

**THE PSYCHOSOCIAL FACTORS AFFECTING INTERNATIONAL
STUDENTS' ADJUSTMENT**

IN UNIVERSITY UTARA MALAYSIA



By

TAMMA ELHACHEMI

UUM
Universiti Utara Malaysia

Thesis submitted to

the Ghazali Shafie Graduate School of Government,

Universiti Utara Malaysia,

In Fulfillment of the Requirements for the Degree of Master of Science

2015

PERMISSION TO USE

In presenting this thesis in fulfillment of the requirements for a Post Graduate degree from the Universiti Utara Malaysia (UUM), I agree that the Library of this university may make it freely available for inspection. I further agree that permission for copying this thesis in any manner, in whole or in part, for scholarly purposes may be granted by my supervisor or in his absence, by the Dean of Ghazali Shafie Graduate School of Government where I did my thesis. It is understood that any copying or publication or use of this thesis or parts of it for financial gain shall not be allowed without my written permission. It is also understood that due recognition shall be given to me and to the Universiti Utara Malaysia (UUM) in any scholarly use which may be made of any material in my thesis.

Request for permission to copy or to make other use of materials in this thesis in whole or in part should be addressed to:

Dean of Ghazali Shafie Graduate School of Government

Universiti Utara Malaysia

06010 UUM Sintok

Kedah Darul Aman

ABSTRACT

The globalization of the economy and society has had its impact on Malaysian higher education institutions, particularly universities. The Malaysian Ministry of Higher Education aims at intensifying globalization through increasing the number of international students. However, many international students struggle with adjusting to a new culture. The increasing numbers of international students from different countries in Universiti Utara Malaysia (UUM) have inspired the researcher to explore their psychosocial adjustment in this university. Building on this argument, this study aims to investigate the international student psychosocial adjustment by modifying and testing a model derived from Tseng (2002). This research aims to investigate the influence of personality, social support, language fluency, and cultural differences on the psychosocial adjustment of international students in University Utara Malaysia. The four factors that have been examined in the study were adopted from previous research by Cigularova, D. K. (2005), and Yusliza Mohd (2010). A total of 338 students have been selected as respondents and self-administered survey questionnaire has been developed. The findings indicate that there is a positive correlation coefficient have been shown and remarkably significantly between each one of the four independent variables and the dependent variable. The findings offer few suggestions on how improvement could be made in order to support international students' psychosocial well-being. The research contributes to the fields of intercultural adjustment and also key implications for policy makers.

Keywords: psychological well-being, sociocultural adjustment, international students, UUM.

ABSTRAK

Globalisasi ekonomi dan masyarakat mempunyai kesan ke atas institusi-institusi pengajian tinggi di Malaysia, terutamanya universiti. Kementerian Pengajian Tinggi Malaysia bertujuan meningkatkan globalisasi melalui peningkatan jumlah pelajar antarabangsa. Walau bagaimanapun, ramai pelajar antarabangsa berjuang dengan menyesuaikan diri dengan budaya baru. Nombor peningkatan pelajar antarabangsa dari pelbagai negara di Universiti Utara Malaysia (UUM) telah memberikan inspirasi kepada penyelidik untuk meneroka pelarasan psikososial mereka di universiti ini. Membina hujah-hujah ini, kajian ini bertujuan untuk menyiasat pelarasan psikososial pelajar antarabangsa dengan mengubahsuai dan menguji model berasal dari Tseng (2002). Kajian ini bertujuan untuk mengkaji pengaruh personaliti, sokongan sosial, bahasa kefasihan, dan perbezaan budaya pada pelarasan psikososial pelajar antarabangsa di Universiti Utara Malaysia. Empat faktor yang dikaji dalam kajian ini telah diambil daripada kajian sebelumnya oleh Cigularova, DK (2005), dan Yusliza Mohd (2010). Seramai 338 orang pelajar telah dipilih sebagai responden dan diri yang ditadbir soal selidik kajian telah dibangunkan. Dapatan kajian menunjukkan bahawa terdapat satu pekali korelasi positif telah ditunjukkan dan yang amat ketara antara setiap satu daripada empat pembolehubah bebas dan pembolehubah bersandar. Penemuan menawarkan beberapa cadangan bagaimana penambahbaikan boleh dibuat bagi menyokong psikososial kesejahteraan pelajar antarabangsa. Kajian ini menyumbang kepada bidang penyesuaian antara budaya dan juga implikasi utama bagi pembuat dasar.

Kata kunci: psikologi kesejahteraan, pelarasan sosiobudaya, pelajar antarabangsa, UUM.

ACKNOWLEDGEMENTS

In the name of Allah, the most gracious and the most merciful, i would like to thank the Almighty Allah for giving me the health and the energy to complete my thesis. First and foremost, I would like to express my deepest gratitude to my supervisor, Dr. Abdel Rahim A Jaguli, who is my leader and role model. Where his excellent guidance, caring, patience, favor, and providing me with an excellent word of motivation to complete my research paper. Above all and at the most needed, he provided me unflinching encouragement and support in various ways. I am indebted to his more than he knows. Dr.! Thank you so much, from the bottom of my heart.

I wish to express my utmost appreciation and gratitude to the souls of my parents, Mohammed Laid and Yamina (God have mercy on them) that they passed away for years ago, “My parents, I am on the way that I promised you to move on and achieve when you were alive”, all my prayers to you both to meet with you at the paradise. Last but not least, deepest thanks to all my friends especially Abbas, Walid, Ousama, Sohybe, Hamza and those who are involve either directly or indirectly and also helped me during this research progress until it is finish to the end. Thanks for the friendship, moments and keep supporting me. Furthermore, I would like to thank my family for keep on supporting me to my study and career. Their support gave me aspiration to fulfill my aims and to relieve my sufferance.

Thank you

Tamma Elhachemi

TABLE OF CONTENTS

Table of Contents

PERMISSION TO USE	II
ABSTRACT	III
ABSTRAK	IV
ACKNOWLEDGEMENTS.....	V
TABLE OF CONTENTS	VI
LIST OF TABLES	IX
LIST OF FIGURES	X
CHAPTER 1: INTRODUCTION	1
1.1 Introduction.....	1
1.2 Background	1
1.3 Problem Statement	5
1.4 Research Objectives	9
1.5 Research Questions	9
1.6 Scope of the Study.....	10
Table 1.1 Questionnaires Details	11
1.7 Significance of the Study.....	11
1.8 Organization of the Study	13
CHAPTER 2: LITERATURE REVIEW.....	14
2.1 Introduction.....	14
2.2 Independent variable psychosocial adjustment	14
2.3 Independent variables:.....	18
2.3.1 Personality.....	18
2.3.2 Social Support	20
2.3.3 Language Fluency.....	22
2.3.4 Culture Differences.....	26
2.4 Research Framework	28
2.5 Hypothesis Development	29
2.6 Chapter Summary.....	31
CHAPTER 3: METHODOLOGY	32
3.1 Introduction.....	32

3.2	Research Design.....	32
3.2.1	Quantitative Research.....	33
3.2.2	Instrument of Measurement.....	33
3.3	SAMPLING PROCEDURES.....	34
3.3.1	Introduction.....	34
3.3.2	Target population.....	35
3.3.3	Sampling Techniques.....	36
3.3.4	Sampling Size.....	38
3.4	Research Variables and Measurements.....	38
3.4.1	Personality.....	39
3.4.2	Social Support.....	39
3.4.3	Language.....	39
3.4.4	Cultural Differences.....	40
3.4.5	Psychosocial Adjustment.....	40
3.4.6	Control variables.....	40
3.4.7	Questionnaire Design.....	41
3.5	Data collection.....	42
3.6	Data Analysis Techniques.....	44
3.6.1	Validity and Reliability tests.....	44
3.6.2	Correlation Coefficient.....	46
3.6.3	Regression Analysis.....	46
3.6.4	Descriptive Analysis.....	47
3.7	Ethical Consideration.....	47
3.8	Conclusion.....	48
	CHAPTER 4: FINDINGS & ANALYSIS.....	49
4.1	Introduction.....	49
4.2	Demographic profile.....	49
5.2.1	The age.....	50
5.2.2	Gander.....	50
5.2.3	Level of Education.....	51
5.2.4	Nationality.....	51
4.3	Descriptive Statistics.....	53
4.3.1	Descriptive Statistic of Demographic Profile.....	53
4.3.2	Descriptive Statistics for Independent and Dependent Variables.....	54

4.4	Reliability	58
4.5	Correlations test	59
4.6	Hypotheses Regression Analyses	61
4.6.1	The Effects of (1 st personality and psychosocial adjustment)	61
4.6.2	The Effects of (2 nd social support and psychosocial adjustment)	62
4.6.3	The Effects of (3 rd language fluency and psychosocial adjustment)	63
4.6.4	The Effects of (4 th cultural differences and psychosocial adjustment)	63
4.6.5	The variable that has strongest relationship with international students' psychosocial adjustment	64
4.7	Summary	65
CHAPTER 5: DISCUSSION		66
1.1	Introduction	66
5.2	Discussion of Findings	66
5.2.1	Effect of Personality on International Student's Psychosocial Adjustment	68
5.2.2	Social Support on International Students' Psychosocial Adjustment	72
5.2.3	Language Fluency on International Students' Psychosocial Adjustment	75
5.2.4	Culture Differences on International Students' Psychosocial Adjustment	78
CHAPTER 6: CONCLUSION AND RECOMMENDATION		82
1.1	Introduction	82
6.2	Summaries of Chapters	82
6.3	The Main Findings	84
6.4	Research Contribution	86
6.5	Recommendation	88
6.6	Suggestions for Future Research	91
6.7	Limitations	93
6.8	Conclusion	94
References		96
APPENDIX I		107
APPENDIX II		111

LIST OF TABLES

Table 1.1	Questionnaires Details	11
Table 3.1:	Population of International Students in UUM (HEA)	35
Table 3.2	Rating Scale and Measurement	39
Table 3.3	Summary of scales used in this research	40
Table 3.4	Summary of Demographic Variables	41
Table 3.5	Summary of the questionnaire	42
Table 3.6	Explain The Level Of Acceptability Of The Instrument Used	45
Table 4.1	Age	53
Table 4.2	Gender	50
Table 4.3	Level of Education	50
Table 4.4	Nationality	52
Table 4.5	Descriptive Statistics of Demographic Profile	54
Table 4.6	Descriptive Statistic for Independent and Dependent Variables	56
Table 4.7	Cronbach's Alpha	59
Table 4.8	The Rule of Thumb of Correlation Coefficient Size "r" Value	59
Table 4.9	Correlation Analysis	60
Table 4.10	R-Squared	61
Table 4.11	Regression Analysis of Personality	62
Table 4.12	Regression Analysis of Social Support	62
Table 4.13	Regression Analysis of Language Fluency	63
Table 4.14	Regression Analysis of Culture Differences	64
Table 4.15	Hypothesis Results Summary	64
Table 4.16	Summaries of Reliability, Pearson Correlation and Regression	65

LIST OF FIGURES

Figure 2.1 Theoretical Framework

29



CHAPTER 1

INTRODUCTION

1.1 Introduction

This chapter introduces the outline of the study. The chapter will begin with the background of the study and problem statement, which will describe the concerning issues of the study. The next step will touch on the research objective and this objective is to determine what the researcher wants to achieve in the study. Follow by research questions, the scope and significance of the study will be highlighted. On the final stage of the chapter conclude with the organization of the study.

1.2 Background

Globalization of business and education has opened incalculable doors for culturally diverse contacts. Progress in innovation and exchange has made the world a global commercial center. A growing piece of this internationalization is universal learning. In the setting of today's internationalization in advanced education, the students' structure is progressive worldwide, where more students are encouraging their studies far from their nations of origin. As indicated by Tochkov et al. (2010), there was a million or more global students mulling over around the world, many of them are concentrating on in the Malaysia. Ye (2006) described "global students as an issue experiencing significant change that live in a foreign nation to seek after their educational objectives".

The contents of
the thesis is for
internal user
only

References

- Adler, P. S. (1975). The transitional experience: An alternative view of culture shock. *Journal of Humanistic Psychology*, 4, 13-23.
- Affolder, T., H. Akimoto, et al. (2002). "Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV." *Physical Review D* 65(9): 092002.
- Ambigapathy, P. (2008). Multiculturalism in higher education: A case study of Middle Eastern students' perceptions and experiences in a Malaysian university. *International Journal of Asia Pacific Studies*, 4 (1), 33-59.
- Anderson, J. C. and D. W. Gerbing (1988). "Structural equation modeling in practice: A review and recommended two-step approach." *Psychological bulletin* 103(3): 411.
- Andrade, M. S. (2006). International Students in English-Speaking Universities: Adjustment Factors. *Journal of Research in International Education*, 5(2), 131-154.
- Ang, P. L. D. & Liamputtong, P. (2007). "Out of the circle": Reflection on conducting research into the views of international students from mainland China towards the use of university counselling services. *Journal of Australian and New Zealand Student Services Association*, 30, 6-26.
- Ang, S., L. Van Dyne, and C. Koh (2007), "Cultural intelligence: Its measurement and effects on cultural judgment and decision making, cultural adaptation, and task performance.", *Management and Organization Review*, 3, 335-371.
- Athen, G. (1991). Some help and some myths. *The Counseling Psychologist*, 19, 62-65.
- Babiker, I. E., Cox, J. L., & Miller, P. (1980). The measurement of cultural distance and its relationship to medical consultations, symptomatology, and examination performance of overseas students at Edinburgh University. *Social Psychiatry*, 15, 109-116.
- Barratt, M. F., & Huba, M. E. (1994). Factors related to international undergraduate student adjustment in an American community. *College Student Journal*, 28, 422-435.
- Beach, S. R. H. & Gupta, M. (2006). Directive and nondirective spousal support: Differential effects ? *Journal of Marital and Family Therapy*, 32 (4), 465-478.

- Black, J. S. & Gregersen, H. B. (1991). The other half of the picture: Antecedents of spouse cross-cultural adjustment. *Journal of International Business Studies*, 22, 461-477.
- Brisset, C., Safdar, S., Lewis, J. R., & Sabatier, C. (2010). Psychological and sociocultural adaptation of university students in France: The case of Vietnamese international students. *International Journal of Intercultural Relations*, 34, 413-426.
- Brierty, Edward G., Eckles, Robert W., & Reeder, Robert R. (1998). *Business Marketing (3rd Ed.)*. Pearson Education: Upper Saddle River, New Jersey.
- Bulgan, G. (2011). "Work-family balance and psychosocial adjustment of international students."
- Burns, A. C. and Bush, R. F. (2000). *Marketing Research (3rd ed.)*. Upper Saddle River: Prentice.
- Birman, D., and E. Trickett (2001), "Cultural transitions in first-generation immigrants: Acculturation of Soviet Jewish refugee adolescents and parents", *Journal of Cross-Cultural Psychology*, 32, 456-477.
- Cavanna, A. E. and M. R. Trimble (2006). "The precuneus: a review of its functional anatomy and behavioural correlates." *Brain* 129(3): 564-583.
- Caligiuri, P. M. (2000). Selecting expatriates for personality characteristics: A moderating effect of personality on the relationship between host national contact and cross-cultural adjustment. *Management International Review*, 40, 61-80.
- Cemalcilar, Z., Falbo, T., & Stapleton, L. M. (2005). Cyber communication: A new opportunity for international students' adaptation? *International Journal of Intercultural Relations*, 29, 91-110.
- Chen, G. M. (1992). Communication adaptability and interaction involvement as predictors of cross-cultural adjustment. *Communication Reports*, 9, 33-41.
- Chirkov, V. I., Safdar, S., de Guzman, J., & Playford, K. (2008). Further examining the role motivation to study abroad plays in the adaptation of international students in Canada. *International Journal of Intercultural Relations*, 32, 427-440.
- Church, A. (1982). Sojourner adjustment. *Psychological Bulletin*, 91, 540-572.
- Cigularova, D. K. (2005). "Psychosocial adjustment of international students." *Colorado State University Journal of Student Affairs* 14.
- Cooper, R. D. & Schindler, P. S. (2006). *Business Research Methods (9th Ed.)*. New York:

McGraw-Hill

- Cort, D. A., & King, M. (1979). Some correlates of culture shock among American tourists in Africa. *International Journal of Intercultural Relations*, 3, 211-225
- Creswell, J. W. (2005). *Educational research: Planning, conducting, and evaluating quantitative and qualitative Research* (2nd ed.). Upper Saddle River: Pearson Education.
- Creswell, J. (2003). *Research design* (1st ed., p. 4). Thousand Oaks, Calif.: Sage Publications.
- De Cieri, H., Dowling, P. J., & Taylor, K. F. (1991). The psychological impact of expatriate relocation on partners. *International Journal of Human Resource Management*, 2 (3), 377-414.
- De Raad, B., & Schouwenberg, H. (1996). Personality in learning and education: a review. *European Journal of Personality*, 10, 303±335.
- Deardorff, D. K. (2008). Intercultural competence: A definition, model, and implications for education abroad. In V. Savicki, (Ed). *Developing Intercultural Competence and Transformation: Theory, Research, and Application in International Education* (pp. 32-51). Sterling, VA: Stylus Publishing.
- Dimmock Clive, Leong Jason O.S. 2010 "Studying Overseas: Mainland Chinese Students in Singapore," *Compare, A Journal of Comparative and International Education*, 40(1):25–42.
- Dyson, R., & Rank, K. (2006). Freshman adaptation to university life: Depressive symptoms, stress and coping. *Journal of Clinical Psychology*, 62(10), 1231-1244.
- Edmondson, D., & Park, C. (2009). Shifting foundations: Religious belief change and adjustment in college student. *Mental Health, Religion & Culture*, 12, 289–302.
- El-Khawas, E. (2003). The many dimensions of student diversity. In S. R. Komives & D. B. Woodard Jr. (Eds.), *Student services: A handbook for the profession* (4th ed., pp. 45-52). San Francisco: John Wiley & Sons.
- Engle, L. & Engle, J. (2003). Study abroad levels: Toward a classification of program types. *Frontiers: The Interdisciplinary Journal of Study Abroad*, IX, 1-20.
- Ewen, R. B. (1998). *Personality: A topical approach*. Mahweh, NJ: Erlbaum.

- Eysenck, S. B., H. J. Eysenck, et al. (1985). "A revised version of the psychoticism scale." *Personality and individual differences* 6(1): 21-29.
- Findsen, B. C. (1987). *The process of international graduate student adjustment*. Dissertation Abstracts International, 48(11), 247. (UMI No. AAC 8800aa5)
- Fong and H. Peskin. Sex-role strain and personality adjustment of China-born students in America: A pilot study. *Journal of Abnormal Psychology*. 1969, 74: 563-568.
- Funder, D.C. (2001). *The Personality Puzzle*. (2nd Ed.) New York: Norton.
- Furnham, A., & Alibhai, N. (1985). The friendship networks of foreign students: A replication and extension of the functional model. *International Journal of Psychology*, 20, 709-722.
- Furnham, A., & Bochner, S. (1982). Social difficulty in a foreign culture: An empirical analysis of culture shock. In S. Bochner (Ed.), *Cultures in contact: Studies in cross-cultural interactions* (pp. 161-198). Oxford: Pergamon.
- Forman, S. & Zachar, P. (2001). Cross-cultural adjustment of international officers during professional military education in the United States. *Military Psychology*, 13(2), 117-128. doi:10.1207/S15327876MP1302_04
- Furukawa, T., & Shibayama, T. (1993). Predicting maladjustment of exchange students in different cultures: a prospective study. *Social Psychiatry and Psychiatric Epidemiology*, 28, 142-256.
- Gaudet, Sophie & Clément, Richard. (2004). Identity maintenance and loss: Concurrent processes among Fransaskois. *Canadian Journal of Behavioural Science*, 37(2), 110–122.
- Geert Hofstede | Research And VSM'. Geerthofstede.eu. N.p., 2015. Web. 20 Mar. 2015.
- Geramian, S. M., S. Mashayekhi, et al. (2012). "The relationship between personality traits of international students and academic achievement." *Procedia-Social and Behavioral Sciences* 46: 4374-4379.
- Geramian, S. M., S. Mashayekhi, et al. (2012). "The relationship between personality traits of international students and academic achievement." *Procedia-Social and Behavioral Sciences* 46: 4374-4379.
- Gottlieb, B. H. (2000). Selecting and planning support interventions. *Social support measurement and intervention: A guide for health and social scientists*, 195-220.
- Guilford, J. P. (1956). "The structure of intellect." *Psychological bulletin* 53(4): 267.

- Gullahorn, J. T., & Gullahorn, J. E. (1963). An extension of the U-curve hypothesis. *Journal of Social Issues*, 19, 33-47.
- Gutierrez, J. L. G., Jimenez, B. M., Hernandez, E. G., & Puente, C. P. (2004). Personality and subjective well-being: Big five correlates and demographic variables. *Personality and Individual Differences*, 38, 1561-1569. doi: 10.1016/j.paid.2004.09.015
- Hair, J. F., Black, W. C., Babin, B. J., Anderson, R. E., Tatham, R. L. (2006). *Multivariate Data Analysis* (6th ed). Upper Saddle River: Pearson Education. (Hair 2010)Hair, J. F. (2010). "Multivariate data analysis."
- Hayes, R.L., & Lin, H.R. (1994) Coming to America: Developing social support systems for international students. *Journal of Multicultural Counseling and Development*, 22, 7–16.
- Halamandaris, K. F., & Power, K. G. (1999). Individual differences, social support, and coping with the examination stress: A study of the psychosocial and academic
- Johnson, B. J. (2008). Challenges and Methods in Creating Secondary Sampling Units for Area Probability Samples.
- Jou, Yuh , Huey. & Fukada, Hiromi. (1996). The cause and influence of transitional stress among Chinese students in Japan. *Journal of Social Psychology*, 136, 501-509.
- Kagan, H., & Cohen, J. (1990). Cultural adjustment of international students. *Psychological Science*, 2, 133-137.
- Kashima, E. S. & Loh, E. (2006). International students' acculturation: Effects of international, conational, and local ties and need for closure. *International Journal of Intercultural Relations*, 30, 471-485.
- Kennedy, A. (1994). Personality and psychological adjustment during cross-cultural transitions: A study of the cultural fit proposition. Unpublished master's thesis, University of Centerbury, New Zealand.
- Khoo, P.L.S., Abu-Rasain, M.H., & Hornby, G. (1994). Counselling foreign students: A review of strategies. *Counselling Psychology Quarterly*, 7, 117–131.
- Krejcie, R.V, & Morgan, D.W. (1970). Determining sample size for research activities. *Educational and Psychological Measurement*. 30, 607-610.
- Kuada, J. (2008). *International marketing analysis: Theories and methods* (1st Ed).

- Kwon, Y. (2009). Factors affecting international students' transition to higher education institutions in the United States: From the perspective of the office of international students. *College Student Journal*, 43(3), 1020-1037
- Lapsley, D. K., & Edgerton, J. (2002). Separation-Individuation, Adult Attachment Style, and College Adjustment. *Journal of Counselling and Development*, 80, 484-492.
- Lin, J.-C.G., & Yi, J.K. (1997). Asian international students' adjustment: Issues and program suggestions. *College Student Journal*, 31, 473-479.
- Li, A., & Gasser, M. B. (2005). Predicting Asian international students' sociocultural adjustment: A test of two mediation models. *International Journal of Intercultural Relations*, 29(5), 561-576
- Noels, Kimberlet & Clément, Richard. Communicating across cultures: Social determinants and acculturative consequences. *Canadian Journal of Behavioural Sciences*, 28(3), 214-228.
- Malhotra, N. K. (2004). *Marketing Research: An Applied Orientation* (4th Ed.). Upper Saddle River: Pearson.
- Malhotra, N. K. (2005). *Basic Marketing Research* (2nd Ed.). United State: Pearson.
- McCarthy (1964). *Basic Marketing*. Homewood, IL
- Malhotra, N.K. (2007). *Marketing Research: An applied orientation, (Fifth Edition)*. Pearson International Edition.
- Mallinckrodt, B. & Leong, F.T.L. (1992) International graduate students, stress, and social support. *Journal of College Student Development*, 33, 71-78.
- McDermott, L. A., & Pettijohn, T. F. (2011). The influence of clothing fashion and race on the perceived socioeconomic status and person perception of college students. Poster presented at the 23rd Annual Association for Psychological Science Convention, Washington, D.C.
- Misra, M. Crist and C. J. Burant. Relationship among life stress, social support, academic stressors, and reactions to stressors of international students in the United States. *International Journal of Stress Management*. 2003, 10: 137-157.
- Mohd Yusof, Y., Jauhar, J., & Chelliah, S. (2010). Examining the role of perceived social support on psychological adjustment of international students in a Malaysian public university.

- Monroe, P. (2009). *International encyclopaedia of education*. (Ed.) New Delhi: Cosmo Publications.
- Mooi, E. and Sarstedt, M. (2011). *A concise guide to market research*. 1st ed. Berlin: Springer.
- Morshidi, S. (2008). The impact of September 11 on international student flow into Malaysia: Lessons learned. *International Journal of Asia Pacific Studies*, 4 (1), 79-95.
- Oberg, K. (1960). *Cultural shock: Adjustment to new cultural environments*. Practical Anthropology, 7, 177-182
- Olivas, M. and Li, C. (2006), "Understanding stressors for international students in higher education: what college counselors and personnel need to know", *Journal of Instructional Psychology*, Vol. 33 No. 3, pp. 217-222.
- Pasch, L. A. & Bradbury, T. N. (1998). Social support, conflict, and the development of marital dysfunction. *Journal of Consulting and Clinical Psychology*, 66, 219-230.
- Pedersen, P. (1995). *The five stages of culture shock*. Westport, CT:Greenwood Press.
- Pedersen, P.B. (1991) *Counseling international students*. *The Counseling Psychologist*, 19, 10-58.
- Perrone, K.M. & Worthington, E.L. Jr. (2001) Factors influencing ratings of marital qualities by individuals within dual-career marriages: A conceptual model. *Journal of Counseling Psychology*, 48, 3-9.
- Poropat, A.E. A Meta-Analysis of the Five-Factor Model of Personality and Academic Performance. *Psychological Bulletin*, 2009, 135(2), 322-338.
- Poyrazli, S., & Grahame, K. M. (2007). Barrier to adjustment: Needs of international students within a semi-urban campus community. *Journal of Instructional Psychology*, 33(3), 217-222.
- Poyrazli, S., Arbona, C., Nora, A., McPherson, R., & Pisecco, S. (2002). Relation between assertiveness, academic self-efficacy, and psychosocial adjustment among international graduate students. *Journal of College Student Development*, 5, 632-642.
- Pruitt, F. J. (1978). The adaptation of African students to American society. *International Journal of Intercultural Relations*, 2(1), 90-118.
- Rabkin, J.G., & Struening, E.L. (1976). Life events, stress, and illness. *Science*, 194, 1013-1020.

- Rajapaksa and L, Dundes. It's a long way home: International student adjustment to living in the United States. *College Student Retention*. 2002, 41: 15-28.
- Redmond, M. V., & Bunyi, J. M. (1993). The relationship of intercultural communication competence with stress and the handling of stress as reported by international students. *International Journal of Intercultural Relations*, 24, 151-159.
- Robinson, J. (2009). "International students and American university culture: Adjustment Issues", Paper presented at the meeting of the Washington Area Teachers of English to Speakers of Other Languages. Annual Convention, Arlington, VA.
- Rohrlich, B. F., & Martin, J. N. (1991). Host country and re-entry adjustment of student sojourners. *International Journal of Intercultural Relations*, 15, 163-182.
- Ruben, B. D., & Kealey, D. J. (1979). Behavioral assessment of communication competency and the prediction of cross-cultural adaptation. *International Journal of Intercultural Relations*, 3, 15-47.
- Ryan, M. E., & Twibell, R. S. (2000). Concerns, values, stress, coping, health and educational outcomes of college students who studies abroad. *International Journal of Intercultural Relations*, 24(4), 409-435.
- Sam, D. L. (1998). Predicting life satisfaction among adolescents from immigrant families in Norway. *Ethnicity and Health*, 3, 5-18.
- Sam, R., A. N. M. Zain, et al. (2013). "Academic Adjustment Issues in a Malaysian Research University: The Case of Cambodian, Laotian, Burmese, and Vietnamese Postgraduate Students' Experiences." *International Education Studies* 6(9): p13.
- Sandhu, D.S. (1995) An examination of the psychological needs of the international students: Implications for counseling and psychotherapy. *International Journal for the Advancement of Counselling*, 17, 229–239.
- Saunders, M., Lewis, P., Thornhill, A. (2009). *Research Methods for Business Students* (5th Ed.). England: Pearson.
- Schieman, Scott (2005), "Residential Stability and the Social Impact of Neighborhood Disadvantage: A Study of Gender and Race-Contingent Effects", *Social Forces*, 83, 1031-1064.
- Schlossberg, N. K. (1981). "Major contributions." *Counseling Psychologist* 9(2): 2-15.

- Searle, W., & Ward, C. (1990). The prediction of psychological and sociocultural adjustment during cross-cultural transitions. *International Journal of Intercultural Relations*, 14(4), 449-464.
- Sekaran, U. (2003). (4th Ed.). *Research Method for Business*. New York: John Wiley and Sons, Inc.
- Sekaran, U. and Bougie, R. (2013). *Research methods for business*. 6th ed. New York: Wiley.
- Sherry, M., P. Thomas, et al. (2010). "International students: A vulnerable student population." *Higher education* 60(1): 33-46.
- Smojver-Ažić, S., Živčić-Bećirević, I., Milanović, I., & Sutlić, A. (2007). Povezanost akademske, emocionalne i socijalne prilagodbe studenata s crtama ličnosti i privrženosti roditeljima [Relationship of academic, emotional and social adjustment to college with students' personality traits and parental attachment]. Paper presented at 15. Annual Conference of Croatian Psychologists, Cavtat.
- Stoyhoff, S. (1997). Factors associated with international students' academic achievements. *Journal of Instructional Psychology*, 24, 56-68.
- Suanet, I. & Van de Vijver, F. J. R. (2009). Perceived cultural distance and acculturation among exchange students in Russia. *Journal of Community & Applied Social Psychology*, 19, 182-197.
- Sumer, S. (2009). International Students' Psychological and Sociocultural Adaptation in the United States.
- Sumer, S. Poyrazli and K. Grahame. Predictors of depression and anxiety among international students. *Journal of Counseling and Development*. 2008, 86 (4): 429-437.
- Suseela, M., & Poovaikarasi, S. (2011). Adjustment problems among international students in Malaysian private higher education institutions. *Procedia Social and Behavioural Sciences*, 15(2011), 833-837.
- Swagler, M. A., & Jome, L. M. (2005). The effects of personality and acculturation on the adjustment of North American sojourners in Taiwan. *Journal of Counseling Psychology*, 52, 527-536. doi: 10.1037/0022-0167.52.4.527
- Takeuchi, Riki, Paul E. Tesluk, and Seokhwa Yun (2002), "An Examination of Crossover and Spillover Effects of Spousal and Expatriate Cross-Cultural Adjustments on Expatriate Outcomes", *Journal of Applied Psychology*, 87, 655-666.
- Tomich, J. J. McWhirter and M. U. A. Darcy. Personality and international students' adaptation experience. *International Education*. 2003, 33 (1): 22-39.

- Tan, T. J. and C. Winkelman (2010). "The contribution of stress level, coping styles and personality traits to international students' academic performance." Australian Catholic University, Locked Bag 4115.
- Uda Nagu, S. (2007, October 21). International students: Facing new realities. The Sunday Times, Learning Curve, p. 2.
- Uma Sekaran (2000), *Research Method for Business: A Skill – Building Approach*. New York: John Wiley & Son Inc
- Geramian, S. M., S. Mashayekhi, et al. (2012). "The relationship between personality traits of international students and academic achievement." *Procedia-Social and Behavioral Sciences* 46: 4374-4379.
- wang swee kong (1999). A study of motivation to start up business among Chinese entrepreneur Unpublished Master Dissertation. University Utara Malaysia.
- Ward, C., & Kennedy, A. (1993). Psychological and Socio-cultural Adjustment during Cross-cultural Transitions: A Comparison of Secondary Students Overseas and at Home. *International Journal of Psychology*, 28(2), 129-147.
- Ward, C., & Kennedy, A. (1993). Where's the culture in cross-cultural transition? Comparative studies of sojourner adjustment. *Journal of Cross-cultural Psychology*, 24, 221-249.
- Ward, C., & Kennedy, A. (1999). The measurement of sociocultural adaptation. *International journal of intercultural relations*, 23(4), 659-677.
- Ward, C., & Searle, W. (1991). The impact of value discrepancies and cultural identity on psychological and sociocultural adjustment of sojourners. *International Journal of Intercultural Relations*, 15, 209-225.
- Ward, C., Bochner, S., & Furnham, A. (2001). *The psychology of cultural shock*. Philadelphia: Routledge.
- Ward, C., Leong, C. H., Low, M. (2004). Personality and sojourner adjustment: An exploration of the Big Five and the cultural fit proposition. *Journal of Cross-Cultural Psychology*, 35, 137-151. doi: 10.1177/0022022103260719
- Yang, R P-J., Noels, K. A. and Saumure, D. (2006). Multiple routes to cross-cultural adaptation for international students: Mapping the paths between self-construals, English language confidence, and adjustment. *International Journal of Intercultural Relations*. 30 (4), 487-506.
- Yusliza, M. Y. & Shankar, C. (2010). Adjustment in International Students in Malaysian Public University. *International Journal of Innovation, Management and Technology*, 1 (3), 275-278.

Zhai, L. (2004), "Studying international students: adjustment issues and social support", *Journal of International Agricultural and Extension Education*, Vol. 11 No. 1, pp. 97-104.

Zhang, J., & Goodson, P. (2011). Predictors of international students' psychosocial adjustment to life in the United States: A systematic review. *International Journal of Intercultural Relations*, 35(2), 139-162.

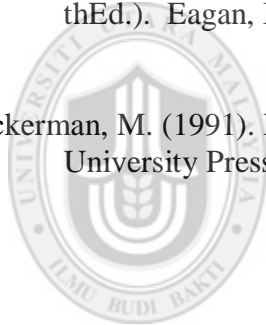
Zikmund W. G. (2003)," *Business Research Method*, 7th Edition, South Western, US.

Zikmund, W. G. (2003). *Exploring Marketing Research* (8th Ed.). Sydney: Thomson.

Zimmerman, S. (1995). Perceptions of intercultural communication competence and international student adaptation to an American campus. *Communication Education*, 44, 321-335.

Zikmund, W. G. & Babin B. J. (2010). *Exploring Marketing Research* (10th Ed.). Eagan, MN: Cengage Learning.

Zuckerman, M. (1991). *Psychobiology of personality*. New York: Cambridge University Press.



UUM
Universiti Utara Malaysia