

UNIVERSITI PUTRA MALAYSIA

IMPACT OF MEDIA LITERACY ON SOFT DRINK CONSUMPTION AMONG ADOLESCENTS IN KLANG VALLEY, MALAYSIA

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By

NUR NADIRAH BT MOHAMMAD SHAHID

Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia, in Fulfilment of the Requirements for the Degree of Master of Science

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Abstract of thesis presented to the Senate of Universiti Putra Malaysia in fulfilment of the requirement for the degree of Master of Science

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November 2015

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Food and beverage advertisements could influence adolescents' food choices and affect their healthy diet. The influence of advertisements is getting worse when the marketers use misleading messages in soft drink advertisements to attract adolescents. For instance, media literacy was found to be a preventive measure in saving culture from being misled by soft drink advertisements, and therefore four objectives were proposed for this study. Firstly, this study determined soft drink intake among adolescents in Klang Valley area. The second objective was determined media literacy score and level among adolescents towards soft drink advertisement. Next, the third objective was to investigate the relationships between attitudes, subjective norms and perceived behavioural control and the intention of soft drink consumption among adolescents. Lastly, the last objective was aimed at identifying the relationships between attitudes, subjective norms, perceived behavioural control, the intention of soft drink consumption and media literacy score among adolescents in Klang Valley.

A cluster sampling method was used in collecting data within Klang Valley area. A total of 500 questionnaires were distributed to adolescents aged between 13 to 18 years old at selected secondary schools in Klang Valley. Two main scales utilised were Theory of Planned Behaviour (TPB) scale and Media Literacy (ML) scale. The descriptive, exploratory factor analysis, multiple linear regression, and Pearson product-moment correlation analyses were carried out to answer the research objectives. Results revealed that 36% of respondents drank a minimum of 1 can, bottle or glass of soft drink for the past seven days and possessed good level of media literacy (45.1%). Meanwhile, the TPB constructs explained 14% of variance in adolescents' intention of soft drink consumption. In addition, the total media literacy score towards soft drink advertisement was significantly positive to correlate with attitude (r = 0.250, p<.01) and subjective norms (r = 0.174, p<.01). Conversely, total media literacy was significantly negative to correlate with intention to consume soft drink (r = -0.19, p<.01) and indicated that media literacy could lower the intention to consume soft drink, thus reduce soft drink consumption among adolescents.

Several implications were highlighted to the authorities including Ministry of Health to better understand the trend of soft drink consumption. These implications were also proposed to Ministry of Education to create awareness on media literacy and consider the idea to safeguard and prevent adolescents from being misled by the media, especially on unhealthy food and beverage advertising. Moreover, the findings of this study were hoped to also help soft drink marketer and producers to understand media literacy and adolescents' soft drink consumption behavior. Other than that, recommendations for future research including using semi-structure in-depth personal interview or focus group were suggested to yield more in-depth data. Finally, it was suggested that future studies should include adolescents in both urban and rural areas in Malaysia, to better enable generalisation of findings.



Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk Ijazah Sarjana Sains

IMPAK LITERASI MEDIA KE ATAS PENGAMBILAN MINUMAN RINGAN DI KALANGAN REMAJA DI LEMBAH KLANG, MALAYSIA

Oleh

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Pengiklanan makanan dan minuman boleh mempengaruhi pemilihan makanan di kalangan remaja dan boleh memberi kesan ke atas diet sihat mereka. Pengaruh pengiklanan ini semakin membimbangkan di mana pihak pengeluar menggunakan mesej yang mengelirukan di dalam iklan minuman ringan untuk menarik minat remaja. Sebagai contoh, literasi media telah ditemui untuk dijadikan sebagai kaedah pencegahan dari iklan minuman ringan yang mengelirukan. Oleh itu, empat objektif telah dicadangkan untuk kajian ini. Objektif yang pertama ialah meneliti pengambilan minuman ringan di kalangan remaja di kawasan Lembah Klang. Objektif kedua adalah untuk menentukan skor dan tahap literasi media di kalangan remaja terhadap iklan minuman ringan. Objektif ketiga pula adalah untuk mengkaji hubungan di antara sikap, norma subjektif dan kawalan tingkah laku dengan niat untuk meminum minuman ringan di kalangan remaja. Akhir sekali, objektif terakhir adalah bertujuan untuk mengenal pasti hubungan di antara skor literasi media dengan sikap, norma subjektif, kawalan tingkah laku dan niat terhadap pengambilan minuman ringan di kalangan remaja.

Kaedah persampelan kelompok telah digunakan untuk mengutip data di kawasan Lembah Klang. Sebanyak 500 borang soal selidik telah diedarkan kepada remaja yang berusia diantara 13 hingga 18 tahun di beberapa buah sekolah menengah yang terpilih di Lembah Klang. Dua skala utama yang digunakan dalam penyelidikan ini ialah "Teori Tingkah Laku Terancang" (TTLT) skala dan Literasi Media skala. Analisis deskriptif, analisis "Exploratory Factor", analisis "Multiple Regression" dan analisis "Pearson Product-moment Correlation" telah dijalankan untuk menjawab objektifobjektif penyelidikan. Hasil kajian menunjukkan bahawa responden yang minum sekurang-kurangnya 1 tin, botol atau gelas minuman ringan dalam tempoh tujuh hari yang lalu mencatat peratusan sebanyak 36% dan mempunyai tahap literasi media yang baik (45.1%). Sementara itu, 14% daripada varians dalam niat remaja untuk meminum minuman ringan dijelaskan oleh konstruk TTLT. Selain itu, jumlah skor literasi media terhadap iklan minuman ringan mempunyai perhubungan bererti yang positif dengan sikap (r = 0.250, p<.01) dan norma subjektif (r = 0.174, p<.01). Sebaliknya, jumlah skor literasi media mempunyai hubungan bererti yang negatif dengan niat untuk meminum minuman ringan (r = -0.19, p<.01). Ia menunjukkan bahawa literasi media boleh mengurangkan keinginan atau niat untuk mengambil minuman ringan dan dengan itu dapat mengurangkan pengambilan minuman ringan di kalangan remaja.

Beberapa implikasi telah diberi penekanan kepada pihak berkuasa termasuk Kementerian Kesihatan Malaysia untuk lebih memahami tentang haluan pengambilan minuman ringan. Implikasi ini juga telah di syorkan kepada Kementerian Pelajaran Malaysia untuk mewujudkan kesedaran tentang literasi media dan menimbangkan idea untuk melindungi dan mencegah remaja daripada terus dikelirukan oleh media terutamanya dari pengiklanan makanan dan minuman yang tidak sihat. Selain itu, dapatan kajian ini juga diharap dapat membantu pemasar dan pengeluar minuman ringan untuk memahami literasi media dan tingkah laku pengambilan minuman ringan di kalangan remaja. Di samping itu, cadangan untuk kajian akan datang mengesyorkan metodologi kajian dengan mewawancara individu secara separa struktur ataupun dalam kumpulan, kerana ia dapat memberi maklumat yang lebih mendalam. Akhir sekali, kajian pada masa hadapan juga harus melingkungi remaja di kawasan bandar dan luar bandar di Malaysia supaya dapat memberi penemuan dan gambaran umum untuk dapatan kajian seluruh negara.

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This thesis was submitted to the Senate of Universiti Putra Malaysia and has been accepted as fulfillment of the requirement for the degree of Master of Science. The members of the Supervisory Committee were as follows:

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TABLE OF CONTENTS

		Page
ABSTRAC ABSTRAK ACKNOW APPROVA DECLARA LIST OF T	/LEDGEMENTS AL ATION FABLES	i iii v vi viii xii xiii
СНАРТЕВ	2	
1	INTRODUCTION 1.1 Introduction 1.2 Background of study 1.3 Problem in context 1.4 Research Questions 1.5 Objectives 1.6 Significance of study 1.7 Organisation of the thesis 1.8 Conclusion	1 1 1 3 4 4 5 6 7
2	LITERATURE REVIEW 2.1 Introduction 2.2 Food Marketing 2.3 Soft drink consumption 2.4 Adolescent and food advertising 2.5 Misleading advertisement 2.6 Media literacy 2.7 Theory of Planned Behaviour as theoretical background 2.8 Constructs of the Theory of Planned Behaviour (TPB) 2.9 Theoretical framework of the study 3.0 Conclusion	8 8 8 10 12 14 16 18 23 25 28
3	METHODOLOGY 3.1 Introduction 3.2 Research Design 3.3 Location of study 3.4 Sampling 3.4.1 Target population 3.4.2 Sampling technique 3.4.3 Sample size 3.4.4 Research instrument design 3.4.5 Operationalisation of constructs 3.4.6 Pilot study 3.5 Data collection method	29 29 29 30 30 30 31 31 32 32 37 40

	3.6	Data analysis 3.6.1 Response rate 3.6.2 Validity analysis 3.6.3 Reliability analysis 3.6.4 Preliminary analysis 3.6.5 Descriptive and inferential analysis Conclusion	42 42 43 44 44 46 47
4	4.1 4.2	4.3.1 Socio-demographic profile of	49 49 49 50 50
	4.4	respondent 4.3.2 Objective 1 4.3.3 Objective 2 Factor analysis 4.4.1 Theory of Planned Behavior	53 55 57 58
	4.6	(TPB) 4.4.2 Media literacy Multiple linear regression analysis Pearson product-moment correlation analysis	61 63 67
5	SUI RE	Conclusion MMARY, LIMITATION AND COMMENDATIONS FOR FUTURE SEARCH	70 71
		Introduction	71 71 71 72 72 77
	5.4 5.5 5.6	5.3.2 Managerial implication	78 79 80 81
REFEREN APPENDIO BIODATA LIST OF P	CES OF S'		83 98 133 134

LIST OF TABLES

Table		Page
2.1	Summary of latest soft drink consumption researches on adolescent	11
2.2	7	
	food behaviour	
3.1	Media literacy domains and items	36
3.2	Demographic profile of respondents from pilot study (n = 30)	
3.3	Alpha coefficient of reliability on the variables (Pilot test and actual study)	39
3.4	Total number of schools for ten clusters in Klang Valley	41
3.5	Response rate of the study	42
4.1	Respondents' demographic profile (n=436)	51
4.2	Respondents' soft drink intake during the past seven days	53
4.3	Respondents' choices of type of soft drink respondent usually drink	54
4.4	Descriptive statistics for total score of media literacy	55
4.5	Calculation score range of media literacy categories	56
4.6	Respondents' media literacy level	57
4.7	Kaiser-Meyer-Olkin and Bartlett's test for Theory of Planned	58
	Behavior construct	
4.8	Exploratory factor analysis on attitude towards soft drinks, subjective	60
	norms and perceived behavioral control	
4.9	Kaiser-Meyer-Olkin and Bartlett's test for media literacy	61
4.10	Exploratory factor analysis on media literacy scale	62
4.11	Multiple linear regression of attitude towards soft drink, subjective	66
	norms and perceived behavioural control to predict respondents'	
	intention to consume soft drinks	
4.12	Multiple linear regression of two models determining respondents'	67
	intention to consume soft drink	
4.13	Correlation between attitudes towards soft drink, subjective norms,	134
	perceived behavioural control, intention to consume soft drinks and	
	media literacy	
5.1	Hypotheses testing for research question 3	74
5.2	Hypotheses testing for research question 4	76

LIST OF FIGURES

Table		Page
2.1	Theory of Planned Behaviour (Ajzen, 1991)	23
2.2	Theoretical framework of the TPB and media literacy	25
4.1	Correlation between attitudes towards soft drink, subjective norms, perceived behavioural control, intention to consume soft drinks and	68
	media literacy	



LIST OF APPENDICES

Table		Page
1	Consent Letter	98
2	Questionnaire	102
3	Table and Graph of Results	119



CHAPTER 1

INTRODUCTION

1.1 Introduction

The first chapter comprises of five main sections. The first section explains general information soft drink advertising targeted to adolescents. This is followed by the effect of food marketing on soft drink consumption behavior. The second section, the issue and problems related to the studies were identified. Next, the research questions and objectives are focused in the third and fourth sections. The last main section covers the significance of study to the educational and empirical applications.

1.2 Background of study

In recent years, the number of unbalanced nutritional food and beverage advertisements had increased around the world including Malaysia. A study comparing television food advertising patterns in eleven countries such as Australia, Brazil, Hong Kong, China and Italy reported that the majority of advertised foods contained high energy density and low nutrient non-core foods (Kelly et al., 2010). For instance, five top unbalanced nutritional food product advertisements for adolescents aged 12-17 years old in United States of America (USA) were identified namely fast food (23.2%), cereals (11.5%), candy (7.2%), regular soft drinks (6%) and candy bars (5.9%) (Powell, Szczypka,&Chaloupka, 2007). Moreover, viewer's food choices towards higher fat or higher energy density food may be influenced by exposure to food advertising especially for soft drinks (Story, Neumark-Sztainer, & French, 2002). Targeted marketing of high - calorie foods and beverages may contribute to life style that influence people to gain weight, leading to obesity and other diet-related chronic conditions (Grier & Kumanyika, 2008). Meanwhile in Malaysia, non-core food advertising and mainly sugary drinks are commonly screened on television channels especially during school holidays (Ng et al., 2014).

According to Harnack, Stang, and Story (1999), adolescents tend to consume soft drink as compared to preschool and school-aged children, whereby boys consume soft drinks higher than girls. Therefore, marketers advertise soft drink products by targeting adolescent group through engaging young models, athletes, extreme and fun activities in their advertisement. Furthermore, adolescents are also the target market for soft drink industry since they are now becoming more independent in making their own purchasing decisions. Many adolescents have the buying power due to having parttime jobs and pocket money given by their parents (Scully et al., 2012; Othman, Boo, & Wan Rusni, 2013). In the USA, the total income of adolescents had grown to USD 118 billion in 2011 as compared to USD 80 billion in 2007 (Montgomery & Chester, 2009).

Over the years, the most common and popular form of marketing food product among adolescents has been food advertisements through television, radio, newspaper, the Internet and others (McDaniel, Lamb, &Hair, 2008). In fact, the USA food manufacturers spent over 75% of their budget to advertise food products on television (Story & French, 2004). Besides, approximately USD 1 billion was spent every year on youth-oriented media advertising especially on television in USA (Story & French, 2004). For example in Korea, close to USD 165 million was allocated for advertising and marketing by the food, beverage and restaurant industry with USD 54 million spent on television advertising (Han, Powell, & Kim, 2013). Moreover, television advertising was believed to be very effective at building strong brands as compared to other methods (Heath, 2009). For example, Coca Cola as one of the popular soft drink brands, had nearly 5315 appearances in 2008, and almost 15% was appeared on television. Surprisingly, during these appearances, the majority (61%) of viewers were adolescents (Speers, Harris, & Schwartz, 2011).

Besides, persuasive techniques such as the use of appeals were particularly used by advertisers in order to attract children and adolescents (Boyland & Halford, 2013). According to McDaniel, Lamb and Hair (2008), one of the reasons a person buys a product is due to its advertising appeal, which plays off of targets' emotion. Thus, food and beverage advertisements mostly create a theme as a new young lifestyle and brand that adolescents should have. However, the food and beverage advertisement sometimes mislead the adolescents. A misleading advertisement does not portray true information and facts about the product being advertised and may contain certain attributes include too much exaggerations, puffery and deceptions which can be misled and misinterpreted by the viewers (Sharma & Chander, 2011). For instance, misleading messages in food advertisements may recommend advertised foods as healthy by creating positive associations with development needs such as positive effect and popularity rather than nutrition (Vereecken & Maes, 2006). In addition, misleading advertisements also recommend that the target brand is better than competitors without declaring this claim directly (Darke & Ritchie, 2013). Therefore, marketers use these opportunities to influence adolescents' food and beverage preferences. Other than that, the tendency of adolescent watching misleading advertisements is quite high since about 19.6% of all national non-program content time exposure was food-related for adolescents aged between 12 to 17 (Powell, Szczypka, & Chaloupka, 2007).

There are several approaches were suggested to face misleading advertisement include media literacy. Media literacy was found to be a preventive measure for being misled by soft drink advertisements. Several experts agreed that media literacy is the ability to access, analyse, evaluate and create messages in variety forms (Aufderheide & Firestone, 1993; Committee on Public Education, 1999; Potter, 2004). With media literacy, adolescent able to comprehend the mass media production processes, their message meaning and how to use them wisely (Lloyd-Kolkin & Tyner, 1991). Moreover, media literate adolescents should be able to understand the media deeper and differentiate between non-misleading advertisement and misleading advertisement. Besides, media literacy in educational context based on health promotion, allows youth to inspect in detail media message that affects their perceptions and practice will teach them critical thinking skills to better view all the influences of these media messages and make a healthy choice (Bergsma & Carney, 2008). Perhaps with media literacy

initiative, adolescents could overcome being mislead by soft drink advertisement, thus soft drink consumption among adolescents eventually can be reduced.

1.3 Problem in context

The food industry, especially soft drink industry, has spent millions of dollars in advertisement to persuade consumers to drink more sugary foods and beverages. The carbonated soft drink sale in Malaysia has increased RM 1,551.4 million in 2012 to RM 1,624.6 million last year (2014) and it was forecasted to increase for the next four five years, 2019 (RM 2,127.0 million) (Business Monitor International, 2014). Because of this, the soft drink consumption in Malaysia especially among adolescents is expected to increase. Nearly 25% of adolescents consumed more than 738 ml of soft drink per day in USA (Harnack, Stang & Story, 1999). Meanwhile in Malaysia, 29.3% of 25507 students aged 13 to 17 years old usually drank carbonated soft drinks one or more times per day during the past 30 days (World Health Organization [WHO], 2012).

The high level of soft drink consumption has some health effects. Soft drink consumption has been associated to obesity in children and obesity in adolescence perseveres into adulthood and has adversely affected cardiovascular risk factors (Ludwig, Peterson, & Gortmaker, 2001; Srinivasan, Bao, Wattigney, & Berenson, 1996). According to awareness of health consequences from soft drink consumption, author of Coke's Unconscionable New Ad article, Faden (2013) responded to the Coca-Cola's statement: "All calories count. No matter where they come from including Coca-Cola and everything else with calories". Faden (2013) pointed out that Coca-Cola's latest effort to position itself against the rising tide of concern about the role of sodas in the obesity epidemic is unacceptable. This misleading message of advertisement will influence and misled adolescents to consume soft drink more because they would think Coca-Cola contains calories like others food and beverage. Marketing campaigns by food and beverage industry also claimed about a food's healthfulness and depictions of physical activity (Castonguay, McKinley, & Kunkel, 2013). For example, soft drink advertisements in Malaysia depict physical activity to convey the youthful while drinking soft drink. Furthermore, soft drink products are clearly high in sugar, some products that are not noticeably sweet but comprise high levels of sugar and whose packaging and promotion make them seem healthier than they actually are (Advertising Age, 2014).

Moreover, having misleading advertisements has become a critical issue since food and beverage advertising on television and has been identified as one of the factors influencing soft drink consumption among adolescent (de Bruijn & van den Putte, 2009). Besides, Jusoff and Sahimi (2009) found that children are usually influenced by the advertisement in which they think that television advertising is informative, truthful and entertaining as soon as they begin watching the television. Furthermore, young people would be affected by misleading advertisement since they could not interpret and analyses the hidden message in food and beverage advertisement. In recent times, study shows that children are unable to understand the self-interest and bias of

advertising messages, and they tend to accept commercial claims and appeals uncritically (Castonguay, McKinley, & Kunkel, 2013).

Since the number of soft drink consumption has been probably increasing through misleading messages in media advertising, it was suggested to counter attack with the same medium like media literacy. The function of media is to spread information and becoming informal education medium to reflect and influence consumer attitude in modern society (WHO, 2000). In educating the society about the misleading messages in advertisements, media literacy education can be a great help in which involves a critical examination of media messages that influences their perceptions and practices in making healthy choices especially on food and beverage preference (Bergsma & Carney, 2008). Based on the article Impact of Mass Media on Adolescent Health: The Dark Side, media literacy concept can be applied to reduce the negative influence of mass media on the health of young generation (Priyadarshini, 2010).

1.4 Research Questions

Based on the research objectives, this study attempts to answer the following research questions.

- i. Is soft drink intake high among adolescents in Klang Valley?
- ii. Are media literacy score and level towards soft drink advertisement high among adolescents?
- iii. Is there any relationship between attitudes, subjective norms, perceived behavioural control and the intention of soft drink consumption among adolescents in Klang Valley?
- iv. Is there any relationship between attitudes, subjective norms, perceived behavioural control, the intention of soft drink consumption and media literacy score among adolescents in Klang Valley?

1.5 Objectives

The main objective of this research is to investigate the relationship between media literacy level among adolescents with their soft drink consumption. Based on the primary objective, this research aims to achieve these specific objectives:

- i. To determine soft drink intake among adolescents in Klang Valley area.
- To determine media literacy score and level among adolescents towards soft drink advertisement.
- iii. To investigate the relationships between attitudes, subjective norms, perceived behavioural control and the intention of soft drink consumption among adolescents in Klang Valley.

iv. To identify the relationships between attitudes, subjective norms, perceived behavioural control, the intention of soft drink consumption and media literacy score among adolescents in Klang Valley.

1.6 Significance of study

Global School-based Student Health Survey (GSHS) was conducted in 2012 to provide accurate data on health behaviour including soft drink consumption among adolescents in Malaysia. One of the purposes of GSHS is to establish trends in the prevalence of health behaviour and protective factors by country for use in evaluating youth health promotion programs (WHO, 2013). The result from GSHS in 2012 would create soft drink consumption trends among adolescents in Malaysia. This study is hoped to provide and contribute newest data of soft drink consumption trend from previous research. Firstly, this study offers data of current soft drink intake among adolescent in Klang Valley, Malaysia. In addition, this study also provides new information on factors that influence soft drink consumption by using the Theory of Planed Behaviour constructs. Some researchers in western countries have determined other factors that influence soft drink consumption include attitude, subjective norms, behavioural control, gender, availability in home, parental rules and others (Tak et al., 2011; Denney-wilson, Crawford, Dobbins, Hardy, & Ded, 2009; Bere, Glomnes, te Velde, & Klepp, 2008; Kassem & Lee, 2004; Kassem, Lee, Modeste, & Johnston, 2003).

Moreover, this study provides knowledge on the factors influencing soft drink consumption that are associated with media literacy. The abundance of advertisement in the mass media and the Internet tends to increase probability of the existence of misleading food and beverage advertisement. Consequently, media literacy skill is important to comprehend misleading food and beverage advertisement since this situation would be one of the factors of high intake of soft drink consumption among adolescents. Therefore, this study also gives significant information about media literacy towards soft drink advertisement and the relationship between media literacy and the Theory of Planned Behaviour variables regarding of soft drink consumption among adolescents. The information gathered from this study could be suggested to help the authorities such as the Ministry of Health and the Ministry of Education to gain better understanding on media literacy.

Furthermore, this study gives awareness to soft drinks marketers and producers about misleading advertisements in their advertised soft drinks and provides a better understanding on soft drink consumption behaviour. For instance, misleading advertisements could turn into an important issue when some non-government and government agencies in western countries have set up some precautions and actions towards misleading advertising complaints. In addition, to prevent adolescent from being misled by the media especially on unhealthy food and beverage advertisements, media literacy could be a tool to educate adolescents from irresponsible media. Moreover, media literacy can enhance the ability in adolescents to interpret media message meaningfully and make a wiser purchasing decision on food and beverage,

thus reduce likelihood of obesity and unhealthy lifestyle among them. Besides the contribution on the practical aspect, this study also contributes to extend the body of literature in defining relationship between soft drink consumption and media literacy among adolescents in Malaysia.

1.7 Organisation of the thesis

This section describes the organisation of the thesis, which consists of five chapters:

Chapter one provides the introduction and background of study. Besides, this chapter also defines the problem statement followed by the research questions. Then, the objectives of study will be clarified and the significance of this study will be explained. This chapter also focuses on the organisation of the thesis for easy referencing.

Chapter two focuses on the literature review relevant to the research problem. First, the chapter presents an introduction and the effects of food marketing in soft drink consumption. Next, soft drink consumption among adolescents and why adolescents become as target market from food advertising will be discussed in this chapter. This chapter also introduces media literacy as one of the preventive methods of misleading advertisement. In addition, this chapter also refines the theoretical framework as a guideline for the exploration of the relationship between media literacy and soft drink consumption among adolescents in Klang Valley.

Chapter three emphasises on the methodology used in this study. This chapter also enlightens reader about research design and location of the study. Sampling design is also discussed in this chapter, including target population, sampling technique, sample size, research instrument design, items in questionnaire and pilot study. Moreover, this chapter also explains the procedure of data collection and data analyses that will be utilised to answer the research objectives.

Chapter four presents the result of data analysis and the result from the analysis will be elaborated and presented. The statistical analyses will be performed by using descriptive, Multiple Linear Regression and Pearson Product-Moment Correlation. Besides, this chapter also focuses on the discussion on the finding from the result. The discussion is based on the hypotheses created earlier in Chapter two.

Chapter five embraces the summary of findings in this study. Furthermore, this chapter also explains the implication of the study which highlights its theoretical contributions and managerial implication. Finally, the limitations of study and recommendations for future research for better research investigation are acknowledged and suggested.

1.8 Conclusion

This research aims to investigate the relationship between media literacy and soft drink consumption among adolescents. Intensive marketing via mass media nowadays could be one of factors that lead to increase soft drink consumption among adolescents. Misleading message in advertisement had been an issue since marketer wants to attract more adolescents to consume soft drink by conveying untruthful message. Thus, media literacy suggested as a remedy for adolescents to be aware of misleading message in soft drink advertisement. This idea will possibly decrease the soft drink consumption. This chapter also concludes the objectives of the study, problem statement followed by the significance of conducting this study. The following chapter will discuss on the literature review pertaining to the study.



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Appendix 2: Questionnaire





FACULTY OF FOOD SCIENCE AND TECHNOLOGY

Impact of Media Literacy on Soft Drink Consumption among
Adolescents in Klang Valley, Malaysia
Impak Literasi Media ke atas pengambilan Minuman Ringan di kalangan Remaja di
Lembah Klang, Malaysia

Dear respondents, Kepada responden,

You are cordial invited to participate in this research by answering the questionnaire attached. It would only take 15 minutes of your time to complete the questionnaire. The purpose of this study is to examine the association between media literacy and soft drink consumption among adolescents in Klang Valley. This study also aims to determine level of media literacy among adolescent towards soft drink advertisement.

This survey is voluntary, where there is no right or wrong answers. The data collected will be kept strictly confidential and anonymous for research purposes only. Please return the questionnaire to the researcher upon completion. Your participation and cooperation in this research are really appreciated. Thank you.

Assalamualaikum dan Salam Sejahtera.

Anda dipelawa sebagai responden untuk menjawab borang kaji selidik ini. Tempoh untuk menjawab borang kaji selidik ini ialah selama lima belas minit. Tujuan kajian ini dijalankan adalah untuk mengkaji hubungan di antara literasi media dan peminuman minuman ringan di kalangan remaja di Lembah Klang. Kajian ini juga bertujuan untuk menentukan tahap literasi media di kalangan remaja terhadap iklan minuman ringan.

Jawapan untuk borang kaji selidik ini berdasarkan kehendak sendiri, tiada jawapan benar atau salah. Borang kaji selidik ini adalah sulit dan identiti anda akan dirahsiakan kerana respon anda adalah untuk kajian semata-mata. Sila kembalikan borang kaji selidik ini kepada penyelidik setelah selesai. Kerjasama anda dalam menjayakan penyelidikan ini amatlah dihargai. Terima kasih.

<u>Section A : Socio-Demographic Characteristics</u> <u>Seksyen A : Ciri – ciri Sosio-Demografi</u>

Instruction: Please tick $(\sqrt{})$ the answer that best describes you or fill in the blank. *Arahan:* Sila tanda $(\sqrt{})$ kepada jawapan yang terbaik bagi menggambarkan anda dan isi tempat kosong yang berkenaan.

1.	Gender / Jantina Male / Lelaki [] Female / Perempuan []
2.	How old are you? / Berapakah umur anda?
3.	Ethnicity / Bangsa Malay / Melayu [] Chinese / Cina [] Indian / India [] Others / Lain-lain:
4.	What language do you use with your parents most of the times? Apakah bahasa yang sering anda gunakan untuk berinteraksi dengan ibu bapa anda? English / Inggeris Malay / Melayu Mandarin, Cantonese, Hokkien / Mandarin, Kantonese, Hokkien Tamil / Tamil Others / Lain-lain:
5.	What grades(s) do you usually get in school? Choose one answer that represents the grade(s) you get in most classes. Apakah gred yang selalu anda peroleh di sekolah? Pilih satu jawapan yang mewakili gred yang selalu anda peroleh dalam kebanyakan kelas. Mostly A's / Kebanyakannya A [] A's and B's / Kebanyakannya B [] Mostly B's / Kebanyakannya B [] B's and C's / B dan C [] Mostly C's / Kebanyakannya C [] C's and D's / C dan D [] Mostly D's / Kebanyakannya D [] D's and F's / D dan F [] Mostly F's / Kebanyakannya F []
6.	What are your parents' occupations? / Apakah pekerjaan ibu bapa anda? Father / Bapa:

<u>Section B: Pattern Of Soft Drink Consumption</u> <u>Seksyen B: Corak Peminuman Minuman Ringan</u>

Instruction: Please tick $(\sqrt{})$ the answer that best describes you or fill in the blank. *Arahan: Sila tanda* $(\sqrt{})$ *kepada jawapan yang terbaik bagi menggambarkan anda dan isi tempat kosong yang berkenaan.*

1.	When you drink soft drinks, what type do you usually drink? Apabila anda minum minuman ringan, apakah jenis minun biasanya anda minum?	nan i	ring	gan yang
	I don't drink soft drinks/ Saya tidak minum minuman ringan	Г	1	
	Cola (such as Coke, Pepsi) / Cola (seperti Coke, Pepsi)	Ĭ.	i	
	Citrus-flavored soft drinks (such as Sprite, 7-Up, Mountain Dew)	, i	ĺ	
	/ Minuman ringan berperisa sitrus (seperti Sprite, 7-Up, Mountai		v)	
	Fruit-flavored soft drinks (such as orange or grape soda)	[1	
	/ Minuman ringan berperisa buah-buahan (seperti soda oren, sod	la ang	ggui	r)
	Root Beer (such as A&W) / Root Beer (seperti A&W)	[]	
	Other (please specify) / Lain-lain (sila nyatakan)			
2.	During the past 7 days how often did you drinksoft drinks? Dalam tempoh 7 hari yang lepas, berapa kerap anda minum minu	ıman	ring	gan?
	Never / Tidak pernah	[]	
	Less than 1 can, bottle, or glass (500 ml – 600ml)	[]	
	/ Kurang daripada 1 tin, botol, atau botol kaca (500 ml - 600ml)			
	1 can, bottle, or glass / 1 tin, botol, botol kaca	[]	
	2-7 cans, bottles or glasses / 2-7 tin, botol, botol kaca	[]	
	More than 7 cans, bottles, or glasses / Lebih daripada 7 tin,	[]	
	botol, botol kaca			
3	When you drink soft drinks, do you usually drink regular or diet s	oft dr	ink	. ?
٥.	Apabila anda minum minuman ringan, adakah anda selalu			
	ringan jenis biasa atau minuman ringan jenis diet?	minu	111	minuman
	I don't drink soft drinks / Saya tidak minum minuman ringan	Г]	
	Regular soft drinks / Minuman ringan biasa	Ĺ]	
	Diet soft drinks / Minuman ringan diet	ĺ	i	
			J	
4.	During the past 7 days how often did you drink <u>DIET</u> soft drinks?	,		
	Dalam tempoh 7 hari yang lepas, berapa kerap anda minum min		rin	gan ienis
	diet?			G ,
	Never / Tidak pernah	ſ]	
	Less than 1 can, bottle, or glass (500ml – 600 ml)	í	j	
	/ Kurang daripada 1 tin, botol, atau botol kaca (500ml - 600ml)		•	
	1 can, bottle, or glass / 1 tin, botol, botol kaca	ſ]	
	2-7 cans, bottles or glasses / 2-7 tin, botol, botol kaca	j	j	
	More than 7 cans, bottles, or glasses / Lebih daripada 7 tin,	į	j	
	botol, botol kaca	_	_	

5. Are you allowed to drink unlimited soft drinks at home? Adakah anda dibenarkan minum minuman ringan tanpa had di rumah? Yes, most of the time / Ya, selalu Yes, almost always / Ya, hampir selalu Sometimes / Kadang kadang Rarely / Jarang Never / Tidak pernah []
Section C : Home Environment Variable Seksyen C : Faktor Persekitaran di Rumah
Instruction: Please tick $()$ the answer that best describes you or fill in the blank. Arahan: Sila tanda $()$ kepada jawapan yang terbaik bagi menggambarkan anda dan isi tempat kosong yang berkenaan.
1. How many hours PER DAY do you USUALLY spend watching TV away from school? Berapa jam SEHARI anda BIASANYA meluangkan masa menonton TV selain dari sekolah? I don't usually watch TV / Saya biasanya tidak menonton TV Less than 1 hour / Kurang dari 1 jam 1 hour / 1 jam 2 hours / 2 jam 3 hours / 3 jam 4 hours / 4 jam 5 hours / 5 jam 6 hours or more / 6 jam atau lebih []
2. How many TV's do you have in your home? Berapa buah TV terdapat di rumah anda?
3. Do you have a TV in your bedroom? Adakah anda mempunyai TV di dalam bilik tidur anda? Yes / Ya [] No / Tidak []
4. Do you have a computer in your home that you use? Adakah anda mempunyai komputer yang anda gunakan di rumah? Yes / Ya [] No / Tidak []
5. How many hours PER DAY do you USUALLY spend on the computer away from school? (Time on the computer includes time spent surfing the Internet, playing games and instant messaging) Berapa jam SEHARI anda BIASANYA meluangkan masa dengan komputer selain dari sekolah? (Meluangkan masa dengan komputer adalah termasuk melayari internet, bermain permainan dan pesanan ringkas) I don't use computer outside of school Saya tidak menggunakan komputer di luar sekolah Less than 1 hour / Kurang dari 1 jam []

1 hour / 1 jam 2 hours / 2 jam 3 hours / 3 jam 4 hours / 4 jam 5 hours / 5 jam 6 hours or more / 6 jam	am atau lebii	h			[] [] [] []			
6. Do your parents havideo games or using Adakah ibu bapa aboleh menonton TV rumah? Yes, most of the time Yes, almost always / Sometimes / Kadang Rarely / Jarang Never / Tidak pernah	g the comput anda mempu y, bermain p es / Ya, selal Ya, hampir y kadang	er at home? nyai had untuk : permainan video u	men	nbe	narkan	berape	a lama	anda
7. How often do you w	atch TV with	n yo <mark>ur paren</mark> ts or	oth	er a	dults?			
Berapa kerap anda i								
L	-	le of the time []			of time	-	
/ Tiada	/ Kure	ang kerap			/ Sang	gat ker	ap	
8. How often do you we Berapa kerap anda None of the time [/ Tiada Section D : Your Attached drinks. Seksyen D : Sikap dan diet). i) Direction : Indicate by circling Arahan : Tandakan see the section of the secti	nenonton TV A litt / Kun itudes and of pendapat an thow much you ng the appro-	berseorangan? le of the time [le ang kerap popinions about da tentang pemi but agree or disageriate number.	nun	nan witl	/ Sang	<i>an rin</i> number	ot diet gan (bi	ukan_
		etujuan atau itaa bulatkan nombot				igun se	шир	
			,					
1	2	3			4		5	
Strongly disagree /	Disagree	Neither agree o			gree /		ngly ag	
Sangat tidak	/ T: 1 1	disagree /		Ber	rsetuju	Sang	gat bers	etuju
bersetuju	Tidak bargatuin	Bersetuju dan						
	bersetuju	tidak bersetuju	ı					
1. If I could do what I drinks every day. Jika saya boleh mela inginkan, saya akan setiap hari.	kukan apa y	ang saya	1		2	3	4	5

2. In the future, I will drinksoft drinks daily.	1	2	3	4	5
Saya akan minum minuman ringan setiap hari					
pada masa hadapan.					

ii) Direction: Indicate how much you unlikely or likely with each numbered statement by circling the appropriate number.

Arahan: Tandakan nombor berdasarkan mungkin atau tidak mungkin dengan setiap kenyataan dengan membulatkan nombor yang sesuai.

1 2 3	4			5		
Very unlikely Unlikely / Neutral /	Likely /		V	Very likely /		
/ Sangat tidak Tidak mungkin Neutral	Mungkin			Sange	ut	
mungkin				mungkin		
1. How likely is it that you will get cavities in your	1	2	3	4	5	
teeth if you drink soft drinks every day?						
Apabila anda minum minuman ringan setiap		·				
hari, adakah anda berkemu <mark>ngkinan mend</mark> apat						
kaviti gigi (contoh gigi berlubang)?						
2. How likely is it that you will enjoy the taste if	1	2	3	4	5	
you drink soft drinks every day?		\				
Apabila anda min <mark>um m</mark> inu <mark>man ringan se</mark> tiap						
hari, adakah an <mark>da berkemungkinan merasa</mark>						
nikmat minum min <mark>uman ringa</mark> n?						
3. How likely is it that you will get too much	1	2	3	4	5	
caffeine if you drink soft drinks every day?						
Apabila anda minum minuman ringan setiap						
hari, adakah and <mark>a berkemungkinan mengamb</mark> il						
banyak kafien?						
4. How likely is it that you will become	1	2	3	4	5	
hyperactive (sugar rush) if you drink soft drinks						
every day?						
Apabila anda minum minuman ringan setiap						
hari, adakah anda berkemungkinan menjadi						
hiperaktif?	1	2	3	4	_	
5. How likely is it that you will feel addicted if you	1	2	3	4	5	
drink soft drinks every day? Apabila anda minum minuman ringan setiap						
hari, adakah anda berkemungkinan menjadi						
ketagih?						
6. How likely is it that you will gain weight if you	1	2	3	4	5	
drink soft drinks every day?	1	_				
Apabila anda minum minuman ringan setiap						
hari, adakah anda berkemungkinan menambah						
berat badan?						
7. How likely is it that you will develop acne if you	1	2	3	4	5	
drinksoft drinks every day?						
Apabila anda minum minuman ringan setiap						
hari, adakah anda berkemungkinan mendapat						

jerawat?					
8. How likely is it that you will have a stomachache or gas if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah anda berkemungkinan mendapat sakit perut?	1	2	3	4	5
9. How likely is it that you will quench your thirst if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah anda berkemungkinan dapat menghilangkan dahaga?	1	2	3	4	5

iii) Direction: Indicate how much you think is important or unimportant with each numbered statement by circling the appropriate number.

Arahan: Tandakan nombor berdasarkan penting atau tidak penting dengan setiap kenyataan dengan membulatkan nombor yang sesuai.

1	Z	3	Z	4		5	
Very unimportant / Sangat tidak penting	Unimportant / Tidak penting	Neither unimportant or important / Samaada tidak penting atau penting	Important / Penting		/	Very importa Sange pentin	nt / ut
get cavities every day? Apabila a hari, adak	nda minum minu	ou drink soft drinks man ringan setiap nda akan mendapat	1	2	3	4	5
2. How imporenjoy the taday? Apabila ahari, adak	tant is it to you whaste if you drink so and minum minu	nether or not you ft drinks every man ringan setiap anda akan merasa	1	2	3	4	5
3. How imporget too muce every day? Apabila ahari, adak	tant is it to you when caffeine if you on the minum minum	nether or not you drink soft drinks man ringan setiap tidak penting anda	1	2	3	4	5
4. How import become hyposoft drinks <i>Apabila a.</i>	tant is it to you wh peractive (sugar ru every day? nda minum minu	nether or not you	1	2	3	4	5

hyperaktif?					
5. How important is it to you whether or not you feel addicted if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah penting jika anda akan menjadi ketagih?	1	2	3	4	5
6. How important is it to you whether or not you gain weight if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah penting atau tidak penting anda akan menambah berat badan?	1	2	3	4	5
7. How important is it to you whether or not you develop acne if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah penting jika anda akan mendapat jerawat?	1	2	3	4	5
8. How important is it to you whether or not you have a stomachache or gas if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah penting jika anda akan mendapat sakit perut?	1	2	3	4	5
9. How important is it to you whether or not you quench your thirst if you drink soft drinks every day? Apabila anda minum minuman ringan setiap hari, adakah penting jika anda akan dapat menghilangkan dahaga?	1	2	3	4	5

Section E: Your subjective norms of regular (not diet) soft drinks consumption. Seksyen E: Norma subjektif (pandangan kebiasaan) anda terhadap peminuman minuman ringan (bukan diet).

i) Direction: Indicate how much you agree or disagree with each numbered statement by circling the appropriate number.

Arahan : Tandakan nombor persetujuan atau tidak bersetuju dengan setiap kenyataan dengan membulatkan nombor yang sesuai.

1	2	3	4	5
Strongly disagree /	Disagree	Neither agree or	Agree /	Strongly agree /
Sangat tidak	/	disagree /	Bersetuju	Sangat bersetuju
bersetuju	Tidak	Bersetuju dan		
	Bersetuju	tidak bersetuju		

1.	Most people who are important to me think I	1	2	3	4	5
	should NOT drinksoft drinks every day.					
	Kebanyakan orang yang penting kepada saya					
	berpandangan saya TIDAK sepatutnya minum					

	1		ı		
minuman ringan setiap hari.					
2. My parents do NOT want me to regularly drink	1	2	3	4	5
soft drinks every day.					
Ibu bapa saya TIDAK mahu saya minum					
minuman ringan dengan kerap setiap hari.					
3. My teacher or coach does NOT want me to	1	2	3	4	5
regularly drink soft drinks every day.					
Guru atau jurulatih saya TIDAK mahu saya					
minum minuman ringan dengan kerap setiap					
hari.					
4. My brother or sister does NOT want me to	1	2	3	4	5
regularly drink soft drinks every day.					
Abang dan akak saya TIDAK mahu saya					
minum minuman ringan dengan kerap setiap					
hari.					
5. My doctor does NOT want me to regularly	1	2	3	4	5
drink soft drinks every day.					
Doktor saya TIDAK mahu saya minum					
minuman ringan dengan kera <mark>p s</mark> etia <mark>p h</mark> ar <mark>i.</mark>					
6. I sometimes feel pressure from other people to	1	2	3	4	5
drink soft drinks.					
Kadang-kadang, saya <mark>berasa tekan</mark> an <mark>dari</mark>					
orang lain untuk m <mark>inum</mark> mi <mark>numan ringan.</mark>					
7. My friends want me to drink soft drinks.	1	2	3	4	5
Kawan-kawan <mark>saya mahu saya minum</mark>					
minuman ringan <mark>.</mark>					
8. Soft drink companies want me to drink soft	1	2	3	4	5
drinks.					
Syarikat minuma <mark>n ringan mahu saya minum</mark>					
minuman ringan.					
9. Fast food restaurant owners want me to drink	1	2	3	4	5
soft drinks.					
Restoran makanan seger <mark>a mahu saya minum</mark>					
minuman ringan.					
10. Famous people want me to drink soft drinks.	1	2	3	4	5
Orang yang terkenal mahu saya minum					
minuman ringan.					
11. Everyone else who drinks soft drinks wants me	1	2	3	4	5
to drinks soft drinks.					
Orang lain yang minum minuman ringan					
mahu saya minum minuman ringan juga.					

ii) Direction: Indicate how much you think is important or unimportant with each numbered statement by circling the appropriate number.

Arahan: Tandakan nombor berdasarkan penting atau tidak penting dengan setiap kenyataan dengan membulatkan nombor yang sesuai.

1	2	3	4	5
Very	Unimportant /	Neither	Important /	Very
unimportant /	Tidak penting	unimportant or	Penting	important /
Sangat tidak		important /		Sangat
penting		Samaada tidak		penting
		penting atau		
		penting		

1.	How important is it to you to do what your parents want you to do? Adakah penting untuk melakukan perkara yang ibu bapa anda mahu anda lakukan?	1	2	3	4	5
2.	How important is it to you to do what your teacher or coach wants you to do? Adakah penting untuk melakukan perkara yang guru atau jurulatih anda mahu anda lakukan?	1	2	3	4	5
3.	How important is it to you to do what your brother or sister wants you to do? Adakah penting untuk melakukan perkara yang abang atau kakak anda mahu anda lakukan?	1	2	3	4	5
4.	How important is it to you to do what your friends want you to do? Adakah penting untuk melakukan perkara yang kawan anda mahu anda lakukan?	1	2	3	4	5
5.	How important is it to you to do what your doctor wants you to do? Adakah penting untuk melakukan perkara yang doktor anda mahu anda lakukan?	1	2	3	4	5
6.	How important is it to you to do what soft drink companies wants you to do? Adakah penting untuk melakukan perkara yang syarikat minuman ringan mahu anda lakukan?	1	2	3	4	5
7.	How important is it to you to do what fast food restaurant owners wants you to do? Adakah penting untuk melakukan perkara yang restoran makanan segera mahu anda lakukan?	1	2	3	4	5
8.	How important is it to you to do what famous people wants you to do? Adakah penting untuk melakukan perkara yang orang terkenal mahu anda lakukan?	1	2	3	4	5

9. How important is it to you to do what everyone	1	2	3	4	5
else who drinks soft drinks wants you to do?					
Adakah penting untuk melakukan perkara					
yang peminum minuman ringan mahu anda					
lakukan?					
			ı		
Section F: Your perceived behavioral control of	of regu	lar (n	ot diet) soft d	lrinks
consumption.	<u> </u>	(11	00 4100	, 5010 0	
Seksyen F : Penglihatan kawalan tingkah la	ku an	da ter	hadap	pemin	uman
minuman ringan (bukan diet).					
Instruction: Please tick ($$) the answer that best desc	eribes y	ou or f	ill in th	e blank.	
Arahan: Sila tanda $()$ kepada jawapan yang terbail	k bagi n	nengga	ımbarke	an anda	dan
isi tempat kosong yang berkenaan.	Ü				
i) If you wanted to drink less soft drinks, would it b	e diffic	ult or e	easy to	do?	
Jika anda ingin kurangkan minum minuman ri	ngan,	adakah	muda	h atau	susah
untuk dilakukan?					
Strongly [] Difficult [] Neither difficult [] Eas	y[]	Very	easy []
difficult /Susah or easy	/Se	nang	/Sang	at senar	ıg
/Sangat susah /Tidak susah					
dan tidak se <mark>nang</mark>					
ii) If you wanted to drink less soft drinks, do you thi Jika anda ingin kurangkan minum minuman ringa					
akan berjaya?	ın, aaai	kan and	aa jikir	anaa	
Definitely[] Probably[] Maybe yes,[] Probably[] Maybe yes,[] Probably[]	ably n	ot[]	Definite	elv not[1
				ya tidak	
/Mungkin ya dan	18.000	cicire	, i cistili	yei iicicii	•
Mungkin tidak					
iii) How often does your family have soft drinks avai	lable at	home	?		
Adakah minuman ringan senang didapati di ruma					
Never / Tidak pernah		[]		
Hardly ever available / Sangat sukar untuk didap	ati	[]		
Available some of the time / Agak kurang didapa		[]		
Available most of the time / Agak senang didapa		[]		
Available all of the time/ Didapati sepanjang ma	sa	[]		
iv) How available are soft drinks at school?					
Adakah minuman ringan senang didapati di seko	lah?				
Never / Tidak pernah		[]		
Hardly ever available / Sangat sukar untuk didapa	ati	[]		
Available some of the time /Agak kurang didapat		[]		
Available most of the time / Agak senang didapat		[]		
Available all of the time / Didapati sepanjang ma	sa	[]		

v) How many convenience stores are there near your SCHOOL (within walking or biking distance) where you can buy soft drinks? Berapa banyakkah kedai runcit berdekatan dengan SEKOLAH yang membolehkan anda membeli minuman ringan (dalam lingkungan jarak berjalan
kaki atau menunggang basikal)? None at all [] Very few [] Some [] A lot [] /Tidak ada /Sangat sedikit /Beberapa /Banyak
vi) How many convenience stores are there near your HOME (within walking or biking distance) where you can buy soft drinks? Berapa banyakkah kedai runcit berdekatan dengan RUMAH yang membolehkan anda membeli minuman ringan (dalam lingkungan jarak berjalan kaki atau menunggang basikal)? None at all [] Very few [] Some [] A lot [] /Tidak ada /Sangat sedikit /Beberapa /Banyak
vii)How much of your own money do you have to buy soft drinks at school, convenience stores, or restaurants? Berapa banyakkah duit yang anda boleh belanjakan untuk membeli minuman ringan di sekolah, kedai runcit atau pun restoran? Not enough [] Very little [] Enough [] More than enough [] /Tidak cukup /Sangat sedikit /Cukup /Lebih dari cukup
viii) How much freedom do you have from your parents to go to a store or restaurant near your school or home to purchase soft drinks? Berapa banyakkah kebebasan yang diberikan oleh ibu bapa anda untuk pergi ke kedai runcit atau restoran berdekatan dengan sekolah ataupun rumah anda untuk membeli minuman ringan? Not enough [] Very little [] Enough [] More than enough [] /Tidak cukup /Sangat sedikit /Cukup /Lebih dari cukup
ix) How much knowledge do you have about health risks of drinking soft drinks? Berapa banyakkah pengetahuan anda tentang risiko kesihatan akibat minum minuman ringan? Not enough [] Very little [] Enough [] More than enough [] /Tidak cukup /Sangat sedikit /Cukup /Lebih dari cukup
x) How much access do you have to vending machines that contain soft drinks? Adakah anda berpeluang untuk mencari mesin menjual minuman ringan? None at all [] Very little access [] Some access [] Very much access [] /Tidak ada /Sangat sedikit /Sedikit peluang /Banyak peluang peluang
xi) How much access do you have to media (TV, radio, Internet, magazines)? Adakah anda berpeluang untuk mendapat maklumat melalui saluran media (TV, radio, laman sesawang, majalah)? None at all [] Very little access [] Some access [] Very much access [] /Tidak ada /Sangat sedikit /Sedikit peluang /Banyak peluang peluang

xii)Direction: Indicate how much you think is important or unimportant with each numbered statement by circling the appropriate number.

Arahan: Tandakan nombor berdasarkan penting atau tidak penting dengan setiap kenyataan dengan membulatkan nombor yang sesuai.

1	2	3	4	5
Very unimportant / Sangat tidak penting	Unimportant / Tidak penting	Neither unimportant or important / Samaada tidak penting atau penting	Important / Penting	Very important / Sangat penting

	How important is it to you to havesoft drinks available at <u>school</u> ? Adakah penting bagi anda untuk mendapatkan minuman ringan di <u>sekolah</u> ?	1	2	3	4	5
2.	How important is it to you to have soft drinks available at home? Adakah penting bagi anda untuk mendapatkan minuman ringan di rumah?	1	2	3	4	5
3.	How important is it to you to have convenience stores near your school where you can buy soft drinks? Adakah penting bagi anda untuk mendapatkan minuman ringan di kedai runcit berdekatan dengan sekolah anda?	1	2	3	4	5
4.	How important is it to you to have convenience stores near your home where you can buy soft drinks? Adakah penting bagi anda untuk mendapatkan minuman ringan di kedai runcit berdekatan dengan rumah anda?	1	2	3	4	5
5.	How important is it to you to have enough money to buy soft drinks at school, from convenience stores, or from restaurants? Adakah penting bagi anda untuk mempunyai duit belanja sekolah yang mencukupi untuk membeli minuman ringan di kedai runcit atau restoran?	1	2	3	4	5
6.	How important is it to you to have freedom from your parents to go to a store or restaurant near your school or home to buy soft drinks? Adakah penting bagi anda untuk mendapat kebebasan daripada ibu bapa untuk membeli minuman ringan di kedai runcit atau restoran yang berdekatan dengan sekolah dan rumah anda?	1	2	3	4	5

7 Haw important is it for you to have knowledge	1	2	2	1	- 5
7. How important is it for you to have knowledge	1		3	4	3
about the health risks of soft drinks?					
Adakah penting bagi anda untuk mempunyai					
pengetahuan tentang risiko kesihatan akibat					
minum minuman ringan?					
8. How important is it to you that you have	1	2	3	4	5
access to vending machines that contain soft					
drinks?					
Adakah penting bagi anda untuk berpeluang					
membeli minuman ringan dari mesin layan					
diri?	_	_			
9. How important is it to you that you have	1	2	3	4	5
access to media (TV, radio, Internet,					
magazines)?					
Adakah penting bagi anda untuk berpeluang					
mendapat m <mark>aklumat melalu</mark> i saluran media					
(TV, radio, laman sesawang, majalah)?					
(1 v, radio, tantan sesawang, majatan):		4774			

) When you think about drinking soft drinks every day, how do you feel?								
Apakah perasaan and <mark>a a</mark> pabil <mark>a anda memikirkan tentang minu</mark> m minuman								
ringan setia	p hari?							
Very [] U	npleasant [Neither unpleasant [] Pleasant [] Very pleasant [
Unpleasant /	Kurang elok	or pleasant	/Elok	/Sangat elok				
/Sangat		/Kurang elok dan						
kurang elok		juga elok						
	Apakah peras ringan setia Very [] Ui Unpleasant /I /Sangat	Apakah perasaan anda apringan setiap hari? Very [] Unpleasant [Unpleasant /Kurang elok /Sangat	Apakah perasaan anda apabila anda memikirka ringan setiap hari? Very [] Unpleasant [] Neither unpleasant [Unpleasant /Kurang elok or pleasant /Sangat /Kurang elok dan	Apakah perasaan anda apabila anda memikirkan tentang mir ringan setiap hari? Very [] Unpleasant [] Neither unpleasant [] Pleasant [Unpleasant /Kurang elok or pleasant /Elok /Sangat /Kurang elok dan				

Section G: Your media literacy towards regular (not diet) soft drinks advertisement.

Seksyen G: Literasi media (celik media) anda terhadap iklan minuman ringan (bukan diet).

i) Direction: Indicate how much you agree or disagree with each numbered statement by circling the appropriate number.

Arahan : Tandakan nombor persetujuan atau tidak bersetuju dengan setiap kenyataan dengan membulatkan nombor yang sesuai.

	1	2	3	4	5
	Strongly	Disagree /	Neither agree or	Agree /	Strongly
	disagree /	Tidak	disagree /	Bersetuju	agree /
T	Sangat tidak	bersetuju	Bersetuju dan		Sangat
	bersetuju		tidak bersetuju		bersetuju

1. Most of the time, when people advertise soft	1	2	3	4	5
drink such as Coca Cola they are more concerned					
about making profit than giving true information					
about Coca Cola soft drinks.					
Selalunya, apabila orang memasarkan minuman					
ringan seperti Coca Cola, mereka hanya					

	memikirkan untuk membuat keuntungan semata-					
	mata daripada memberi maklumat yang sebenar					
	tentang minuman ringan Coca Cola.					
2.	Soft drink companies would do anything they can	1	2	3	4	5
	to make money.					
	Syarikat minuman ringan akan melakukan apa-					
	apa sahaja untuk menbuat keuntungan.					
3.	Soft drink companies able to attract a lot of	1	2	3	4	5
٥.	customer and powerful, even outside of the	1				3
	restaurant business.					
	Syarikat minuman ringan masih mampu menarik					
	pelanggan walaupun tidak menjual di restoran					
4	semata-mata.	1	2	2	1	_
4.	Soft drinks companies only want to make profit.	1	2	3	4	5
	Syarikat minuman ringan hanya ingin membuat					
	keuntunga <mark>n</mark> s <mark>emata-mata.</mark>					
5.	Companies that advertise their soft drink product	1	2	3	4	5
	very carefully create messages that are targeted to		1000			
	the teenager that might buy their product.					
	Syarikat yang memasarkan produk minuman					
	ringan menyampaikan mesej dengan berhati hati					
	dan ditujukan khusus kepada remaja yang					
	mungkin akan mem <mark>beli</mark> prod <mark>uk mereka.</mark>					
6.	Many soft drinks companies especially want to	1	2	3	4	5
	be noticed by teenagers.					
	Banyak syarikat minuman ringan ingin dikenali					
	dalam kalangan remaja.					
7	By wearing clothing, or carrying an item that has	1	2	3	4	5
/ .	a company's name on it (such as Nike, Adidas,			3		
	Coca-Cola, Pepsi, etc.) you become a walking					
	advertisement for that brand.		7//			
	Dengan memakai pakaian atau membawa					
	barang yang mempunyai logo/ nama syarikat					
	(seperti, Nike, Adidias, Coca Cola, Pepsi dll),					
	anda menjadi iklan bergerak untuk jenama					
	tersebut.		_			
8.	Soft drinks advertisements want to relate	1	2	3	4	5
	themselves to things that peoples want like					
	happiness, love, good looks, and power.					
	Iklan minuman ringan ingin mengaitkan produk					
	mereka dengan perkara yang orang inginkan					
	seperti kebahagian, cinta, personaliti yang					
L	menarik, kuasa dan sebagainya.					
9.	Two people may see the same movie or TV show	1	2	3	4	5
	and get very different opinions about it.					
	Dua orang mungkin menonton filem atau					
	rancangan TV yang sama tapi mempunyai					
	pandangan yang berbeza tentang filem dan					
	rancangan TV tersebut.					
		1	1	1	İ	1

10 D'CC . 1 C 1 1 1 1'CC . 1	1	1 2	1 2		· -
10. Different people feel completely different when	1	2	3	4	5
they see the same advertisement for a soft drink					
company on TV.					
Orang yang berbeza mempunyai perasaan yang					
berbeza apabila mereka menonton iklan					
minuman ringan yang sama di TV.					
11. A billboard for a soft drink company may catch	1	2	3	4	5
one person's attention but not another person.					
Papan tanda iklan syarikat minuman ringan					
mungkin menarik perhatian seseorang tetapi					
tidak dapat menarik perhatian orang lain.					
12. People are influenced by TV and movies,	1	2	3	4	5
whether they realize it or not.					
Orang ramai dipengaruhi oleh TV dan filem,					
samaada <mark>mereka sedar atau tidak.</mark>					
13. People are influenced by soft drink ads, whether	1	2	3	4	5
they realize it or not.					
Orang ramai dipengaruhi oleh iklan minuman					
ringan, samada mereka sedar atau tidak.		200			
14. When people make movies and TV shows, every	1	2	3	4	5
scene is very carefully planned.	1	2	3	_)
Apabila orang/pengarah membuat filem atau					
rancangan TV, se <mark>tiap babak dirancang de</mark> ngan					
teliti.	1	2	2	4	
15. When people make soft drink advertisement,	1	2	3	4	5
every detail is very carefully planned.					
Apabila orang/pengarah membuat iklan					
minuman ringan, setiap perincian untuk iklan					
dirancang denga <mark>n berhati-hati.</mark>					
16. There are often hidden messages in soft drink					
advertisements.					
Selalunya terdapat m <mark>esej yang tersembun</mark> yi di					
dalam iklan minuman rin <mark>gan.</mark>					
17. Movies and TV shows don't usually show the	1	2	3	4	5
real life.					
Filem dan rancangan TV tidak selalunya					
menunjukkan kehidupan yang sebenar.					
18. Soft drink advertisements show happy, healthy	1	2	3	4	5
looking people so that you won't think about the					
health risks.					
Iklan minuman ringan menunjukkan					
kebahagiaan dan orang yang sihat, supaya anda					
tidak memikirkan tentang risiko penyakit yang					
bakal anda hidapi.					
19. Advertisements usually leave out a lot of	1	2	3	4	5
important information.	1] -			
Iklan selalunya tidak memaparkan maklumat					
yang penting.					
20. When you see an advertisement for soft drinks, it	1	2	3	4	5
is very important to think about what was	1				
15 very important to unlik about what was					

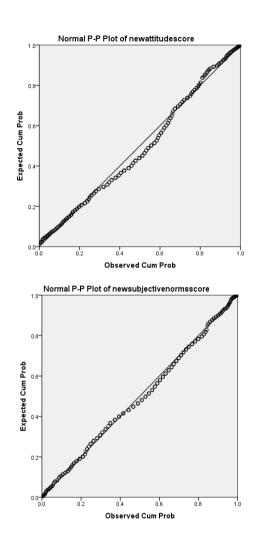
missing information from the advertisement.			
<u>e</u>			
Apabila anda menonton iklan minuman ringan,			
ia adalah sangat penting untuk memikirkan			
maklumat yang tidak didedahkan oleh iklan			
tersebut.			

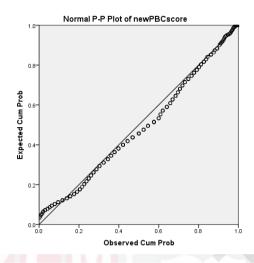
Thank you very much for your help / Terima kasih di atas kerjasama anda

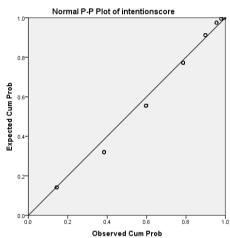


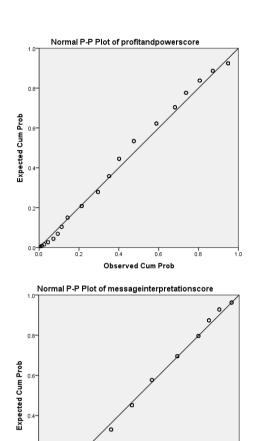
Appendix 3: Table and Graph of Results

3.1 Normality analysis





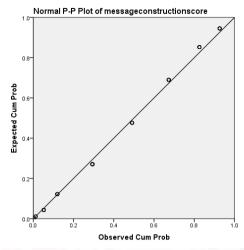


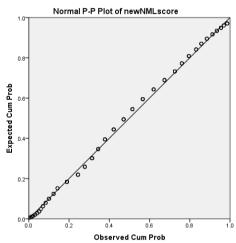


0.4

0.6 Observed Cum Prob

0.2



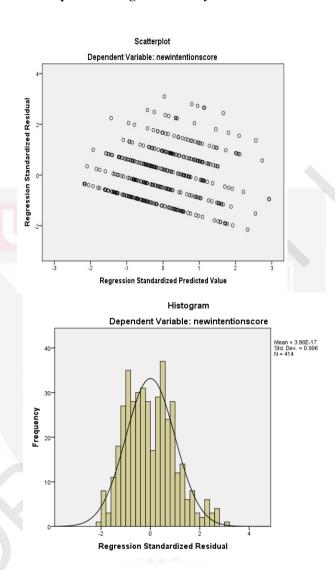


Statistics

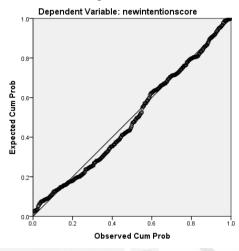
	newattitudesc ore	newsubjective normsscore	newPBCscor e	newintentions core	profitandpowe rscore	messageinter pretationscor e	messagecon structionscore	newNMLscor e
N Valid	436	436	436	436	436	436	436	436
Missing	0	0	0	0	0	0	0	0
Mean	72.8693	88.1514	47.2615	3.7706	18.6170	14.3876	7.1055	40.1101
Std. Error of Mean	1.51299	1.15215	.99319	.07898	.21323	.15116	.08668	.37763
Median	68.0000	86.0000	45.0000	4.0000	19.0000	14.0000	7.0000	41.0000
Mode	56.00ª	81.00	48.00	2.00	20.00	12.00	6.00	33.00
Std. Deviation	31.59221	24.05759	20.73845	1.64915	4.45231	3.15627	1.81003	7.88520
Variance	998.068	578.768	430.083	2.720	19.823	9.962	3.276	62.176
Skewness	.342	.203	.868	.998	490	130	079	246
Std. Error of Skewness	.117	.117	.117	.117	.117	.117	.117	.117
Kurtosis	369	.238	1.444	1.087	354	238	544	386
Std. Error of Kurtosis	.233	.233	.233	.233	.233	.233	.233	.233
Range	158.00	144.00	127.00	8.00	20.00	15.00	8.00	38.00
Minimum	7.00	21.00	9.00	2.00	5.00	5.00	2.00	17.00
Maximum	165.00	165.00	136.00	10.00	25.00	20.00	10.00	55.00
Percentiles 25	51.0000	73.0000	32.0000	2.0000	15.0000	12.0000	6.0000	34.0000
50	68.0000	86.0000	45.0000	4.0000	19.0000	14.0000	7.0000	41.0000
75	94.0000	104.0000	60.0000	5.0000	22.0000	16.0000	8.0000	46.0000

a. Multiple modes exist. The smallest value is shown

3.2 Assumptions in multiple linear regression analysis



Normal P-P Plot of Regression Standardized Residual



Correlations

		newintentions core	newattitudesc ore	newsubjective normsscore	newPBCscor e
Pearson Correlation	newintentionscore	1.000	064	.039	.362
	newattitudescore	064	1.000	.163	.071
	newsubjectivenormsscore	.039	.163	1.000	.112
	newPBCscore	.362	.071	.112	1.000
Sig. (1-tailed)	newintentionscore		.096	.215	.000
	newattitudescore	.096		.000	.073
	newsubjectivenormsscore	.215	.000		.011
	newPBCscore	.000	.073	.011	
Ν	newintentionscore	414	414	414	414
	newattitudescore	414	414	414	414
	newsubjectivenormsscore	414	414	414	414
	newPBCscore	414	414	414	414

Model Summan

					Change Statistics					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	Durbin- Watson
1	.373ª	.139	.133	1.38592	.139	22.154	3	410	.000	1.732

a. Predictors: (Constant), newPBCscore, newattitudescore, newsubjectivenormsscore

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
1 Regression	127.661	3	42.554	22.154	.000b
Residual	787.518	410	1.921		
Total	915.179	413			

a. Dependent Variable: newintentionscore

b. Dependent Variable: newintentionscore

b. Predictors: (Constant), newPBCscore, newattitudescore, newsubjectivenormsscore

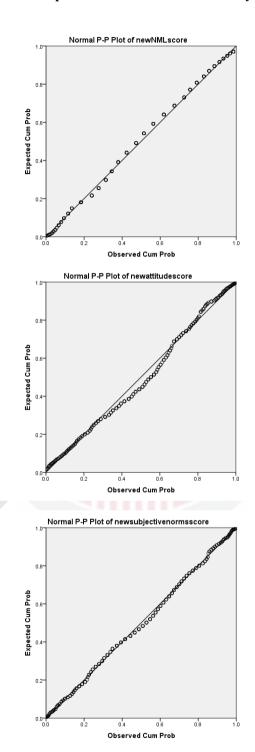
Coefficients^a

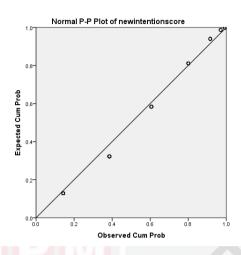
		Unstandardize	d Coefficients	Standardized Coefficients			95.0% Confidence Interval fo		Interval for B Correlations		Collinearity Statistics		
Model		В	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	2.575	.327		7.866	.000	1.932	3.219					
	newattitudescore	004	.002	092	-1.988	.047	009	.000	064	098	091	.970	1.030
	newsubjectivenormsscore	.001	.003	.013	.271	.786	005	.007	.039	.013	.012	.963	1.038
	newPBCscore	.029	.004	.367	7.957	.000	.022	.037	.362	.366	.365	.984	1.016

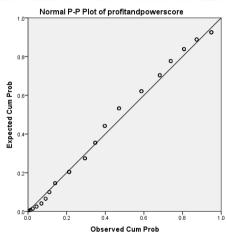
a. Dependent Variable: newintentionscore

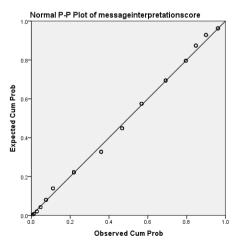


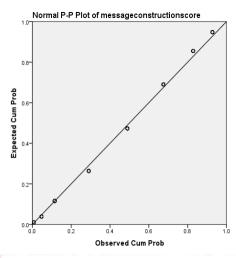
3.3 Assumptions in Pearson product-moment correlation analysis

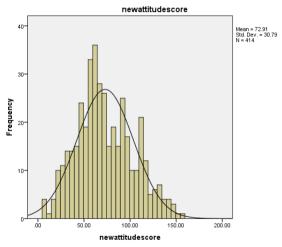


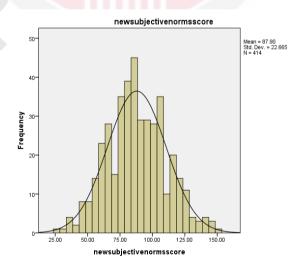


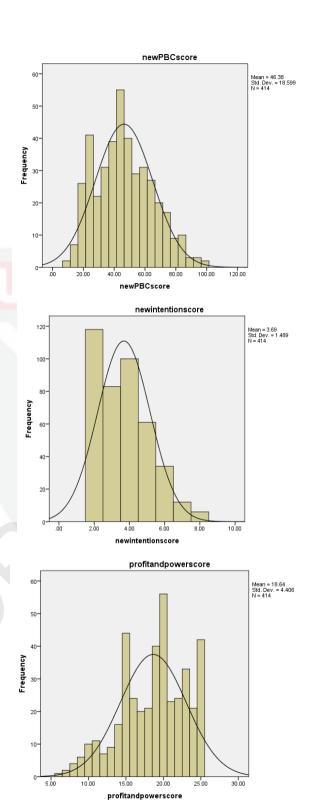












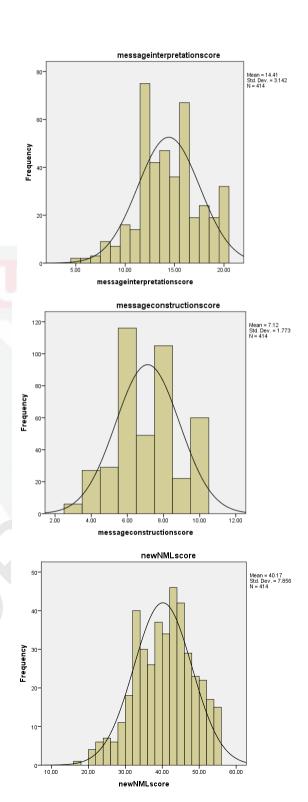


Table 4.13: Correlation between attitudes towards soft drink, subjective norms, perceived behavioural control, intention to consume soft drinks and media literacy

	Attitudes	Subjective Norms	PBC	Intention to consume soft drinks	ML Profit and Power	ML Message Interpretation	ML Message Construction	Total ML
Subjective Norms	0.163**					-		
PBC	0.071	0.112**						
Intention to consume soft drink	-0.064	0.039	0.362**					
ML Profit and Power	0.219**	0.119*	0.028	-0.164**				
ML Message Interpretation	0.228**	0.185**	-0.038	-0.156**	0.581**			
ML Message Construction	0.157**	0.149**	-0.046	-0.158**	0.471**	0.524**		
Total ML	0.250**	0.174**	-0.010	-0.190**	0.900**	0.844**	0.699**	
Intake of soft drink	-0.077	0.005	0.250**	0.337**	0.014	0.008	-0.006	-0.010

PBC = Perceived Behavioral Control

ML = Media Literacy

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

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

BIODATA OF STUDENT

Nur Nadirah Bt. Mohammad Shahid was born on the 2ndof October1988 in Bukit Mertajam, Pulau Pinang, Malaysia. She received her primary education at Sekolah Rendah Kebangsaan Satu, Tapah, Perak from 1995 untill 2000. She continued her secondary education at Sekolah Menengah Kebangsaan Buyong Adil, Tapah, Perak from 2001 untill her graduation in 2005 with Sijil Pelajaran Malaysia (SPM). Immediately after completing her one-year matriculation at Kolej Matrikulasi Pulau Pinang, in 2006 she continued her tertiary education at Universiti Putra Malaysia (UPM). She obtained her Bachelor of Science (Food Studies) degree majoring in Food Management from UPM in 2011. In February 2013, she was accepted to continue her Master of Science in Food Management at the same university to pursue a research on food and beverage consumption behavior among adolescents. During her candidature, she was assigned to assist in supervision of practical food service courses for undergraduates in Faculty of Food Science and Technology, UPM.

LIST OF PUBLICATIONS

- 1. Nur Nadirah, M. S., Ghazali, H., Bakar, A. Z. A., & Othman, M. (2016). Understanding media literacy in relation to adolescent soft drink consumption behavior. *International Food Research Journal*, 23(1), 381-388.
- 2. Nur Nadirah, M. S., Othman, M., Ghazali, H., & Bakar, A. Z. A. (2015). Socio-Demographic Variables Influence on Media Literacy towards Soft Drink Advertisement among Adolescents in Klang Valley, Malaysia. *Advance in Environmental Biology*, 9(23), 11-16.





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