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RELIGIOSITY AND CONSUMPTION: UNDERSTANDING RESPONSES TO CONTROVERSIAL PRODUCTS AND OFFENSIVE ADVERTISING APPEALS

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Abstract: Religiosity plays a pivotal role in shaping individuals' values, beliefs, and practices, permeating into various aspects of daily life. In the realm of consumer behavior, religiosity serves as a fascinating construct that can significantly influence consumer choices and reactions. This paper endeavors to delve into the intricate relationship between religiosity and its impact on the perception of controversial products and the offensive nature of advertising appeals. Understanding how religiosity interplays with consumer behavior is essential in today's diverse marketplace, where consumers hail from a multitude of religious backgrounds and worldviews. To shed light on this phenomenon, this research commences with an exploration of the existing literature concerning the role of religion in shaping consumer behavior. By examining previous studies and theories, we aim to provide a comprehensive foundation for our investigation. The methodology section elucidates the rigorous data collection procedures and the specific measures adopted to scrutinize the multifaceted aspects of religiosity and its implications on consumer reactions. Our research adopts a holistic approach, encompassing both qualitative and quantitative data collection methods, in order to obtain a nuanced understanding of the subject matter. Subsequently, the paper presents the empirical results derived from the comprehensive analysis of collected data. These results unveil the intricate dynamics between religiosity, controversial products, and offensive advertising appeals. We provide insights into how varying degrees of religiosity influence consumers' perceptions, attitudes, and behaviors in response to such marketing strategies. In closing, the paper reflects on the limitations inherent in this study and outlines avenues for future research in this domain. The complexities of religiosity and its implications on consumer behavior warrant continued exploration, including investigating the moderating factors and potential cultural nuances that may influence these relationships.

Keywords: Religiosity, Consumer Behavior, Controversial Products, Advertising Appeals, Marketing Strategies

Original Article

Introduction

Religiosity is defined as the degree to which a person adheres to his or her religious values, beliefs, and practices and uses them in daily life (Worthington Jr. et al., 2003). In consumer behaviour field, researchers have used religiosity construct to determine a number of consumer behaviour. This paper aims to investigate the relationship between religiosity and controversial products and offensive nature of advertising appeals. The paper begins by providing literature related to the role of religion in determining consumer behaviour. Then, the methodology section provides the data collection procedure along with measures adopted followed by a presentation of results. A final section discusses limitations and directions for future research.

Advertising can assume many roles and functions. According to Mohd Sidin and Noorbathi(2002, pp. 25-26), basic functions of advertising range from introducing product to customers and differentiating one product from another, sending information on the product, features, and place, encouraging customers to try new products and suggest repeat customers, encourage product distribution, increasing the numbers of product users and lastly, building brand loyalty. Wells, Moriarty, and Burnett (2006, p. 10) on the other hand, suggested functions of advertising such as building awareness of products and brands, create brand image, provides product and brand information, persuade people, provide incentive to take action, provide brand reminders, and lastly reinforce past purchases and brand experiences. All of these different functions can be categorized under five major functions; marketing, communication, education, economy and social functions (Bovee & Arens, 1986).

Religiosity and Consumer Behaviour

A number of studies support the application of religiosity construct in consumer research (e.g. Sood and Nasu, 1995, Delener, 1994, Delener, 1990). For instance, Sood and Nasu(1995) examine the effect of religiosity on shopping behaviour between Japanese and American consumers. They found that there is no difference in consumer shopping behaviour between devout and casually religious Japanese individuals. Sood and Nasu(1995) attributed this to the fact that religion is not an important element in the overall Japanese culture. On the other hand, in the USA devout Protestants were found to be: more economic, they bought products on sale, shopped in stores with lower prices, were open to buying foreign made goods, believed that there was little relationship between price and quality, tended not to believe advertising claims while preferring subtle and informative advertisements.

The significant role of religiosity on perceived risk in purchase decision has been explored by Gentry et al. (1988) whose study reported that residents in areas with higher levels of religiosity perceive higher levels of risk with new products. Their findings are corroborated by Delener's(1994, 1990) two studies which indicate that pro religious consumers tended to perceive higher risks than non-religious consumers.

Delener(1994) concluded that marketers should emphasise the decision maker's religiousness in decision making process.

Siguaw and Simpson (1997) examined the effects of religiosity among Catholic, Protestant, Fundamentalist and others on two important shopping characteristics: Sunday shopping and outshopping. The results of their study verify that religiosity has a significant effect on outshoppingbehaviour and attitudes as well as on Sunday shopping behaviour and beliefs. Individuals scoring high on the spiritual and devotional dimensions spent significantly fewer of their retail dollars outshopping than their less religious counterparts. Similarly, McDaniel and Burnett (1990) suggest that religiosity may be significant in predicting the importance individuals place on certain store evaluative criteria. The results from their study show that consumers with a high degree of cognitive religious

Original Article

commitment viewed the friendliness of sales personnel, shopping efficiency, and product quality as being of greater importance in selecting a retail store than did those low in cognitive religious commitment. Study by Choi et al. (2010), on the other hand, investigates how the consumer's use of various product information sources can differ depending on their levels of religiosity (i.e. high, low, and none). Highly religious Korean consumers are more likely to choose members of their same religious group when they look for product information than those consumers who are less religious. This finding indicates that when consumers are more religiously devoted, they are more likely to hear opinions or thoughts about products from those who believe and practise the same religion. Vitell et al. (2005) investigate the role of religiosity in determining consumer attitudes and beliefs in various situations regarding questionable consumer practices. Two dimensions of religiosity were studied, which are: intrinsic and extrinsic religiousness. Their results indicate that an intrinsic religiousness was a significant determinant of consumer ethical belief while extrinsic religiousness was not related to those beliefs.

Religiosity and Advertising.

The influence of religiosity on consumer behaviour has also been investigated in the aspect of consumer attitudes toward advertising (Fam et al., 2004, De Run et al., 2010, Michell and Al-Mossawi, 1995, Rice and Al-Mossawi, 2002).

For instance, Michell and Al-Mossawi (1995) investigated the religiosity effect on consumer attitudes toward advertising messages among Christians and Muslims.

They found that both Christian and Muslim respondents with higher levels of religiosity had significantly less favourable attitudes towards a contentious message, and conservative Muslims had much lower recall scores than liberal Muslims. In another study which used four main religious groups as samples, namely: Buddhism, Islam, Christian and non-religious believers (mainly Taoists and Confucians), Fam et al. (2004) found that Muslims and religiously devout respondents found the advertising of gender or sex related products (e.g. female and male underwear) more offensive relative to other religions. De Run et al.'s (2010) study of Malay Muslims in Malaysia found similar results. In this case the authors found that the more religious groups will react more intensely if the products advertisements contain nudity, sexist images, violence, or subject matter that is too personal. More recently, Akhter (2011) found that level of offensiveness towards advertisements of controversial products was found to be significantly associated with religious perceptions and nature of advertising appeals. Nudity and sexist images as advertising appeals were found to have significant association with the level of offensiveness of the consumers. Based on the previous findings, this study investigates the relationship between religiosity and controversial products and offensive nature of advertising appeals.

Controversial Product Advertising

Apart from that, the ethics in advertising researches also focus on advertising controversial products such as cigarettes, undergarment, condoms, and feminine hygiene products. Those companies with products that can be considered to be offensive to some segments of the public must be aware of the things that might offend their customers and be socially responsible enough to refrain from openly being offensive (Waller, 2004). Due to the fact that females have direct and indirect influence over purchase decision, it is advisable to consider their perceptions towards advertisements even they are not the intended audience because women adopt certain coping strategies that entail complaining to others thus negative word-of-mouth can lead to the detriment of a brand (Christy, 2006). In another study focusing on business major university students, Waller (1999) found out that the five

Original Article

products/services/ideas that are perceived as offensive by the customers are the advertisements of racially extremist groups, religious denominations, female hygiene products, cigarettes, and political parties.

A cross-cultural study done to access the nature of advertising of controversial products in New Zealand, UK, Malaysia and Turkey has confirmed that racism and racist images are of concern to all those sampled (Waller, Fam, & Erdogan, 2005).

While most of the studies done on offensive advertising are focused on print media and television, the introduction of new technologies have opened a new media that are also prone to offensive advertising and such media can be best represented by the Web. A survey of 240 respondents in Hong Kong has found out that the respondents indicated that gambling and online chatting services have been chosen as the most offensive products to be advertised on the Web (Prendergast & Hwa, 2003). It was also found out that the level of advertising offensiveness can affect the outcome of the customers' purchase intentions (Prendergast, Ho, & Phau, 2002).

Apart from that, the autonomy of making purchasing decision is very important to the consumers. Some scholars argue that the unethical practice of advertising also deny the autonomy and privacy of consumers (Sneddon, 2001). Some forms of irrational persuasion may have an adverse effect on consumer autonomy and therefore should be considered as immoral (Emamalizadeh, 1985). There are also scholars who believe that it is up to the customers' judgment in purchasing decision but this argument is refuted by Crisp (1987) who believes that persuasive advertising manipulates the customers without their knowledge and for no good reason. The heavy use of technical jargon in advertising has undermined consumers' authority in making decision due to lack of formal education and experience of the products themselves (Gaudio, 2007).

Methodology

The present study employed quantitative (i.e. survey questionnaire) method in the collection of the primary data. The data collection process was conducted over a period of six weeks. For the purpose of this study, survey questionnaires were distributed to students aged between 18 and 25 year old studying at a local university in the South of Peninsular of Malaysia. Students studying at this university come from all over Malaysia. A total of 278 survey questionnaires were received and accepted to be analysed.

The survey questionnaire was divided into 3 main sections. First section contained a list of controversial products, second section contained a list of five advertising appeals used in advertisements to attract customers and third section contained measuring the level of religiosity.

Items for these sections were based on previous studies (De Run et al., 2010, Abdul Shukor and Jamal, 2013, Akhter et al., 2011). All items were measured by asking respondents questions in the form of a five point Likert scale ranging from '1' (strongly disagree or not offensively at all) to '5' (strongly agree or extremely offensive). SPSS software was used to analyse the data. Descriptive statistics, correlation and t-tests were applied to analyse the data. Reliability of the data was measured and the value of Cronbach's Alpha was 0.869 which above the recommended value of 0.7 (Hair et al., 2010).

Findings and Discussion

Descriptive Analysis

This section will report on the frequency for all items related to all constructs in this study. As depicted in Table 1, among the lists of controversial products, it was found that alcohol, cigarettes, condoms and gambling were deemed as offensive by the respondents as evidenced by more than 60% of the respondents answering "offensive" and "extremely offensive". Alcohol was found to be the most offensive among all these controversial products.

Original Article

On the other end, products such as charities, pharmaceuticals, funeral services, weight loss programs and sexual diseases were deemed by the respondents to be not offensive. In terms of advertising appeals for controversial products, sexist images was found to be on top of the list of being the most offensive advertising appeal, with 69.5% of the respondents claimed that sexist images were “offensive” and “extremely offensive” as summarised in Table 2. Another advertising appeal that was found to be controversial was nudity as shown by 61.9% of the respondents answered “offensive” and “extremely offensive”. The other advertising appeals such as indecent language, western or US images, and anti-social behaviour were not deemed to be offensive. The descriptive analysis for religiosity shown in Table 3 showed that the majority of the respondents agreed or strongly agreed that religion was important.

Table 1: Descriptive Analysis for Offensiveness towards Controversial Products

Item Name	Not offensive at all	Not offensive	Neutral	Offensive	Extremely offensive	Average
Alcohol	50	13	15	44	123	3.86
Charities	118	32	44	33	15	2.21
Cigarettes	43	10	32	60	97	3.75
Condoms	50	17	19	37	118	3.72
Female contraceptives	29	28	89	42	45	3.16
Female hygiene products	34	35	97	46	26	3.00
Female underwear	31	31	73	56	48	3.29
Funeral services	52	41	103	26	14	2.61
Gambling	45	12	15	30	135	3.85
Guns and armaments	43	16	56	58	63	3.35
Male underwear	43	25	76	45	48	3.14
Pharmaceuticals	68	43	83	30	14	2.51
Political parties	28	26	113	51	20	3.06
Racially extremist groups	26	25	61	61	66	3.53
Religious denominations	24	29	99	53	31	3.16

Original Article

Sexual diseases (AIDS, STD prevention)	57	24	65	37	51	2.98
Weight loss programs	54	26	106	33	19	2.76

(1=Not offensive at all, 5 = Extremely offensive)

Table 2: Descriptive Analysis for Advertising appeals for Controversial products

Item Name	Not offensive all	Not offensive	Neutral	Offensive	Extremely offensive	Average
Anti-social behaviour	28	34	98	50	28	3.09
Indecent language	23	20	71	43	80	3.59
Nudity	36	16	38	20	126	3.78
Sexist images	39	13	20	34	130	3.86
Western / US Images	30	17	68	69	53	3.43

(1=Not offensive at all, 5 = Extremely offensive)

Table 3: Descriptive Analysis for Religiosity

Item Name	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Average
I believe in Allah	0	0	0	3	233	4.99
I avoid shameful acts	3	1	13	60	159	4.57
I always perform my duty as a Muslim (e.g., pray five times a day, fasting during the month of Ramadhan,	0	0	5	43	188	4.78

Original Article

pilgrimage to Mecca) to Allah						
My religion is not very important to me(negative statement)	218	5	1	2	10	1.22
It is important for me to follow Allah's Commandments conscientiously	5	0	3	17	210	4.80
It is not important for me to do good deeds for others(negative statement)	162	42	8	10	12	1.57
It is important for me to show good manners to everyone	3	6	15	45	167	4.56
It is my duty to respect the rights of everyone	3	1	7	51	173	4.64
Religious beliefs influence all my dealings with others	4	1	18	62	151	4.50
In general, I consider myself as a devoted Muslim	2	0	17	64	153	4.55

(1=Strongly agree, 5 = Strongly disagree)

Original Article

Correlation and t-test Analysis

Table 4 showed the results of correlation analysis between religiosity and controversial products. For the correlation between religious perception and the controversial products, the results showed that there were significant associations between religiosity and the following controversial products namely cigarettes ($r=0.139$, $p=0.05$), condoms ($r=0.133$, $p=0.05$), guns and armaments ($r=0.132$, $p=0.05$), and male underwear ($r=0.172$, $p=0.01$). Table 5 shows the results of correlation analysis between religiosity and advertising appeals for controversial products. Results showed that there is a significant positive association between religiosity and anti-social behaviour ($r=0.132$, $p=0.05$). Although there were positive correlation between religious perception and other advertising appeals such as indecent language, nudity, sexist images and western/US images, the correlations between each pair was not significant.

Table 4: Association between Religiosity and Controversial Products

		Alcohol	Charities	Cigarettes	Condoms	Female contraceptives	Female hygiene products	Female underwear	Funeral services	Gambling	Guns and armaments	Male underwear	Pharmaceuticals	Political parties	Racially extremist groups	Religious denominations	Sexual diseases	Weight loss programs	Overall IR
Alcohol	Pearson Correlation	1	.401**	.816**	.868**	.593**	.001	.337**	.072	.859**	.669**	.521**	-.308**	.130*	.576**	.102	.097	.217**	.108
Charities	Pearson Correlation	.401**	1	.312**	.414**	-.146*	.212**	-.120	.259**	.447**	-.316**	-.209**	.473**	.152*	.263**	.163*	.131*	.374**	.073
Cigarettes	Pearson Correlation	.816**	.312**	1	.777**	.537**	.003	.225**	.022	.788**	.527**	.418**	-.217**	.162*	.517**	.103	.160*	.120	.139*
Condoms	Pearson Correlation	.868**	.414**	.777**	1	.630**	.034	.419**	.154*	.823**	.666**	.586**	-.275**	.153*	.545**	.160*	.182**	.133*	.133*

Original Article

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Female contraceptives	Pearson Correlation	.593**	.146*	.537**	.630**	1	.351**	.520**	.287**	.534**	.500**	.510**	-.077	.223**	.438**	.208**	.249**	.084	.117

		Alcohol	Charities	Cigarettes	Condoms	Female contraceptives	Female hygiene products	Female underwear	Funeral services	Gambling	Guns and armaments	Male underwear	Pharmaceuticals	Political parties	Racially extremist groups	Religious denominations	Sexual diseases	Weight loss programs	Overall IR
Female hygiene products	Pearson Correlation	.001	.212**	.003	.034	.351**	1	.431**	.342**	.002	.049	.237**	.173**	.195**	.062	.169**	.185**	.259**	.022
Female underwear	Pearson Correlation	.337**	.120	.225**	.419**	.520**	.431**	1	.330**	.310**	.345**	.694**	-.061	.256**	.256**	.219**	.009	.082	.048
Funeral services	Pearson Correlation	.072	.259**	.022	.154*	.287**	.342**	.330**	1	.092	.240**	.299**	.309**	.417**	.165*	.340**	.257**	.346**	.012
Gambling	Pearson Correlation	.859**	.447**	.788**	.823**	.534**	.002	.310**	.092	1	.692**	.500**	-.312**	.181**	.641**	.118	.139*	.243**	.107

Original Article

Guns and armaments	Pearson Correlation	.669**	.316**	.527**	.666**	.500**	.049	.345**	.240**	.692**	1	.507**	-.189**	.256**	.532**	.233**	.150*	.063	.132*
Male underwear	Pearson Correlation	.521**	.209**	.418**	.586**	.510**	.237**	.694**	.299**	.500**	.507**	1	-.093	.314**	.332**	.222**	.047	.068	.172**
Pharmaceuticals	Pearson Correlation	.308**	.473**	.217**	.275**	-.077	.173**	-.061	.309**	.312**	-.189**	-.093	1	.353**	.105	.282**	.329**	.496**	.010
Political parties	Pearson Correlation	.130*	.152*	.162*	.153*	.223**	.195**	.256**	.417**	.181**	.256**	.314**	.353**	1	.323**	.510**	.335**	.332**	.030
Racially extremist groups	Pearson Correlation	.576**	.263**	.517**	.545**	.438**	.062	.256**	.165*	.641**	.532**	.332**	-.105	.323**	1	.352**	.201**	.045	.028
Religious denominations	Pearson Correlation	.102	.163*	.103	.160*	.208**	.169**	.219**	.340**	.118	.233**	.222**	.282**	.510**	.352**	1	.249**	.234**	.061
		Alcohol	Charities	Cigarettes	Condoms	Female contraceptives	Female hygiene products	Female underwear	Funeral services	Gambling	Guns and armaments	Male underwear	Pharmaceuticals	Political parties	Racially extremist groups	Religious denominations	Sexual diseases	Weight loss programs	Overall IR

Original Article

Sexual disease s	Pear son Corr elati on	.09 7	.13 1*	.16 0*	.18 2**	.249**	.18 5**	.009	.2 57**	.13 9*	.150 *	.047	.329**	.33 5**	.20 1**	.249**	1	.34 0**	.03 4
Weight loss progra ms	Pear son Corr elati on	.21 7**	.37 4**	.12 0	.13 3*	.084	.25 9**	.082	.3 46**	.24 3**	-. .063	.068	.496**	.33 2**	.04 5	.234**	.34 0**	1	.00 1
Overall IR	Pear son Corr elati on	.10 8	.07 3	.13 9*	.13 3*	.117	.02 2	.048	.0 12	.10 7	.132 *	.172 **	.010	.03 0	.02 8	.061	.03 4	.00 1	1

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Table 5: Association between Religiosity and Advertising Appeals for Controversial Products

Correlations						
	Anti-social behaviour	Indecent language	Nudity	Sexist images	Western/ US image	OverallIR
Antisocial behaviour	1					
Indecent language	.407**	1				
Nudity	.269**	.676**	1			
Sexist images	.254**	.627**	.885**	1		
Western/ US image	.238**	.541**	.700**	.757**	1	
OverallIR	.132*	.085	.099	.075	.122	1

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Results in Table 6 showed that there was a significant difference in the score of sexist images for male (M=3.4, SD=1.63) and female (M=3.95, SD=1.49); $t(234) = -2.106, p = 0.036$. There was a significant difference in the

Original Article

score of western/US image for male (M=3.0, SD=1.45) and female (M=3.5, SD=1.21); $t(235) = -2.288$, $p = 0.023$. Table 7 showed results of gender differences in offensiveness towards controversial products. The results showed that there was a significant difference in the score of cigarettes for male (M=3.08, SD=1.49) and female (M=3.76, SD=1.45); $t(240) = -2.742$, $p = 0.007$, female underwear for male (M=2.88, SD=1.38) and female (M=3.32, SD=1.24); $t(237) = -2.031$, $p = 0.043$ and sexual diseases for male (M=2.56, SD=1.46) and female (M=3.09, SD=1.44); $t(232) = -2.085$, $p = 0.038$.

Table 6: Gender Differences in Advertising Appeals for Controversial Products

	Male	Female	Sig.	t	df	Sig. (2tailed)	Mean Difference
Anti social behaviour	3.0750	3.0657	.168	.047	236	.962	.00934
Indecent language	3.4500	3.6041	.690	-.685	235	.494	-.15406
Nudity	3.4000	3.8571	.085	-1.745	234	.082	-.45714
Sexist images*	3.4000	3.9541	.106	-2.106	234	.036	-.55408
Western/ US image*	3.0000	3.4975	.419	-2.288	235	.023	-.49746

**. Significant at the 0.01 level (2-tailed).

*. Significant at the 0.05 level (2-tailed).

Table 7: Gender Differences in Offensiveness Towards Controversial Products

	Male	Female	Sig.	t	df	Sig. (2tailed)	Mean Difference
Alcohol	3.5000	3.7659	.191	-.964	243	.336	-.26585
Charities	2.2000	2.1436	.943	.246	240	.806	.05644
Cigarettes*	3.0750	3.7673	.765	-2.742	240	.007	-.69233
Condoms	3.2250	3.7313	.048	-1.821	239	.070	-.50634
Female contraceptives	2.9250	3.2539	.056	-1.531	231	.127	-.32889
Female hygiene products	2.8500	3.0051	.117	-.768	236	.443	-.15505
Female underwear*	2.8750	3.3216	.362	-2.031	237	.043	-.44661
Funeral services	2.5500	2.6276	.116	-.398	234	.691	-.07755
Gambling	3.5128	3.8990	.104	-1.389	235	.166	-.38617

Original Article

Guns and armaments	3.3250	3.3520	.836	-.110	234	.912	-.02704
Male underwear	2.8000	3.1929	.374	-1.684	235	.093	-.39289
Pharmaceuticals	2.4500	2.5000	.287	-.241	236	.810	-.05000
Political parties	2.9000	3.0657	.103	-.897	236	.371	-.16566
Racially extremist groups	3.2750	3.5276	.001	-1.129	237	.260	-.25264
Religious denominations	3.1500	3.1633	.028	-.068	234	.946	-.01327
Sexual diseases*	2.5641	3.0923	.567	-2.085	232	.038	-.52821
Weight loss programs	2.5000	2.7828	.073	-1.376	236	.170	-.28283

** . Significant at the 0.01 level (2-tailed).

* . Significant at the 0.05 level (2-tailed).

Limitations and Future Research

This study revealed that religiosity is positively related to controversial products and offensive nature of advertising. Findings from this study are consistent with previous studies that show a significant relationship between religiosity and consumer behaviours. The results obtained from this empirical work must be interpreted in the light of the study's limitations. In this study, survey questionnaires were distributed at a religious-based institution; hence its results might reflect only a section of the whole society. Future studies might want to explore the relationship between religiosity and across generations.

Studies examining relationship between these two constructs will have important implications for segmentation, targeting and advertising strategy.

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Original Article

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