
				Others	-.600	1.013	1.000	-13.34	12.14	
		Degree	Diploma	.802	1.001	.999	-13.01	14.61		
			Master	.247	.109	.254	-.08	.57		
			PhD	.802	.322	.183	-.19	1.79		
			Others	.202	.170	.939	-.31	.72		
		Master	Diploma	.556	1.005	1.000	-12.92	14.03		
			Degree	-.247	.109	.254	-.57	.08		
			PhD	.556	.333	.677	-.46	1.57		
			Others	-.044	.190	1.000	-.61	.52		
		PhD	Diploma	.000	1.049	1.000	-10.39	10.39		
			Degree	-.802	.322	.183	-1.79	.19		
			Master	-.556	.333	.677	-1.57	.46		
			Others	-.600	.358	.662	-1.67	.47		
		Others	Diploma	.600	1.013	1.000	-12.14	13.34		
			Degree	-.202	.170	.939	-.72	.31		
			Master	.044	.190	1.000	-.52	.61		
			PhD	.600	.358	.662	-.47	1.67		
		Question 10-The method of manufacturing is also important in the determining the halal status.	Tukey HSD	Diploma	Degree	-.160	.365	.992	-1.16	.84
					Master	-.111	.381	.998	-1.16	.94
					PhD	.667	.383	.412	-.39	1.72
					Others	.067	.383	1.000	-.98	1.12
				Degree	Diploma	.160	.365	.992	-.84	1.16
					Master	.049	.130	.996	-.31	.41
					PhD	.827(*)	.137	.000	.45	1.20
					Others	.227	.135	.443	-.14	.60
				Master	Diploma	.111	.381	.998	-.94	1.16
					Degree	-.049	.130	.996	-.41	.31
					PhD	.778(*)	.176	.000	.29	1.26
					Others	.178	.174	.845	-.30	.66
PhD	Diploma			-.667	.383	.412	-1.72	.39		
	Degree			-.827(*)	.137	.000	-1.20	-.45		
	Master			-.778(*)	.176	.000	-1.26	-.29		
	Others			-.600(*)	.179	.008	-1.09	-.11		
Others	Diploma			-.067	.383	1.000	-1.12	.98		

			Degree	-.227	.135	.443	-.60	.14
			Master	-.178	.174	.845	-.66	.30
			PhD	.600(*)	.179	.008	.11	1.09
	Tamhane	Diploma	Degree	-.160	.335	1.000	-4.68	4.36
			Master	-.111	.343	1.000	-3.96	3.74
			PhD	.667	.445	.870	-1.24	2.57
			Others	.067	.371	1.000	-2.61	2.75
		Degree	Diploma	.160	.335	1.000	-4.36	4.68
			Master	.049	.087	1.000	-.21	.31
			PhD	.827	.296	.098	-.09	1.74
			Others	.227	.166	.868	-.28	.74
		Master	Diploma	.111	.343	1.000	-3.74	3.96
			Degree	-.049	.087	1.000	-.31	.21
			PhD	.778	.306	.159	-.16	1.71
			Others	.178	.183	.984	-.37	.72
		PhD	Diploma	-.667	.445	.870	-2.57	1.24
			Degree	-.827	.296	.098	-1.74	.09
			Master	-.778	.306	.159	-1.71	.16
			Others	-.600	.337	.582	-1.61	.41
		Others	Diploma	-.067	.371	1.000	-2.75	2.61
			Degree	-.227	.166	.868	-.74	.28
			Master	-.178	.183	.984	-.72	.37
			PhD	.600	.337	.582	-.41	1.61
Question 11-Islamic consumers have the right to report on any fraud Halal logo presented by manufacturers.	Tukey HSD	Diploma	Degree					
				-.111	.392	.999	-1.19	.97
			Master	-.222	.409	.983	-1.35	.90
			PhD	.500	.412	.743	-.63	1.63
			Others	.067	.411	1.000	-1.06	1.20
		Degree	Diploma	.111	.392	.999	-.97	1.19
			Master	-.111	.140	.932	-.50	.27
			PhD	.611(*)	.147	.000	.21	1.02
			Others	.178	.144	.733	-.22	.57
		Master	Diploma	.222	.409	.983	-.90	1.35
			Degree	.111	.140	.932	-.27	.50
			PhD	.722(*)	.189	.002	.20	1.24
			Others	.289	.187	.532	-.22	.80
		PhD	Diploma	-.500	.412	.743	-1.63	.63
			Degree	-.611(*)	.147	.000	-1.02	-.21
			Master	-.722(*)	.189	.002	-1.24	-.20
			Others	-.433	.192	.163	-.96	.09
		Others	Diploma	-.067	.411	1.000	-1.20	1.06
			Degree	-.178	.144	.733	-.57	.22
			Master	-.289	.187	.532	-.80	.22
			PhD	.433	.192	.163	-.09	.96
	Tamhane	Diploma	Degree	-.111	.335	1.000	-4.56	4.34
			Master	-.222	.339	1.000	-4.37	3.93
			PhD	.500	.452	.975	-1.39	2.39

Question 12-The Halal food and drink product should be separated for Muslim and non-Muslims.	Tukey HSD	Degree	Others	.067	.371	1.000	-2.61	2.75		
			Diploma	.111	.335	1.000	-4.34	4.56		
			Master	-.111	.072	.749	-.32	.10		
			PhD	.611	.307	.452	-.34	1.56		
		Master	Others	.178	.167	.971	-.33	.69		
			Diploma	.222	.339	1.000	-3.93	4.37		
			Degree	.111	.072	.749	-.10	.32		
			PhD	.722	.311	.253	-.23	1.68		
		PhD	Others	.289	.175	.681	-.24	.82		
			Diploma	-.500	.452	.975	-2.39	1.39		
			Degree	-.611	.307	.452	-1.56	.34		
			Master	-.722	.311	.253	-1.68	.23		
		Others	Others	-.433	.346	.915	-1.47	.60		
			Diploma	-.067	.371	1.000	-2.75	2.61		
			Degree	-.178	.167	.971	-.69	.33		
			Master	-.289	.175	.681	-.82	.24		
		Diploma	PhD	.433	.346	.915	-.60	1.47		
			Degree	.704	.676	.836	-1.15	2.56		
		Tamhane		Degree	Master	.444	.706	.970	-1.50	2.39
					PhD	1.167	.711	.472	-.79	3.12
					Others	1.400	.709	.282	-.55	3.35
					Diploma	-.704	.676	.836	-2.56	1.15
				Master	Master	-.259	.241	.819	-.92	.40
					PhD	.463	.254	.362	-.23	1.16
					Others	.696(*)	.249	.044	.01	1.38
					Diploma	-.444	.706	.970	-2.39	1.50
				PhD	Degree	.259	.241	.819	-.40	.92
					PhD	.722	.326	.176	-.17	1.62
Others	.956(*)				.322	.027	.07	1.84		
Diploma	-1.167				.711	.472	-3.12	.79		
Others	Degree			-.463	.254	.362	-1.16	.23		
	Master			-.722	.326	.176	-1.62	.17		
	Others			.233	.332	.956	-.68	1.14		
	Diploma			-1.400	.709	.282	-3.35	.55		
Diploma	Degree			-.696(*)	.249	.044	-1.38	-.01		
	Master			-.956(*)	.322	.027	-1.84	-.07		
	PhD			-.233	.332	.956	-1.14	.68		
	Degree			.704(*)	.089	.000	.45	.96		
Degree	Master			.444(*)	.134	.027	.03	.86		
	PhD			1.167(*)	.280	.004	.30	2.03		
	Others			1.400(*)	.306	.001	.46	2.34		
	Diploma			-.704(*)	.089	.000	-.96	-.45		
Master	Master			-.259	.161	.700	-.73	.21		
	PhD			.463	.294	.742	-.43	1.36		
	Others			.696	.318	.315	-.27	1.66		
	Diploma			-.444(*)	.134	.027	-.86	-.03		

Question 13-Beside JAKIM, private company can be authorized to produce the Halal's logo.	Tukey HSD	PhD	Degree	.259	.161	.700	-.21	.73	
			PhD	.722	.311	.234	-.21	1.65	
			Others	.956	.334	.070	-.05	1.96	
			Diploma	-1.167(*)	.280	.004	-2.03	-.30	
			Degree	-.463	.294	.742	-1.36	.43	
			Master	-.722	.311	.234	-1.65	.21	
			Others	.233	.415	1.000	-.98	1.45	
		Others	Diploma	-1.400(*)	.306	.001	-2.34	-.46	
			Degree	-.696	.318	.315	-1.66	.27	
			Master	-.956	.334	.070	-1.96	.05	
			PhD	-.233	.415	1.000	-1.45	.98	
			Diploma						
			Degree						
			Diploma						
	Tamhane	Tukey HSD	Degree	Master	-1.333	.894	.570	-3.79	1.13
				PhD	-.667	.900	.947	-3.14	1.81
				Others	-.200	.898	.999	-2.67	2.27
				Diploma	.494	.856	.978	-1.86	2.85
				Master	-.840	.306	.050	-1.68	.00
				PhD	-.173	.321	.983	-1.06	.71
				Others	.294	.316	.885	-.57	1.16
			Master	Diploma	1.333	.894	.570	-1.13	3.79
				Degree	.840	.306	.050	.00	1.68
				PhD	.667	.412	.488	-.47	1.80
				Others	1.133(*)	.408	.046	.01	2.25
				Diploma	.667	.900	.947	-1.81	3.14
				Degree	.173	.321	.983	-.71	1.06
				Master	-.667	.412	.488	-1.80	.47
Others		Others	.467	.420	.801	-.69	1.62		
		Diploma	.200	.898	.999	-2.27	2.67		
		Degree	-.294	.316	.885	-1.16	.57		
		Master	-1.133(*)	.408	.046	-2.25	-.01		
		PhD	-.467	.420	.801	-1.62	.69		
		Diploma							
		Degree							
Tamhane		Diploma	Degree	-.494	1.006	1.000	-13.85	12.86	
			Master	-1.333	1.046	.976	-11.90	9.24	
			PhD	-.667	1.047	1.000	-11.17	9.84	
			Others	-.200	1.052	1.000	-10.46	10.06	
			Diploma	.494	1.006	1.000	-12.86	13.85	
			Master	-.840	.326	.137	-1.82	.14	
			PhD	-.173	.330	1.000	-1.17	.83	
	Master	Others	.294	.345	.994	-.75	1.34		
		Diploma	1.333	1.046	.976	-9.24	11.90		
		Degree	.840	.326	.137	-.14	1.82		
		PhD	.667	.437	.761	-.61	1.95		
		Others	1.133	.448	.137	-.18	2.45		
		Diploma	.667	1.047	1.000	-9.84	11.17		
		Degree	.173	.330	1.000	-.83	1.17		

Question 14-JAKIM must take action on all manufacturers who do not follow the Halal standard.	Tukey HSD	Others	Master	-.667	.437	.761	-1.95	.61	
			Others	.467	.451	.974	-.86	1.79	
			Diploma	.200	1.052	1.000	-10.06	10.46	
			Degree	-.294	.345	.994	-1.34	.75	
			Master	-1.133	.448	.137	-2.45	.18	
		Diploma	PhD	-.467	.451	.974	-1.79	.86	
			Degree						
				-.741	.531	.631	-2.20	.72	
		Tamhane	Degree	Master	-.556	.554	.854	-2.08	.97
				PhD	.000	.558	1.000	-1.53	1.53
				Others	-.600	.557	.818	-2.13	.93
				Diploma	.741	.531	.631	-.72	2.20
				Master	.185	.189	.865	-.34	.71
			Master	PhD	.741(*)	.199	.002	.19	1.29
				Others	.141	.196	.952	-.40	.68
				Diploma	.556	.554	.854	-.97	2.08
				Degree	-.185	.189	.865	-.71	.34
				PhD	.556	.256	.193	-.15	1.26
	PhD		Others	-.044	.253	1.000	-.74	.65	
			Diploma	.000	.558	1.000	-1.53	1.53	
			Degree	-.741(*)	.199	.002	-1.29	-.19	
			Master	-.556	.256	.193	-1.26	.15	
			Others	-.600	.260	.147	-1.32	.12	
	Others		Diploma	.600	.557	.818	-.93	2.13	
			Degree	-.141	.196	.952	-.68	.40	
			Master	.044	.253	1.000	-.65	.74	
			PhD	.600	.260	.147	-.12	1.32	
			Diploma	Degree	-.741	1.001	1.000	-14.53	13.05
	Degree	Master	-.556	1.030	1.000	-12.08	10.97		
		PhD	.000	1.049	1.000	-10.39	10.39		
		Others	-.600	1.013	1.000	-13.34	12.14		
		Diploma	.741	1.001	1.000	-13.05	14.53		
		Master	.185	.252	.998	-.58	.95		
	Master	PhD	.741	.323	.268	-.25	1.73		
		Others	.141	.172	.996	-.38	.66		
		Diploma	.556	1.030	1.000	-10.97	12.08		
		Degree	-.185	.252	.998	-.95	.58		
		PhD	.556	.403	.853	-.63	1.74		
PhD	Others	-.044	.296	1.000	-.92	.83			
	Diploma	.000	1.049	1.000	-10.39	10.39			
	Degree	-.741	.323	.268	-1.73	.25			
	Master	-.556	.403	.853	-1.74	.63			
	Others	-.600	.358	.662	-1.67	.47			
Others	Diploma	.600	1.013	1.000	-12.14	13.34			
	Degree	-.141	.172	.996	-.66	.38			
	Master	.044	.296	1.000	-.83	.92			
	PhD	.600	.358	.662	-.47	1.67			

Question 15-My selection of food and drink is influenced by others even though the products do not have the Halal logo.	Tukey HSD	Diploma	Degree	1.086	.684	.507	-.79	2.97	
			Degree	Master	1.444	.715	.259	-.52	3.41
				PhD	1.833	.719	.083	-.14	3.81
		Others		.933	.718	.691	-1.04	2.91	
		Master	Diploma	-1.086	.684	.507	-2.97	.79	
			Master	.358	.244	.585	-.31	1.03	
			PhD	.747(*)	.257	.032	.04	1.45	
		PhD	Others	-.153	.252	.974	-.85	.54	
			Diploma	-1.444	.715	.259	-3.41	.52	
			Degree	-.358	.244	.585	-1.03	.31	
		Others	PhD	.389	.329	.763	-.52	1.29	
			Others	-.511	.326	.519	-1.41	.38	
			Diploma	-1.833	.719	.083	-3.81	.14	
		Tamhane	Diploma	Degree	-.747(*)	.257	.032	-1.45	-.04
				Master	-.389	.329	.763	-1.29	.52
				Others	-.900	.336	.060	-1.82	.02
			Degree	Diploma	-.933	.718	.691	-2.91	1.04
				Degree	.153	.252	.974	-.54	.85
	Master			.511	.326	.519	-.38	1.41	
	Master		PhD	.900	.336	.060	-.02	1.82	
			Diploma	1.086	.347	.526	-2.51	4.69	
			Master	1.444	.363	.277	-1.46	4.35	
	PhD		PhD	1.833	.424	.071	-.16	3.83	
			Others	.933	.393	.563	-1.34	3.21	
			Diploma	-1.086	.347	.526	-4.69	2.51	
	Others		Master	.358	.174	.367	-.15	.87	
			PhD	.747	.280	.115	-.10	1.59	
			Others	-.153	.230	.999	-.84	.53	
	Diploma		Diploma	-1.444	.363	.277	-4.35	1.46	
			Degree	-.358	.174	.367	-.87	.15	
			PhD	.389	.300	.896	-.50	1.28	
	Degree	Others	-.511	.253	.401	-1.26	.24		
		Diploma	-1.833	.424	.071	-3.83	.16		
		Degree	-.747	.280	.115	-1.59	.10		
	Master	Master	-.389	.300	.896	-1.28	.50		
		Others	-.900	.335	.097	-1.89	.09		
Diploma		-.933	.393	.563	-3.21	1.34			
PhD	Degree	.153	.230	.999	-.53	.84			
	Master	.511	.253	.401	-.24	1.26			
	PhD	.900	.335	.097	-.09	1.89			
Question 16-I choose to buy products with JAKIM's Halal logo as compared buying any other product	Tukey HSD	Diploma	Degree	-.333	.535	.971	-1.80	1.14	

with Halal logo
produced by the
manufacturers.

		Master	.556	.558	.857	-.98	2.09	
		PhD	.500	.562	.900	-1.04	2.04	
		Others	.000	.561	1.000	-1.54	1.54	
	Degree	Diploma	.333	.535	.971	-1.14	1.80	
		Master	.889(*)	.191	.000	.36	1.41	
		PhD	.833(*)	.201	.000	.28	1.38	
		Others	.333	.197	.442	-.21	.88	
	Master	Diploma	-.556	.558	.857	-2.09	.98	
		Degree	-.889(*)	.191	.000	-1.41	-.36	
		PhD	-.056	.257	1.000	-.76	.65	
		Others	-.556	.255	.190	-1.26	.14	
	PhD	Diploma	-.500	.562	.900	-2.04	1.04	
		Degree	-.833(*)	.201	.000	-1.38	-.28	
		Master	.056	.257	1.000	-.65	.76	
		Others	-.500	.262	.316	-1.22	.22	
	Others	Diploma	.000	.561	1.000	-1.54	1.54	
		Degree	-.333	.197	.442	-.88	.21	
		Master	.556	.255	.190	-.14	1.26	
		PhD	.500	.262	.316	-.22	1.22	
	Tamhane	Diploma	Degree	-.333(*)	.064	.000	-.52	-.15
		Master	.556	.187	.062	-.02	1.13	
		PhD	.500	.289	.638	-.39	1.39	
		Others	.000	.183	1.000	-.56	.56	
	Degree	Diploma	.333(*)	.064	.000	.15	.52	
		Master	.889(*)	.198	.001	.29	1.48	
		PhD	.833	.296	.089	-.07	1.74	
		Others	.333	.194	.633	-.25	.92	
	Master	Diploma	-.556	.187	.062	-1.13	.02	
		Degree	-.889(*)	.198	.001	-1.48	-.29	
		PhD	-.056	.344	1.000	-1.07	.96	
		Others	-.556	.262	.326	-1.32	.21	
	PhD	Diploma	-.500	.289	.638	-1.39	.39	
		Degree	-.833	.296	.089	-1.74	.07	
		Master	.056	.344	1.000	-.96	1.07	
		Others	-.500	.342	.806	-1.51	.51	
	Others	Diploma	.000	.183	1.000	-.56	.56	
		Degree	-.333	.194	.633	-.92	.25	
		Master	.556	.262	.326	-.21	1.32	
		PhD	.500	.342	.806	-.51	1.51	
	Tukey HSD	Diploma	Degree					
				-.346	.449	.939	-1.58	.89
		Master	-.333	.469	.954	-1.62	.96	
		PhD	-.667	.472	.620	-1.96	.63	
		Others	-.400	.471	.915	-1.69	.89	
	Degree	Diploma	.346	.449	.939	-.89	1.58	

Question 17-I
choose food and
drink based on the
halal andnot based
on "taste" only

		Master	.012	.160	1.000	-.43	.45	
		PhD	-.321	.168	.317	-.78	.14	
		Others	-.054	.165	.997	-.51	.40	
	Master	Diploma	.333	.469	.954	-.96	1.62	
		Degree	-.012	.160	1.000	-.45	.43	
		PhD	-.333	.216	.536	-.93	.26	
		Others	-.067	.214	.998	-.65	.52	
	PhD	Diploma	.667	.472	.620	-.63	1.96	
		Degree	.321	.168	.317	-.14	.78	
		Master	.333	.216	.536	-.26	.93	
		Others	.267	.220	.745	-.34	.87	
	Others	Diploma	.400	.471	.915	-.89	1.69	
		Degree	.054	.165	.997	-.40	.51	
		Master	.067	.214	.998	-.52	.65	
		PhD	-.267	.220	.745	-.87	.34	
	Tamhane	Diploma	Degree	-.346	.581	1.000	-8.06	7.37
			Master	-.333	.592	1.000	-7.17	6.50
			PhD	-.667	.586	.990	-7.97	6.64
			Others	-.400	.600	1.000	-6.72	5.92
	Degree	Diploma	.346	.581	1.000	-7.37	8.06	
		Master	.012	.145	1.000	-.42	.44	
		PhD	-.321	.117	.083	-.67	.02	
		Others	-.054	.175	1.000	-.58	.47	
	Master	Diploma	.333	.592	1.000	-6.50	7.17	
		Degree	-.012	.145	1.000	-.44	.42	
		PhD	-.333	.164	.384	-.81	.15	
		Others	-.067	.209	1.000	-.68	.55	
	PhD	Diploma	.667	.586	.990	-6.64	7.97	
		Degree	.321	.117	.083	-.02	.67	
		Master	.333	.164	.384	-.15	.81	
		Others	.267	.191	.844	-.30	.83	
	Others	Diploma	.400	.600	1.000	-5.92	6.72	
		Degree	.054	.175	1.000	-.47	.58	
		Master	.067	.209	1.000	-.55	.68	
		PhD	-.267	.191	.844	-.83	.30	
	Tukey HSD	Diploma	Degree	-.395	.487	.927	-1.73	.94
			Master	-.222	.508	.992	-1.62	1.18
			PhD	-.667	.512	.690	-2.07	.74
			Others	-.600	.510	.765	-2.00	.80
	Degree	Diploma	.395	.487	.927	-.94	1.73	
		Master	.173	.174	.857	-.30	.65	
		PhD	-.272	.183	.572	-.77	.23	
		Others	-.205	.180	.784	-.70	.29	
	Master	Diploma	.222	.508	.992	-1.18	1.62	
		Degree	-.173	.174	.857	-.65	.30	
		PhD	-.444	.234	.322	-1.09	.20	
		Others	-.378	.232	.480	-1.02	.26	
	PhD	Diploma	.667	.512	.690	-.74	2.07	

Question 18-I am
concern with the
food that I take.

Question 19-The ingredients of the food and drink are very important for consumers.	Tamhane	Others	Degree	.272	.183	.572	-.23	.77
			Master	.444	.234	.322	-.20	1.09
			Others	.067	.239	.999	-.59	.72
			Diploma	.600	.510	.765	-.80	2.00
		Diploma	Degree	.205	.180	.784	-.29	.70
			Master	.378	.232	.480	-.26	1.02
			PhD	-.067	.239	.999	-.72	.59
			Degree	-.395(*)	.063	.000	-.57	-.22
		Degree	Master	-.222	.241	.989	-.96	.51
			PhD	-.667(*)	.098	.000	-.97	-.36
			Others	-.600(*)	.163	.012	-1.10	-1.10
			Diploma	.395(*)	.063	.000	.22	.57
		Master	Master	.173	.249	.999	-.58	.92
			PhD	-.272	.117	.219	-.62	.07
			Others	-.205	.175	.944	-.73	.32
			Diploma	.222	.241	.989	-.51	.96
		PhD	Degree	-.173	.249	.999	-.92	.58
			PhD	-.444	.260	.637	-1.22	.33
			Others	-.378	.291	.893	-1.23	.48
			Diploma	.667(*)	.098	.000	.36	.97
	Others	Degree	.272	.117	.219	-.07	.62	
		Master	.444	.260	.637	-.33	1.22	
		Others	.067	.191	1.000	-.50	.63	
		Diploma	.600(*)	.163	.012	.10	1.10	
	Tukey HSD	Diploma	Degree	.205	.175	.944	-.32	.73
			Master	.378	.291	.893	-.48	1.23
			PhD	-.067	.191	1.000	-.63	.50
			Degree	-.099	.429	.999	-1.28	1.08
		Degree	Master	-.222	.448	.988	-1.45	1.01
			PhD	.500	.451	.801	-.74	1.74
			Others	.267	.450	.976	-.97	1.50
			Diploma	.099	.429	.999	-1.08	1.28
		Master	Master	-.123	.153	.928	-.54	.30
			PhD	.599(*)	.161	.002	.16	1.04
			Others	.365	.158	.145	-.07	.80
			Diploma	.222	.448	.988	-1.01	1.45
	PhD	Degree	.123	.153	.928	-.30	.54	
		PhD	.722(*)	.206	.005	.15	1.29	
		Others	.489	.204	.121	-.07	1.05	
		Diploma	-.500	.451	.801	-1.74	.74	
Others	Degree	-.599(*)	.161	.002	-1.04	-1.16		
	Master	-.722(*)	.206	.005	-1.29	-1.15		
	Others	-.233	.210	.801	-.81	.34		
	Diploma	-.267	.450	.976	-1.50	.97		
		Degree	-.365	.158	.145	-.80	.07	
		Master	-.489	.204	.121	-1.05	.07	

Question 20-The expiry date of the product is important.	Tamhane	Diploma	PhD	.233	.210	.801	-.34	.81
			Degree	-.099	.337	1.000	-4.44	4.24
			Master	-.222	.339	1.000	-4.37	3.93
		Degree	PhD	.500	.452	.975	-1.39	2.39
			Others	.267	.371	.999	-2.41	2.95
			Diploma	.099	.337	1.000	-4.24	4.44
		Master	Master	-.123	.077	.708	-.35	.10
			PhD	.599	.309	.484	-.35	1.55
			Others	.365	.170	.337	-.15	.88
		PhD	Diploma	.222	.339	1.000	-3.93	4.37
			Degree	.123	.077	.708	-.10	.35
			PhD	.722	.311	.253	-.23	1.68
		Others	Others	.489	.175	.084	-.04	1.02
			Diploma	-.500	.452	.975	-2.39	1.39
			Degree	-.599	.309	.484	-1.55	.35
	Tukey HSD	Diploma	Master	-.722	.311	.253	-1.68	.23
			Others	-.233	.346	.999	-1.27	.80
			Diploma	-.267	.371	.999	-2.95	2.41
	Degree	Degree	-.365	.170	.337	-.88	.15	
		Master	-.489	.175	.084	-1.02	.04	
		PhD	.233	.346	.999	-.80	1.27	
	Master	Diploma	-.160	.415	.995	-1.30	.98	
		Degree	-.222	.434	.986	-1.41	.97	
		PhD	.333	.436	.941	-.87	1.53	
	PhD	Others	.267	.435	.973	-.93	1.46	
		Diploma	.160	.415	.995	-.98	1.30	
		Master	-.062	.148	.994	-.47	.35	
	Others	PhD	.494(*)	.156	.015	.07	.92	
		Others	.427(*)	.153	.045	.01	.85	
		Diploma	.222	.434	.986	-.97	1.41	
Diploma	Degree	.062	.148	.994	-.35	.47		
	PhD	.556(*)	.200	.046	.01	1.11		
	Others	.489	.198	.101	-.05	1.03		
Degree	Diploma	-.333	.436	.941	-1.53	.87		
	Degree	-.494(*)	.156	.015	-.92	-.07		
	Master	-.556(*)	.200	.046	-1.11	-.01		
Master	Others	-.067	.204	.998	-.63	.49		
	Diploma	-.267	.435	.973	-1.46	.93		
	Degree	-.427(*)	.153	.045	-.85	-.01		
Tukey HSD	Diploma	Master	-.489	.198	.101	-1.03	.05	
		PhD	.067	.204	.998	-.49	.63	
		Degree	-.160	.336	1.000	-4.55	4.23	
Degree	Master	-.222	.339	1.000	-4.37	3.93		
	PhD	.333	.456	.999	-1.55	2.21		
	Others	.267	.371	.999	-2.41	2.95		
PhD	Diploma	.160	.336	1.000	-4.23	4.55		
	Master	-.062	.075	.995	-.28	.16		
	PhD	.494	.314	.748	-.47	1.46		

Question 21-Using preservative in food and drink product is acceptable.	Tukey HSD	Master	Others	.427	.169	.161	-.09	.94				
			Diploma	.222	.339	1.000	-3.93	4.37				
			Degree	.062	.075	.995	-.16	.28				
		PhD	PhD	.556	.317	.619	-.42	1.53				
			Others	.489	.175	.084	-.04	1.02				
			Diploma	-.333	.456	.999	-2.21	1.55				
		Others	Degree	-.494	.314	.748	-1.46	.47				
			Master	-.556	.317	.619	-1.53	.42				
			Others	-.067	.351	1.000	-1.12	.98				
		Diploma	Diploma	-.267	.371	.999	-2.95	2.41				
			Degree	-.427	.169	.161	-.94	.09				
			Master	-.489	.175	.084	-1.02	.04				
		Tukey HSD	Tamhane	Diploma	PhD	.067	.351	1.000	-.98	1.12		
					Degree	-1.765	.658	.060	-3.57	.04		
					Master	-1.556	.687	.161	-3.45	.33		
				Degree	PhD	-.833	.692	.749	-2.73	1.07		
					Others	-1.133	.690	.472	-3.03	.76		
					Diploma	1.765	.658	.060	-.04	3.57		
				Master	Master	.210	.235	.899	-.44	.86		
					PhD	.932(*)	.247	.002	.25	1.61		
					Others	.632	.243	.073	-.04	1.30		
				PhD	Diploma	1.556	.687	.161	-.33	3.45		
					Degree	-.210	.235	.899	-.86	.44		
					PhD	.722	.317	.155	-.15	1.59		
				Others	Others	.422	.314	.662	-.44	1.28		
					Diploma	.833	.692	.749	-1.07	2.73		
					Degree	-.932(*)	.247	.002	-1.61	-.25		
				Tukey HSD	Tamhane	Diploma	Master	-.722	.317	.155	-1.59	.15
							Others	-.300	.323	.885	-1.19	.59
							Diploma	1.133	.690	.472	-.76	3.03
Degree	Degree					-.632	.243	.073	-1.30	.04		
	Master					-.422	.314	.662	-1.28	.44		
	PhD					.300	.323	.885	-.59	1.19		
Master	Diploma					-1.765	.344	.242	-5.55	2.02		
	Master					-1.556	.390	.174	-3.87	.76		
	PhD					-.833	.441	.685	-2.75	1.09		
PhD	Others					-1.133	.410	.367	-3.23	.96		
	Diploma					1.765	.344	.242	-2.02	5.55		
	Master					.210	.220	.986	-.44	.86		
Tukey HSD	Tamhane					Diploma	PhD	.932(*)	.301	.044	.02	1.85
							Others	.632	.253	.167	-.13	1.40
							Diploma	1.556	.390	.174	-.76	3.87
		Degree	Degree			-.210	.220	.986	-.86	.44		
			PhD			.722	.352	.380	-.32	1.76		
			Others			.422	.312	.867	-.49	1.34		
		Master	Diploma			.833	.441	.685	-1.09	2.75		
			Degree			-.932(*)	.301	.044	-1.85	-.02		

Others	Master	-.722	.352	.380	-1.76	.32
	Others	-.300	.374	.996	-1.40	.80
	Diploma	1.133	.410	.367	-.96	3.23
	Degree	-.632	.253	.167	-1.40	.13
	Master	-.422	.312	.867	-1.34	.49
	PhD	.300	.374	.996	-.80	1.40

* The mean difference is significant at the .05 level.