The Influences of Future Orientation and

Financial Literacy on Personal Financial

Management Practices among Gen Y in

Malaysia: The Moderating Role of Gender

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ABSTRACT

This paper investigated the relationship between future orientation and financial literacy toward personal financial management practices among Generation Y in Malaysia, particularly amongst those who were born between 1980 and 2000 coming from Sabah, Sarawak, Selangor, Kuala Lumpur, Johor, and Penang. A total of 146 valid questionnaires were used for the analysis carried out in this paper. Data was analyzed using the Structural Equation Modelling (SEM) technique using Partial Least Squares (PLS). The outcomes displayed that future orientation and financial literacy have significantly positive effect on personal financial management practices. Nonetheless, gender does not have a moderating role between financial literacy and future orientation on personal financial management practices among Generation Y in Malaysia. The study's outputs may serve as guidelines by the Malaysian government agencies and policy makers, apart from extending the body of knowledge to shed some light on personal financial management practices. The findings of the study also offer an alternative approach in addressing the escalating bankruptcy issues faced by Generation Y in Malaysia.

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Keywords: Financial Literacy; Future Orientation; Gender; Gen Y; Bankruptcy; Personal Financial Management Practices.

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1. INTRODUCTION

The main cause of bankruptcy in Malaysia from the year 2012 until 2016 can be traced to the problem of poor personal financial management practices, as depicted in the report published by Malaysia Department of Insolvency (MDI) [8]. Bankruptcy is far from being a new phenomenon in Malaysia; yet, this issue has blown out of proportion with the increasing number of bankruptcies announced annually. Based on the report published by the Depart MDI [8], the total bankruptcy cases recorded in the year 2010 were 18,119 cases, while 22,351 cases were recorded in the year 2014, which reflects an increment by 23.3 percent for merely 4 years. In year 2015, the total recorded cases decreased by 17.42 percent, but hiked again by 6.13 percent in the year 2016.

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The worrisome argument refers to the fact that most of those declared bankrupt are derived categorically from the Generation Y, wherein this problem has been highlighted by the Malaysian Financial Planning Council (MFPC) (2016); it has been claimed that 11 youths are declared bankruptcy on a daily basis since 2011 [33]. According to MDI (2017) [8], from 2010 until 2016, a total of 37,048 bankruptcy cases involved those below 34 years old in Malaysia. This scenario does not reflect a good prospect for Malaysia's future generation, particularly as Malaysia is in the midst of Economic Transformation Program (ETP) toward becoming a developed-nation by 2020 [33], Besides, this situation is harmful to Malaysia's youth generation due to deteriorating personal consumption that may indirectly affect their future.

The Star [42] reported that Malaysia has one the highest household debt (89.1 percent) as a portion of the gross domestic product (GDP) amongst developing economies in the Asia. As reported by Bank Negara Malaysia (BNM) [3], the household debt in Malaysia exhibited an increasing trend from 2009 (72.40%) until 2015 (89.10%). The high level of debt would not prove to be a positive indicator for fellow Malaysians as they are burdened with debt throughout their lifetime. According to Manulife Investor Sentiment Index [34], Malaysian youths are more likely to incur debt once they have graduated from university or started working. Most Malaysians, especially the youth, are presumed to become bankrupt due to a lack of discipline in managing their finances properly as most of them do not have savings for unexpected events, such as accidents, inflation, and retrenchment [29]. A study by MISI [34] found that Malaysians often fail to manage their cash flow due to poor financial management practices.

Hence, one can conclude that the main reason for facing personal financial problems amongst Generation Y in Malaysia is due to failure in managing personal finance that has led to bankruptcy cases and financial difficulties. Therefore, it is important to determine the factors that influence personal financial management practices among Gen Y in Malaysia to better aid the associated authorities or agencies in taking proper actions that are required to overcome the financial problems faced by Gen Y and to avoid bankruptcy among Gen Y in Malaysia.

1.1 Objectives

 This paper was thus conducted with the following specific objectives:

- 1. To investigate if financial literacy and future orientation have positive influences toward personal financial management practices among Gen Y in Malaysia.
- 2. To examine the moderating role of gender on the relationship between financial literacy and future orientation toward personal financial management practices among Generation Y in Malaysia.

2. LITERATURE REVIEW

2.1 Personal Financial Management Practices

Personal financial management practices refer to a process that people use to handle their financial needs such as planning their finance, retirement, loans, and cash management in order to achieve their financial wellbeing [12]. Typically, personal financial management practices are demonstrated through various attitudes and financial behavior which include personal debt levels [28] assistance in the share market [43], the capability to increase and effectively handle wealth [20,41] as well as the ability to calculate financial products with lower fees (e.g. Mutual funds) [16]. Prior studies have shown that personal financial management practices are one of the most important determinants that possess a positive correlation with financial well-being [20,45].Hence, one can assume that whoever practices

good personal financial management practices will eventually have excellent financial wellbeing themselves.

2.2 Financial Literacy

According to Garman and Forgue [13], financial literacy is the knowledge regarding facts on personal finances. In addition, Lusardi and mitchell [29] defined financial literacy as having adequate economic information and making the right decisions about financial matters such as wealth build-up, debt, financial development, and pensions. Remund [39] further elaborated financial literacy as the ability of a person to understand and use financial matters to his or her advantage. Australian Securities and Investments Commission (ASIC) [1] found that financial literacy is a necessary financial skill required among individuals to improve their standard of living and financial well-being. Past studies have emphasized the importance of financial literacy in financial behavior [17, 28]. Based on the argument of Garman and Forgue [14], the key to good personal financial management is said to be financial literacy. Therefore, this paper intends to investigate if financial literacy can influence the personal financial management practices among Generation Y in Malaysia. As such, this study outlines the following hypothesis:

H1: Financial literacy positively influences personal financial management practices among Generation Y in Malaysia.

2.3 Future Orientation

Future orientation is concerned with individuals who tend to be involved in thinking about the future [40], and the ability to do well in the future [35]. Accordingly, future orientation portrays the degree to which one participates in future-oriented behavior such as planning, saving, and deferral of gratification [23,40]. In the context of future orientation, people gain more motivation to change their lives for the better and gain sufficient flexibility for these changes in order to produce advantageous outputs and more opportunities in the future [36]. An individual that possess a higher level of future orientation is presumed to plan for future-oriented financial behavior and events such as retirement planning [21] and saving [44] well as apart from putting more thought and planning to achieve positive outcomes [19]. This also suggests one to avoid negative attitudes not getting involved in any type of behaviors that may risk his or her future personalities [7]. Therefore, this paper intends to investigate if future orientation and personal financial management practices do have a relationship with one another. As such, this study establishes the following hypothesis:

H2: Future orientation positively influences personal financial management practices among Generation Y in Malaysia.

2.4 Gender

Prior researchers have determined that there is an association between socio-demographic variables and financial matters, which led to the different sets of beliefs held and practices executed regarding money by both males and females [15, 24]. Previous studies found that men had more knowledge and were interested in learning about financial matters when compared to women [4,25,26]. Meanwhile, previous studies have also found that women are more knowledgeable in financial matters which led them to become more worried about their financial futures and performed better financial management [24,27]. This leads to the conclusion that there is a difference between male and female when it comes to handling financial matters. Therefore, this paper intends to examine the moderating role of gender

between financial literacy and future orientation towards personal financial management practices. As such, this study introduces the following hypothesis:

- H3: Gender strengthens the relationship between financial literacy and personal financial management practices among Generation Y in Malaysia.
- H4: Gender strengthens the relationship between future orientation and personal financial management practices among Generation Y in Malaysia.

3. METHODOLOGY

3.1 Sample

This paper employed deductive and quantitative approaches. The use of primary data through cross-sectional survey design was adopted to identify the relationships between the variables, along with convenience sampling under non-probability sampling. The respondents were selected from the states of Sabah, Sarawak, Selangor, Kuala Lumpur, Johor, and Penang. These six states were chosen due to their location and records of having the highest number of bankruptcy cases in Malaysia for the year 2013 to 2017 [9]. The respondents in Malaysia are derived from two regions: east and west Malaysia. West Malaysia consists of three regions; Northern (Penang), Central (Kuala Lumpur and Selangor), and Southern (Johor). As for East Malaysia, it is comprised of two regions: Sabah and Sarawak. Based on the statistics revealed by MDI [9], the highest number of bankruptcy cases recorded from 2013 until 2017 was in Selangor (27,051 cases), followed by Johor (14,582 cases), Federal Territories (13,561 cases) and the Pulau Pinang (6,879 cases).

The G*Power 3.1 software package was employed in this study to calculate the required minimum sample size [10]. The effect size parameters applied in this paper using G*Power was (0.15) (medium), alpha (α) 0.05 with the power of (1- β) 0.99 (maximum), and it involved two predictors [18]. Hence, the optimum sample that has been calculated by G*Power based on the aforementioned parameters for this study is 146 participants from Generation Y in Malaysia. This research used the online survey method as the data collection tool.

3.2 Variables Measurement

Financial Literacy: The measurement of financial literacy was adopted and adapted from Lusardi, Punam, and Adam [30], which embedded 3 items (i.e. interest rate, inflation, and risk diversification). This measurement was initially designed for the 2004 health and retirement survey (HRS) and currently, it serves as the benchmark to measure financial literacy in a number of surveys [31]. This measurement tests the knowledge of fundamental financial concepts [31], wherein only one answer is required to be chosen by the respondents for each items.

Future Orientation: The measurement of future orientation was adopted and adapted from Polonsky, Vocino, Grimmer and miles [38]. The measurement for future orientation has four items that use the Likert scale ranging from 1 (Strongly disagree), 2 (Disagree), 3 (Neither), 4 (Agree), and 5 (Strongly agree) that are used to evaluate the degree of future orientation in each item.

Personal Financial Management Practices: The measurement of personal financial management practices was adopted from both Joo and Garman [22]. The measurement for the variable in this study has eight items employing the Likert scale ranging from 1 (Strongly

3.3 Data Analysis Method

The statistical methods employed in this study were Statistical Package for the Social Sciences version 22.0 (SPSS 22.0) and Smart Partial Least Squares 2.0 (SmartPLS 2.0). This study used SPSS 22.0 to measure the frequency of each variable. Next, this study utilized the partial least square structural equation modelling (PLS-SEM) as the preferred method tool of statistical analysis. PLS-SEM can be applied when the research objective is to predict relevant constructs [18]. Based on this reasoning, the objective of this research is indeed parallel with the objective of PLS-SEM, which is to predict factors that influence personal financial management practices among generation Y in Malaysia. Thus, the PLS-SEM techniques were selected to analyze the research model via SmartPLS 2.0 software. This research embedded a two-stage approach, namely measurement model assessment and structural model assessment [2], which reflect the adequate way to report PLS-SEM outcomes [5].

4. RESULTS AND DISCUSSION

4.1 Profile of Analysis

Table 1. Demographic profile of the participants (N=146)

Demographic Variable	Category	Frequency	Percentage	
Gender	Male	79	54.1%	
	Female	67	45.9%	
Age	16-19 years old	7	4.8%	
	20 – 29 years old	118	80.8%	
	30 – 36 years old	21	14.4%	
Marital	Single	109	74.7%	
	Married	31	21.2%	
	Separated	6	4.1%	
Ethnicity	Malay	49	33.6%	
	Chinese	14	9.6%	
	Indian	15	10.3%	
	Bumiputera Sabah	35	24.0%	
	Bumiputera Sarawak	22	15.1%	
	Others	11	7.5%	
Occupation	Public sector	55	37.7%	
·	Private sector	35	24.0%	
	Self-employed	25	17.1%	
	Student	31	21.2%	
Educational	SPM and below	13	8.9%	
	STPM / Diploma	40	27.4%	
	Bachelor's Degree	69	47.3%	
	Master's Degree	21	14.4%	
	Doctorate Degree	3	2.1%	
	Certificate	0	0.0%	

Table 1 presents the demographic profiles of the 146 respondents for this study, which comprised of 79 males (54.1 percent) and 67 females (45.9 percent). Respondents from the

Malay ethnicity were the most dominant with 33.6 percent which is followed by: Bumiputera Sabah at 24 percent, Bumiputera Sarawak at 14.4 percent, Indian at 10.3 percent, Chinese at 9.6 percent, and others at 7.5 percent. In terms of education background, a majority of the respondents (47.3 percent) held a bachelor degree followed by: 27.4 percent with STPM/Diploma qualification, 14.4 percent with master's degree, 8.9 percent for SPM level and below, while the lowest was 2.1 percent with doctorate qualifications.

4.2 Measurement Model

The first stage of data analysis in PLS-SEM is an analysis of the measurement model. As such, the convergent validity and discriminant validity are assessed in the measurement model [18]. Convergent validity evaluates by using indicator loadings, composite reliability (CR), and average variance extracted (AVE) [18]. As recommended by hair, Hult, Ringle and sarstedt [18], the scores for loading, AVE, and CR must exceed 0.6, 0.5, and 0.7, respectively. Table 2 tabulates that all scores for loading, AVE, and CR exceeded the recommended figures. Hence, it can be seen that the convergent validity for the measurement model was acceptable. Table 3 displays the square roots of AVE for the constructs along the diagonal, which seemed larger than the correlations shared between the constructs. Thus, discriminant validity was achieved.

Table 2. Measurement model

Construct	Item	Loadings	AVE	CR
Financial literacy	FL	1.000	1.000	1.000
Future orientation	Ft1	0.920	0.732	0.915
	Ft2	0.924		
	Ft3	0.739		
	Ft4	0.824		
Gender	Gender	1.000	1.000	1.000
Financial practice	Fp5	0.778	0.518	0.810
	Fp6	0.629		
	Fp7	0.792		
	Fp8	0.664		

Note: fp1, fp2, fp3, and fp4 were deleted due to low loading.

Table 3. Discriminant validity of measurement model

	Financial literacy	Financial practice	Future orientation	Gender
Financial literacy	1.000			
Financial practice	0.229	0.719		
Future orientation	0.100	0.386	0.855	
Gender	-0.127	-0.140	-0.147	1.000

Note: the diagonals represent the square root of the ave, while the off-diagonals represent the correlations

4.3 Structural Model Assessment

After determining the measurement model, the next stage of data analysis in PLS-SEM is to examine the structural model. As suggested by Hair et al. [18] the aspects of beta, t-value, R2, effect sizes (f2), and predictive relevance (Q2) should be incorporated in order to assess the structural model.

Table 4 summarizes the outcomes of the structural model analysis (hypotheses testing). The results showed that financial literacy (H1) (β =0.164, p<0.05) has positively significant effect towards personal financial management practices. Next, the results showed that future orientation (H2) (β =0.338, p<0.01) also has positively significant effect towards personal financial management practices.

The outcomes presented in Table 6 indicate that the interaction effects between financial literacy and gender (H3), and between future orientation and gender (H4) toward personal financial management practices were insignificant, thus signifying nil moderating effect being observed.

The R^2 increased to 0.009 after the moderator interactions were integrated into the model, which resulted in a change of 19.9 percent. The effect size, f^2 , of both financial literacy and future orientation toward personal financial management practices appeared to have small effect (financial literacy) and medium effect (future orientation) respectively [6]. In addition, the predictive relevance of the model was assessed by using the blindfolding procedure. According to Fornell and Cha [11], if Q^2 values exceed 0, the model is said to have sufficient predictive relevance. In this study, the Q^2 value was 0.087, which is greater than 0, and thus, the predictive relevance was confirmed.

Table 4. Result of the structural model (Hypotheses testing)

Ĥ	Relationship	Std. Beta	Std. Error	t-value	Decision	R ²
H1	Financial Literacy -> Financial Practice	0.164	0.080	2.046*	Supported	0.190
H2	Future Orientation -> Financial Practice	0.338	0.077	4.384**	Supported	
НЗ	Financial Literacy*Gender -> Financial Practice	0.076	0.068	1.120*	Not Supported	0.199
H4	Future Orientation*Gender -> Financial Practice	0.063	0.061	1.035*	Not Supported	

Note: **p<0.01, *p<0.05

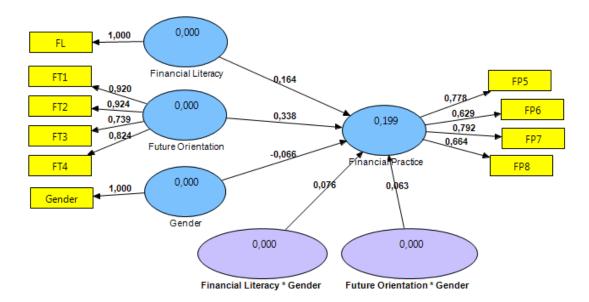


Fig. 1. Path Coefficients of Financial Literacy, Future Orientation, Gender and Financial Practices

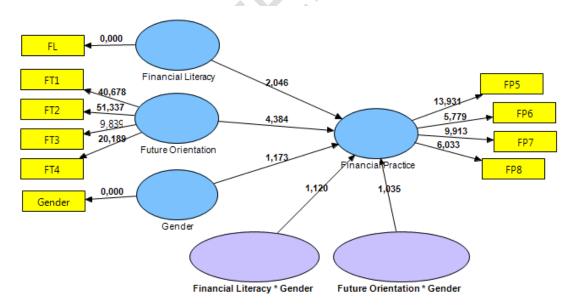


Fig. 2. Bootstrapping of Path Coefficients of Coefficients of Financial Literacy, Future Orientation, Gender and Financial Practices

4. DISCUSSION

This paper found that H1 was accepted, which proves that there is positive relationships between financial literacy and personal financial management practices among generation Y

in Malaysia. The finding of this study is consistent with a previous study indicating that the key to personal financial management practices is the ownership of financial literacy [14]. Hence, one can assume that individuals with better financial literacy are deemed to perform better in regards to personal financial management practices, when compared to those with lower financial literacy.

Furthermore, this paper also found that future orientation (H2) has a positive relationship with personal financial management practices among generation Y in Malaysia. This particular finding is consistent with previous studies in which an individual with future orientation presumed to plan for future-oriented financial behavior and events such as retirement planning and saving [21,44]. In other words, individuals that think about the future would plan their finances more carefully as they want to have effective personal financial management practices.

Last but not least, it was found that gender does not play a moderating role in the relationships between financial literacy (H3) and future orientation (H4) towards personal financial management practices among generation Y in Malaysia. The result of this finding is in contrast with previous studies where both male and female were found to have different practices on financial-related matters [4,24,25,26,27]. This paper found that different practices on personal financial management practices among male and female among generation Y in Malaysia do not exist.

4. CONCLUSION

The study outcomes project that financial literacy and future orientation would have significantly positive effects on personal financial management practices. Meanwhile, gender does not play any moderating role between financial literacy and future orientation on personal financial management practices among Generation Y in Malaysia. As such, the Malaysian Government should focus more on the exposure of financial education for children and youth. This would help to teach these youths to learn about financial matters which can assist them to make better decisions in the future. Hence, the outputs retrieved from this study can serve as guidelines by the Malaysian government agencies and policymakers to implement new subject in the academic field as means to teach about financial matters, efficient counselling as well as replacing the existing policies which are more focused on Generation X. The findings also contribute towards the body of knowledge to offer a better idea in regards to personal financial management practices, apart from being an alternative in the attempt of seeking a solution to curb the escalating bankruptcy issue faced by Generation Y in Malaysia. Therefore, future researchers should consider expanding into other factors, such as money attitude and financial socialization agent, which may unravel other relevant influential factors in the light of personal financial management practices among Generation Y.

COMPETING INTERESTS

Authors have declared that no competing interests exist.

REFERENCES

1. Australian Securities and Investments Commission. National financial literacy strategy. Report 229. 2011.

- 2. Anderson JC, Gerbing DW. Structural equation modeling in practice: A review and recommended two-step approach. Psychological bulletin. 1988;103(3):411-423.
- 351 3. Bank Negara Malaysia. Financial stability and payment systems Report. 2017.
- 4. Chen H, Volpe RP. Gender differences in personal financial literacy among college students. Financial service review. 2002;11:289-307.
- 5. Chin WW. 2010. How to write up and report PLS analyses. In Vinzi WW, Chin J, Henseler, Wang (Eds.), Handbook of partial least squares: Concepts, methods and applications in marketing and related fields. 2010:655-690.
- 357 6. Cohen J. Statistical power analysis for the behavioural science. New Jersey: Erlbaum. 358 1988.
- 7. Chowa GA, Masa RD. Asset ownership and future orientation of youth and their parents: evidence from Ghana. Child & youth services. 2015;36:173–200.
- 361 8. Department of Statistics Malaysia. Bankruptcy statistics laporan tahunan undang-362 undang. 2017.
- Department of Statistics Malaysia. Bankruptcy statistics laporan tahunan undangundang. 2018.
- 10. Erdfelder, Edgar, Franz F, Axel B, Albert GL. Statistical power analyses using G*Power
 3.1: tests for correlation and regression analyses. Behavior research methods. 2009;
 41(4):1149–60.
- 368 11. Fornell C, Cha J. Partial least squares. In Advanced Methods of Marketing Research, 369 Bagozzi, R.P. (ed.). 1994:154-178.
- 12. Garman ET, Forgue, RE. Personal finance. New York: Houghton Mifflin Company. 2006.
- 13. Garman ET, Forgue RE. Personal finance education in the workplace, in proceeding of
 association for financial counseling and planning education. 1997.
- 373 14. Garman, Thomas E, Raymond EF. Personal finance. 5th ed. Boston: Houghton Mifflin. 1997.
 - Hasler A, Lusardi A. The gender gap in financial literacy: a global perspective. 2017

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391

- 16. Hastings JS, Brigitte CM, William LS. Financial literacy, financial education and economic outcomes, Annual review of economics. 2013;5:347-373.
- 17. Hastings JS, Mitchell OS. How financial literacy and impatience shape retirement wealth and investment behaviors. NBER Working Paper No.16740. 2011.
- 380 18. Hair JF, Hult GT, Ringle C, Sarstedt M. 2016. A primer on partial least squares structural 381 equation modelling (PLSM-SEM) (2nd edition). Thousand Oaks: SAGE Publication. 382 2016.
- 383 19. Hershey DA, Mowen JC. Psychological Determinants of Financial Preparedness for Retirement. The Gerontologist. 2000; 40(6):687–697.
- 385
 386
 20. Hilgert MA, Hogarth JM, Beverly SG. Household financial management: The connection between knowledge and behavior. Federal reserve bulletin (July). 2003:309-322.
- 387 *21.* Howlett E, Kees J, Kemp E. The role of self-regulation, future orientation, and financial knowledge in long-term financial decisions. Journal of consumer affairs. 2008.
 - Joo S, Garman ET. Personal financial wellness may be the missing factor in understanding and reducing worker absenteeism. Personal finances and worker productivity. 1998;2(2):172-182.
- 392 23. Kluckhohn FR, Strodtbeck FL. Variations in value orientations. New York, NY: Harpercollins. 1961.
- 394 24. Kim J, LaTaillade J, Kim H. Family processes and adolescents' financial behaviors. 395 Journal of family and economic issues, 2011;32:668-679.
- 396 25. Lachance MJ, Legault F. College students' consumer competence: Identifying the socialization sources. Journal of research for consumers. 2007;13:1 5.
- 398 26. Leila F, Laily P. Gender differences in financial well-being among college students. 399 Australian journal of basic and applied sciences. 2011;5(9):1765-1776.

400 27. Lusardi A, Tufano P. Debt literacy, financial experiences, and over indebtedness, 401 Journal of pension economics and finance, Cambridge University Press, 2015;14(04): 332-368.

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433

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444 445 446

- 403 28. Leila F, Hamidreza B, Laily P. Ethnic and gender in differences in financial management among college students. Journal of American science. 2011;7(6).
 - 29. Lusardi A, Mitchell OS. The economic importance of financial literacy: Theory and evidence. Journal of economic literature. 2014;52(1):5–44.
- 407 30. Lusardi A, Punam K, Adam K. New ways to make people save: a social marketing approach. In Annamaria Lusardi (ed.), overcoming the saving slump: How to increase the effectiveness of financial education and saving programs. 2008:209-236.
 - 31. Lusardi A, Mitceli OS, Curto V. Financial literacy among the young. The journal of consumer affairs, 2010;44(2).
- 412 32. Malaymail. Only 6pc working Malaysians can survive beyond six months without income.
 413 2015.Available: https://www.malaymail.com/news/malaysia/2015/11/26/only-6pc-working-malaysians-can-survive-beyond-six-months-without-income-bn/1012373.
- 415 33. Malaysian Financial Planning Council. Eleven youths going bankrupt each day. 2016.
- 34. Manulife Investor Sentiment Index. Malaysian investors most indebted in Asia Manulife survey. 2016. Available: https://www.theedgemarkets.com/article/malaysian-investors-most-indebted-asia-manulife-survey.
 35. Mccabe KM. Barnett D. The relation between familial factors and the future orientation
 - Mccabe KM, Barnett D. The relation between familial factors and the future orientation of urban, African American sixth graders. Journal of child and family studies. 2000;9:491-508
- 422 36. Mendoza NA, Pracejus JW. Buy now, pay later: does a future temporal orientation affect credit overuse. 1997:499-503.
- 424 37. Ming-Yen T, Wendy, Siong-Choy C, Shi MY. Exploring the factors influencing credit card spending behavior among malaysians. international journal of bank marketing. 2013;31(6):481–500.
- 38. Polonsky MJ, Vocino A, Grimmer M, Miles MP. The interrelationship between temporal and environmental orientation and pro-environmental consumer behaviour. International journal of consumer studies. 2014;38:612 619.
 - 39. Remund D. Financial literacy explicated: The case for a clearer definition in an increasingly complex economy. The journal of consumer affairs. 2010;44(2):022-078
 - 40. Seginer R. Ffuture orientation: Developmental and ecological perspectives. 2009.
 - 41. Stango V, Zinman J. Fuzzy math and red ink: when the opportunity cost of consumption is not what it seems, working paper, dartmouth college. 2007.
- 435 42. The Star. Household debt on the rise. 2016. Available:
 436 https://www.thestar.com.my/business/business-news/2016/04/02/household-debt-on-the-rise/.
- 43. Van RM, Lusardi A, Alessie R. Financial literacy And stock market Participation. National Bureau Of Economic Research Working Paper. Cambridge, MA: NEBR. 2007
- 44. Webley P, Nyhus EK. Parents' influence on children's future orientation and saving.
 Journal of economic psychology. 2006.
- 442 45. Xiao JJ, Tang C, Shim S. Acting for happiness: financial behavior and life satisfaction of college students. Social indicator research. 2009;92(53):53-68.