THE IMPACT OF PAYOFF, SOCIETAL CONTRIBUTION, AND CONVICTION TO ENTREPRENEURIAL INTENTION AMONG CHINESE STUDENTS IN UNIVERSITI UTARA MALAYSIA

 $\mathbf{B}\mathbf{y}$

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Dean of Othman Yeop Abdullah Graduate School of Business Universiti Utara Malaysia 06010 UUM Sintok Kedah Darul Aman **ABSTRACT**

The purpose of this study is to analyze the influence of payoff, societal contribution,

and conviction on entrepreneurial intention among Chinese university students based

on the Theory of Planned Behavior. The current efforts by the government of China to

increase interest in entrepreneurship among Chinese students in response to the

growing challenges of poverty and unemployment have motivated the conduct of this

study. The population of the study covers the Chinese students in Universiti Utara

Malaysia. Using correlation analysis, this study has found that all variables (i.e.

payoff, societal contribution, and conviction) are positively correlated to

entrepreneurial intention. A more robust test by means of multiple regression, on the

other hand, shows that among other variables, payoff positively and significantly

influences entrepreneurial intention. This shows that payoff is the most attractive

element for Chinese university students to engage in entrepreneurship. Thus, focus on

payoff is crucial in order to promote greater interest for entrepreneurship among

Chinese students.

Keywords: entrepreneurial intention, chinese students, payoff, societal contribution,

conviction

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ABSTRAK

Tujuan kajian ini adalah untuk menganalisa pengaruh ganjaran, sumbangan

masyarakat, dan keyakinan terhadap kecenderungan keusahawanan dalam kalangan

pelajar China di universiti berdasarkan Teori Tingkah Laku Terancang. Usahausaha

terbaru oleh kerajaan China untuk meningkatkan minat dalam bidang keusahawanan

dalam kalangan pelajar China sebagai tindak balas kepada cabaran-cabaran yang

semakin bertambah contohnya kemiskinan dan pengangguran mendorong kajian ini

untuk dijalankan. Populasi kajian ini merangkumi pelajar dari China di Universiti

Utara Malaysia. Melalui analisis korelasi, kajian ini mendapati bahawa semua

pemboleh ubah (iaitu ganjaran, sumbangan masyarakat dan keyakinan) mempunyai

hubungan yang positif dengan kecenderungan keusahawanan. Ujian yang lebih

mantap melalui analisis pelbagai regresi menunjukkan bahawa ganjaran memberi

kesan yang positif dan signifikan terhadap kecenderungan keusahawanan. Ini

menunjukkan bahawa ganjaran adalah elemen paling menarik bagi pelajar China

untuk melibatkan diri dalam bidang keusahawanan. Oleh itu, tumpuan kepada

ganjaran adalah penting untuk menggalakkan minat yang lebih mendalam terhadap

keusahawanan dalam kalangan pelajar China.

Kata Kunci: kecenderungan keusahawanan, pelajar china, ganjaran, sumbangan

masyarakat, keyakinan

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LIST OF ABBREVIATIONS

| CIAC | Centre for International Affairs & Cooperation |
|------|--|
|------|--|

DBA Doctor of Business Administration

GDP Gross Domestic Product PhD Doctors of Philosophy

SPSS Statistical Package for the Social Science

UUM Universiti Utara MalaysiaVIF Variance Inflation Factor

CHAPTER 1

INTRODUCTION

1.1 Background of the Study

China has initiated market reforms since 1978 which have helped the country shift from an economy that is centrally planned to an economy that is market based (World Bank, 2014). These market reforms have also lead to rapid economic and social development. China's average GDP growth of around 10 percent a year has improved the lives of more than 500 million people who used to live in poverty (World Bank, 2014). With an estimated population of 1.3 billion, China has recently risen to become the second largest economy in the world and it is increasing playing a significant and influential role in the global market (World Bank, 2014)...

However as compared to advanced countries, China is still considered a developing country having a per capita income which is very small and market reforms which are yet to be fully realized and completed. According to an official data, at the end of 2012 there are still an estimated 98.99 million people who are living below the national poverty line of RMB 2,300 per year (World Bank, 2014). This means that China ranks second after India of having the largest number of poor in the world and as such poverty reduction remains a fundamental challenge in China.

In 2014 China's GDP growth stands at 7.4 percent, which is considered desirable for most countries. However, for the government of China, much is yet to be done. Job

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REFERENCES

- Acs, Z.J., Audretsch, D.B. & Evans, D.S. (1994). The determinants of variations in self-employment rates across countries and over time.
- Ajzen, I. (1991). The theory of planned behavior. *Organizational Behavior and Human Decision Processes*, 50, 179 211.
- Ashcroft, B. & Love J.H. (1996). Firm Births and Employment Change in the British Counties: 1981-89. *Papers in Regional Science*, 75, 483-500.
- Audretsch, D. B., Keilbach, M. C., & Lehmann, E. E. (2006). *Entrepreneurship and economic growth*. Oxford University Press.
- Bandura, A. (1982). Self-efficacy mechanism in human agency. *American Psychologist*, 37, 122-147.
- Bastin, M. (2014, January 31). Entrepreneurship education needed in China. Financial Times. Retrieved from http://www.ft.com/intl/cms/s/2/80529984-876b-11e3-9c5c-00144feab7de.html#axzz30vmCJRPq
- Baumol, W.J. (1990). Entrepreneurship: Productive, unproductive, and destructive. *Journal of Political Economy*, 98(5):893–921.
- Bird, B. (1988). Implementing Entrepreneurial Ideas: The Case for Intention. *Academy of Management Review. 13*, 442-453.
- Boyd, N.G. & Vozikis, G.S. (1994). The Influence of Self-Efficacy on the Development of Entrepreneurial Intentions and Actions. *Entrepreneurship Theory & Practice*. Summer, 63-77.
- Chen, Y., & He, Y. (2011). The impact of strong ties on entrepreneurial intention: An empirical study based on the mediating role of self-efficacy. *Journal of Chinese Entrepreneurship*, 3(2), 147-158.
- Davidsson, P. (1995). Determinants of entrepreneurial intentions. Paper presented at the annual meeting of the Rent IX Workshop, Piacenza Italy (November).
- Douglas, E. J., & Shepherd, D. A. (1999). Entrepreneurship as a utility maximizing response. *Journal of Business Venturing*, 15(3), 231-251.
- Douglas, E. J., & Shepherd, D. A. (2002). Self-employment as a career choice: Attitudes, entrepreneurial intentions, and utility maximization. *Entrepreneurship Theory and Practice*, 26(3), 81-90.
- Eisenhauer, J. G. (1995). The entrepreneurial decision: Economic theory and empirical evidence. *Entrepreneurship Theory and Practice Summer*: 67-79.
- Fitzsimmons, J. R., & Douglas, E. J. (2005). Entrepreneurial Attitudes and Entrepreneurial Intentions: A Cross-Cultural Study of Potential Entrepreneurs in India, China, Thailand and Australia. Babson-Kauffman Entrepreneurial Research Conference, Wellesley, MA. June 2005

- Guerrero, M., Rialp, J., & Urbano, D. (2006). The impact of desirability and feasibility on entrepreneurial intentions: A structural equation model. *International Entrepreneurship and Management Journal*, 4(1), 35-50.
- Hair, J.F., Black, W.C., Babin, B.J., & Anderson, R.E., (2010). *Multivariate Data Analysis* (7th ed.). Upper Saddles River, NJ:Pearson Education.
- Hofstede, G, Noorderhaven, N.G., Wennekers, A.R.M, Uhlaner, L, & Wildeman, R.E. (2004). Culture's role in entrepreneurship: self-employment out of dissatisfaction, in Innovation, Entrepreneurship and Culture: The Interaction between Technology, Progress and Economic Growth, J. Ulijn and T. Brown (eds), (Edward Elgar, Cheltenham, UK and Brookfield, US, 2004), pp.162-203.
- Katz, J. A. & Gartner, W. B. (1988). Properties of emerging organizations. *Academy of Management Review*, 13, 429-441.
- Keilbach, M. & Sanders, M. (2009). The contribution of entrepreneurship to economic growth. In Sustaining Entrepreneurship and Economic Growth (pp. 7-25). *Springer* New York.
- Krueger, N. (1994). Strategic Optimism: Antecedents of Perceived Probabilities of New Venture Success. Paper presented at the Academy of Management meeting. BPS Division.
- Krueger, N. F., & Brazeal, D. (1994). Entrepreneurial potential and potential entrepreneurs. *Entrepreneurship Theory and Practice*, 18(3), 91 104.
- Krueger, N. F., & Carsrud, A. L. (1993). Entrepreneurial intentions: Applying the theory of planned behavior. *Entrepreneurship and Regional Development*, 5(4), 315 330.
- Kuckertz, A., & Wagner, M. (2010). The influence of sustainability orientation on entrepreneurial intention s- Investigating the role of business experience. *Journal of Business Venturing*, 25(5), 524-539.
- Kuratko, D. F., J. S. Hornsby, & D. W. Naffziger (1997). An Examination of Owner's Goal in Sustaining Entrepreneurship. *Journal of Small Business Management*, 35, 24–33.
- Lucky, I.O.E, (2011). Entrepreneurial Performance and Firm Performance. Are They Synonymous? A PhD Experience. *International Journal of Business and Management Tomorrow*. 1(2), 1-6
- Mair, J. & Noboa, E. (2003). *The emergence of social enterprises and their place in the new organizational landscape*. Working Paper 523, IESE Business School, University of Navarra.
- Malhotra, N.K., & Stanton, S.C. (2004). Validating Inter-Object Interaction in Object Oriented Designs. In: 4th IASTED International Conference on Modeling Stimulation and Optimization, Kauai, Hawaii, USA.
- McGrath, R., I.C. MacMillan & S. Scheinberg, 1992. Elitists, risk-takers, and rugged individualists? An exploratory analysis of cultural differences

- between entrepreneurs and non-entrepreneurs. *Journal of Business Venturing*, 7, 115-135.
- McIntire, S. A., & Miller, L. A., (2007). Foundations of psychological testing: a practical approach. 2nd ed. Thousand Oaks, CA: *Sage Publications*.
- Meyers, L., Gamst, G., & Guarino, A.J. (2012). Applied Multivariate Research: Design and Interpretation (2nd ed). SAGE Publications, Inc.
- Moon, J., & Shen, X. (2010). CSR in China research: Salience, focus and nature. *Journal of Business Ethics*, 94(4), 613-629.
- Nunnally, J.C., & Bernstein, J.H., (1994). *Psychometric Theory* (3rd edition). New York: McGraw-Hill.
- Pallant, J. (2013). SPSS Survival Manual, 5th Edition. New York: McGraw-Hill.
- Peng, Q., & Yan, M. (2011). The Research on Entrepreneurship of College-students in China.
- Pruett, M., Shinnar, R., Toney, B., Lopis, F., Fox, J. (2009). Explaining entrepreneurial intentions of university students: a cross-cultural study. *International Journal of Entrepreneurial Behavior & Research*, 15(6), 571-594.
- Reynolds, P. & Miller, B. (1987). New firms: societal contribution versus survival potential. *Journal of Business Venturing*, 2(3), 231-246.
- Roberts, D. (2014, April 4). Why China Needs Such Rapid GDP Growth: More Jobs. *Bloomberg*. Retrieved from http://www.bloomberg.com/bw/articles/2014-04-04/why-china-needs-such-rapid-gdp-growth-more-jobs
- Scheinberg, S. & MacMillan, I.C. (1988). An 11 Country Study of Motivations to Start a Business. *Frontiers of Entrepreneurship Research* 1988. Wellesley, MA.: Babson College.
- Scherer, R.F., J.S. Adams, S.S. Carley & F.A. Wiebe (1989). Role Model Performance Effects on Development of Entrepreneurial Career Preference. *Entrepreneurship Theory & Practice*, Spring, 53-71.
- Schumpeter, J. (1934). The Theory of Economic Development. Harvard University Press, Cambridge.
- Sekaran, U. & Bougie, R. (2013). Research Methods For Business: A Skill Building Approach. 6th ed, Wiley
- Sekaran, U. (2003). Research Methods for Business. A Skill Building Approach (4th ed.). NY: John Wiley and Sons, Inc.
- Shapero, A. & L. Sokol (1982). The social Dimension of Entrepreneurship. In: C.A. Kent, D.L. Sexton & K.H. Vesper (eds.). *The Encyclopedia of Entrepreneurship*. Englewood Cliffs, NJ.: Prentice-Hall.

- Stevenson, H., Roberts, M., & Grousbeck, H. (1989). New business ventures and the entrepreneur. Boston: Irwin.
- Van Stel, A. (2006). Empirical analysis of entrepreneurship and economic growth (Vol. 13). Springer Science & Business Media.
- Veciana, J. M., Aponte, M., & Urbano, D. (2005). University students' attitudes towards entrepreneurship: A two countries comparison. *International Entrepreneurship and Management Journal*, 1, 165 182.
- Vroom, V.H. (1964). Work and Motivation. New York: John Wiley.
- Wang, W., Lu, W., & Millington, J. K. (2011). Determinants of entrepreneurial intention among college students in China and USA. *Journal of Global Entrepreneurship Research*, 1(1), 35-44.
- Wang, L., & Juslin, H. (2009). The impact of Chinese culture on corporate social responsibility: The harmony approach. *Journal of Business Ethics*, 88(3), 433-451.
- World Bank (2014, April 1). *China Overview*. Retrieved from http://www.worldbank.org/en/country/china/overview
- Wu, S., & Wu, L. (2008). The impact of higher education on entrepreneurial intentions of university students in China. *Journal of Small Business and Enterprise Development*, 15(4), 752-774.
- Yang, K. (2012). Entrepreneurship in China. Ashgate Publishing, Ltd..
- Zikmund, W.G., Babin, B.J., Carr, J.C., & Griffin, M. (2010). *Business Research Methods* (8th Ed.) Mason, OH: Thompson South Western.