RELATIONSHIP BETWEEN PSYCHOLOGICAL CHARACTERISTICS AND ENTREPRENEURIAL SUCCESS: A STUDY OF WOMEN ENTREPRENUERS IN MALAYSIA

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UNIVERSITI UTARA MALAYSIA 2007

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ABSTRACT

The topic of this paper is relationship between psychological characteristics and entrepreneurial success: A study of women entrepreneurs in Malaysia. The main purpose of this study are to investigate the relationship between psychological characteristics and entrepreneurial success among women entrepreneurs in Malaysia, and to determine which psychological characteristics that more dominant in terms of influent the women entrepreneurial success. This study was conducted among 150 women entrepreneurs in Malaysia that were listed in USAHANITA's website only. The finding obtained from this study indicated that there was a significant (2 tailed significant) positive relationship between two variables of psychological characteristics (need for achievement and locus of control) and entrepreneurial success. Meanwhile, the results also indicated that variable need for achievement contributes high influence to women entrepreneurial success.

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CHAPTER ONE

INTRODUCTION

1.0 BACKGROUND OF THE STUDY

Entrepreneurship is a decisive factor in order for today's economy of knowledge to attain its competitive and dynamic character. It is the driving force for the achievement of economic development and job creation, contributing at the same time to personal development and effectively dealing with numerous pathogenic social phenomena (Sarri, and Trihopoulou, 2005). Moreover, as Thurik and Wennekers (2004) stated, "in today's world small businesses, and particularly new ones, are seen more than ever as a vehicle for entrepreneurship, contributing not just to employment, social and political stability, but also to innovative and competitive power".

Starting a new firm is a very important decision to an individual, which is become the focal point in the investigation of entrepreneurship regarding individual's qualities as an entrepreneur. Casson (1982) emphasized the characteristics typical the successful entrepreneurs are the ability to take risks, innovativeness, knowledge of how the market functions, manufacturing know-how, marketing skills, business management skills, and the ability to co-operate.

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REFERENCES

- Ahmed, S.U. (1985). Risk-taking propensity, locus of control and entrepreneurship.

 Personality and Individual Differences, 6(6), 781-2.
- Austrian Institute for Small Business Research (2002). Good practices in the promotion of female entrepreneurship. ______: European commission of enterprise directorate general.
- Begley, T.M. & Boyd, D.P. (1986). Psychological characteristics associated with entrepreneurial performance. In Ronstadt, R., Hornaday, J.A., Peterson, R. & Vespers, K.A. (Eds). Frontiers of Entrepreneurship Research. Wellesley: Center for Entrepreneurial Studies.
- Begley, T.M. & Boyd, D.P. (1987). Psychological characteristics associated with performance in entrepreneurial firms and smaller businesses. *Journal of Business Venturing*, 2, 79-93.
- Brindley, C. (2005). Barriers to women achieving their entrepreneurial potential: Women and risk. *International Journal of Entrepreneurial Behaviour & Research*, 11(2), 144-161.
- Brockhaus, R.H. & Horwitz, P.S. (1985). The psychology of the entrepreneur. In Sexton, D.L. & Smilor, R.W. (Eds). *The Art and Science of Entrepreneurship*. Ballinger: Cambridge.
- Brockhaus, R.H. & Nord, W.R. (1979). An exploration of factors affecting the entrepreneurial decision: Personal characteristic vs. Environmental conditions.

 Proceedings of Academy of Management, 364-8.

- Brockhaus, R.H. (1975). I-E Locus of Control scores as predictors of entrepreneurial intentions. *Proceedings of Academy of Management*, 433-5.
- Brockhaus, R.H. (1976). Locus of control and risk-taking propensity as entrepreneurial characteristic. PhD Dissertation. Seattle: Washington University.
- Brockhaus, R.H. (1980). Risk taking propensity of entrepreneurs. *Academy of Management Journal*, 23(3), 509-20.
- Brockhaus, R.H. Sr & Horwitz, P.S. (1986). The psychology of the entrepreneur. In Sexton, D.L. & Smilor, R.W. (Eds). *The Art and Science of Entrepreneurship*, Ballinger: Cambridge.
- Brush, C.G. & Vanderwerf, P.A. (1992). A comparison of methods and sources for obtaining estimates on new venture performance. *Journal of Business Venturing*, 7, 157–170.
- Bygrave, W.D. (1989). The entrepreneurship paradigm (I): A philosophical look at its research methodologies. *Entrepreneurship: Theory and Practice*, 14, 7-26.
- Canada. (2003). *Prime minister's task force on women entrepreneurs*. Retrieved on Disember 30, 2006, from http://www.liberal.parl.gc.ca/entrepreneur/documents
- Cantillon, R. (1931). The circulation and exchange of goods and merchandise. In Higgs,

 H. (Eds.) ______, Macmillan: London.
- Carland, J.W., Carland, A.C. & Aby, C.D. (1989). An assessment of the psychological determinants of planning in small businesses. *International Small Business Journal*, 7(4), 23-34.
- Carrington, C. (2007). Small business financing profiles: Women entrepreneurs. Ontario: Small Business Policy Branch of Industry Canada.

- Cassidy, T. & Lynn, R. (1989). A multifactorial approach to achievement motivation: The developments of comprehensive measure. *Journal of Occupational Psychology*, 62, 301-12.
- Casson, M. (1982). The entrepreneur: An economic theory. Oxford: Martin Robertson.
- Chambers, T. (1998). Alberta's human resources: Changing profiles over the last quarter century of who we are and what we do. *Bulletin*, 51. Edmonton: University of Alberta, Western Centre for Economic Research.
- Chandler, G.N. & Hanks, S.H. (1993). Measuring the performance of emerging businesses: A validation study. *Journal of Business Venturing*, 8, 391–408.
- Chell, E., Haworth, J. & Brearley, S. (1991). *The entrepreneurial personality: Concepts, cases and categories*. London: Routledge.
- Churchill, N.C. & Lewis, V. (1986). Entrepreneurial research: Directions and methods: In Sexton, D.L. & Smilor, R.W. (Eds), *The Art and Science of Entrepreneurship*, Ballinger: Cambridge.
- Cruickshank, P. & Rolland, D. (2006). Entrepreneurial success through networks and social capital: Exploratory considerations from GEM research in New Zealand. *Journal of Small Business and Entreprenuership*, 19(1), 60-73.
- Cunningham, J.B. & Lischeron, J. (1991). Defining entrepreneurship. *Journal of Small Business Management*, 29, 45-61.
- Davidson, J.M. & Burke, J.R. (2004). Women in management worldwide: Facts, figures and analysis. Aldershot: Ashgate Publishing Company.
- Durand, D.E. & Shea, D. (1974). Entrepreneurial activity as a function of achievement motivation and reinforcement control. *Journal of Psychology*, 88, 57-63.
- Echert, L.A., Ryan, J.D., Ray, R.J. & Brace, R.J. (1987). Canadian small business: An entrepreneur's plan. Toronto: Harcourt Brace Jovanovich.

- Entrialgo, M., Fernandez, E & Vazquez, C.J. (2000). Psychological characteristics and process: The role of entrepreneurship in Spanish SMEs. *European Journal of Innovation Management*, 3(3), 137-149.
- Erwee, R. & Pottas, C.D. (1982). Locus of control and achievement motivation of managers. *Psychologia Africana*, 21, 79-102.
- European Commission (2003). *Green paper: Entrepreneurship in Europe*. Brussells: Commission of the European Communities.
- Eurostat (2001). Key employment indicators (2nd term). Brussels: Eurostat.
- Ferguson, E. (1993). Rotter's locus of control scale: A ten-item two-factor model.

 Psychological Reports, 73, 1267-78.
- Fielden, L.S., Davidson, J.M., Dawe, J.A. & Makin, J.P. (2003). Factors inhibiting the economic growth of female owned small businesses in North West England.

 *Journal of Small Business and Enterprise Development, 10(2), 152-66.
- Foundation of Canadian Women Entrepreneurs (2004). Best practices for women entrepreneurs in Canada. Toronto:
- Gartner, W.B. (1989). Some suggestions for research on entrepreneurial traits and characteristics. *Entrepreneurship: Theory and Practice*, 14, 27-37.
- Gartner, W.B. (1990). What are we talking about when we talk about entrepreneurship?

 Journal of Business Venturing, 5(1), 15-28.
- Gartner, W.B. (2001). Is there an elephant in entrepreneurship? Blind assumptions in theory development. *Entrepreneurship Theory and Practice*, 25(4), 27-39.
- Gilad, B.S. (1982). On encouraging entrepreneurship: An interdisciplinary approach. Journal of Behavioral Economics, 11(1), 132-63.

- Gilad, B.S. (1986). Entrepreneurial decision making: Some behaviour considerations. In. Gilad, B.S. & Kaish, S. (Eds). *Handbook of Behavioral Economics*. Greenwich: JAI Press.
- Green, R., David, J., Dent, M. & Tyshkovsky, A. (1996). The Russian entrepreneur: A study of psychological characteristics. *International Journal of Entrepreneurial Behaviour & Research*, 2(1), 49-58.
- Greene, P.G., Hart, M.M., Gatewood, E.J., Brush, C.G., & Carter, N.M. (2003). An overview of research and theory. In. ______. Women Entrepreneurs:

 Moving Front and Center. ______1-47.
- Gurol, Y. & Atsan, N. (2006). Entrepreneurial characteristics amongst university students: Some insights for entrepreneurship education and training in Turkey. Education & Training, 48(1), 25-38.
- Hansemark, O.C. (1998). The effects of an entrepreneurship programme on need for achievement and locus of control of reinforcement. *International Journal of Entrepreuneurial Behaviour & Research*, 4(1), 28-50.
- Harding, R., Cowling, M. & Ream, M. (2004). Female entrepreneurship: Achieving the vision. London: British Chambers of Commerce.
- Harwood, E. (1982). The sociology of entrepreneur: In Kent, C.A., Sexton, D.L. & Vesper, K.H. (Eds). *Encyclopedia of Entrepreneurship*. Prentice Hall: Englewood-Cliffs.
- Herron, L. & Robinson, R.B. Jr. (1993). A structural model of the effects of entrepreneurial characteristics on venture performance. *Journal of Business* Venturing, 8, 281-94.

- Hisrich, R.D. & Dronvsek, M. (2002). Entrepreneurship and small business research: A European perspective. *Journal of Small Business and Enterprise Development*, 9(2), 172-222.
- Ho, T.S. & Koh, H.C. (1992). Differences in psychological characteristics between entrepreneurially inclined and non-entrepreneurially inclined accounting graduates in Singapore. Entrepreneurship, Innovation and Change: An International Journal, 1, 243-54.
- Hollenbeck, J. & Whitener, E. (1988). Reclaiming personality traits for personnel selection: Self-esteem as an illustrative case. *Journal of Management*, 14(1), 81-91.
- Hughes, K.D. (2007). Exploring motivation and success among Canadian women entrepreneurs. *Journal of Small Business and Entrepreneur*, 19(1), 12-25.
- Hughes, K.D. 2003. Pushed or pulled? Women's entry into self-employment and small business ownership. *Gender, Work and Organization*, 10(4), 433–54.
- Hui, S.K., Csete, J. & Raftery, J. (2006). Factors involved in the success of Hong Kong construction and property entrepreneurs. *International Journal of Entrepreneurial* Behaviour & Research, 12(4), 228-245.
- Hull, D.L., Bosley, J.J. & Udell, G.G. (1982). Renewing the hunt for the heffalump: identifying potential entrepreneurs by personality characteristics. *Journal of Business Management*, 20(2), 11-19.
- Huse, M. & Landstrom, H. (1997). European entrepreneurship and small business research: Methodological openness and contextual differences. *International Studies of Management and Organisation*, 27 (3), 3-12.

- Jack, S.L & Anderson, A.R. (1999). Entrepreneurship education within the enterprise culture: producing reflective practitioners. *International Journal of Entrepreneurial Behavior & Research*, 5(3), 1355-2554.
- Jennings, R., Cox, C. & Cooper, C.L. (1994). Business elite: The psychology of entrepreneurs and intrapreneurs. London: Routledge.
- Johnson, D. (2001). What is innovation and entrepreneurship? Lessons for larger organization. *Industrial and Commercial Training*, 33(4), 135-140.
- Kirzner, I. (1973). Competition and entrepreneurship. Chicago: Chicago University Press.
- Kirzner, I. (1992). The meanings of the market process. New York: Routledge.
- Knight, F.H. (1961). Risk uncertainty and profit (1st ed. 1921). Kelly: New York.
- Koh, H.C. (1996). Testing hypotheses of entrepreneurial characteristics: A study of Hong Kong MBA students. *Journal of Managerial Psychology*, 11(3), 12-2.
- Kuratko, D. & Hodgetts, R. (1998). *Entrepreneurship: A contemporary approach*. New York: Dryden Press.
- Lee, D.Y. & Tsang, E.W. (2001). The effects of entrepreneurial personality, background and network activities on venture growth. *Journal of Management Studies*, 38: 583–602.
- Levenson, H. (1973). Multidimensional locus of control in psychiatric patients. *Journal of Consulting and Clinical Psychology*, 41(3), 397-404.
- Levenson, H. (1981). Differentiating among internality, powerful others and chance. In.

 Lefcourt, H. (Ed), Research with the Locus of Control Construct: Assessment

 Methods (Volume 1). Prentice Hall: New York.

- Littunen, H. (2000). Entrepreneurship and the characteristics of the entrepreneurial personality. *International Journal of Entrepreneurial Behaviour and Research*, 6 (6), 295-309.
- Maimunah, I. (2001). Malaysian women in rural development: From rural procedures to urban entrepreneurs. London: Asean Academic Press.
- Marsh, H.W & Richards, G.E. (1987). The multidimensionality of the Rotter I-E scale and its higher-order structure: An application of confirmatory factor analysis.

 Multivariate Behavioral Research, 22, 39-69.
- Martin, M.J.C. (1984). *Managing technological innovation and entrepreneurship*. Reston: New York.
- McClelland, D.C. (1961). The achieving society, Van Nostrand: Princeton.
- McClelland, D.C. (1987). Characteristics of successful entrepreneurs. *Journal of Creative Behavior*, 21, 219-33.
- McGee, J.E., Dowling, M.J. & Megginson, W.L. (1995). Cooperative strategy and new venture performance: The role of business strategy and management experience.

 Strategic Management Journal, 16: 565–580.
- McKay, R. (2001). Women entrepreneurs: moving beyond family and flexibility.

 International Journal of Entrepreneurial Behaviour & Research, 7(4), 148-65.
- Mescon, T.S. & Monanari, J.R. (1981). The personalities of independent and franchise.
 In. Mill, J.S., (1984). Principles of Political Economy with some Applications to
 Social Philosophy. John W. Parker: London.
- Miller, D. & Toulouse, J.M. (1986). Chief executive personality and corporate strategy and structure in small firms. *Management Science*, 32(11), 1389-409.
- Mitton, D.G. (1989). The complete entrepreneur. *Entrepreneurship: Theory and Practice*, 13, 9-19.

- Moore, C.S. & R.E. Mueller (2002). The transition from paid to self-employment in Canada: The importance of push factors. *Applied Economics*, 34(6), 791–801.
- Morrison, A. (2001). Entrepreneurs transcend time: A biographical analysis. *Management Decision*, 39(9), 784-790.
- Morrison, A. (2006). A contextualisation of entrepreneurship. *International Journal of Entrepreneur Behavior and Research*, 12(4), 192-209.
- Naffziger, D., Hornby, J. & Kuratko, D. (1994). A proposed research model of entrepreneurial motivation. *Entrepreneurship Theory and Practice*. Spring, 33.
- National Women's Business Council (2004). Best practices in supporting women's entrepreneurship in the United States: A compendium of public and private sector organizations and initiatives. Washington:
- Nelson, E.G. & Taylor, J. (1995). New ventures and entrepreneurship in an Eastern European context: A training and development programme for managers in state-owned firm. *Journal of European Industrial Training*, 19(9), 12-22.
- Orhan, M. & Scott, D. (2001). Why women enter into entrepreneurship: An explanatory model. *Women in Management Review*, 16(5), 232-47.
- Orser, B.J. & Riding, A.L (2007). Gender-based small business programming: The case of the women's enterprise initiative. *Journal of Small Business And Entreprenuer*. 19(1), 143-166.
- Palmer, M., (1971). The application of psychological testing to entrepreneurial potential.

 California Management Review, 13, 32-8.
- Paulhus, D. (1983). Sphere-specific measures of perceived control. *Journal of Personality* and Social Psychology, 44(6), 1253-65.

- Perry, C., Macarthur, R., Meredith, G. & Cunnington, B. (1986). Need for achievement and locus of control of Austrian small business owner-managers and superentrepreneurs. *International Small Business Journal*, 4(4), 55-64.
- Pervin, L.A., (1980). Personality: Theory, assessment and research. John Wiley & Sons: New York.
- Peter Witt (2004). Entrepreneurs' networks and the success of start-ups. *Entrepreneurship*& Regional Development, 16, 391–412
- Porter, E.G & Nagarajan, K.V. (2005). Successful women entrepreneurs as pioneers:

 Results from a study conducted in Karaikudi, Tamil Nadu, India. *Journal of Small Business and Entreprenuership*, 18(1), 32-43.
- Reynolds, P.D., Hay, M., & Michael C.S. (1999). Global entrepreneurship monitor:

 Executive report. Retrieved on January 5, 2007, from http://www.gemconsortium.org/download.
- Robinson, P.B. & Sexton, E.A. (1994). The effect of education and experience on selfemployment success. *Journal of Business Venturing*, 9(2), 141-56.
- Robinson, P.B., Stimpson, D.V., Huefner, J.C. & Hunt, H.K. (1991). An attitude approach to the prediction of entrepreneurship. *Entrepreneurship: Theory and Practice*, 15, 13-31.
- Rotter, J.B. (1975). Some problems and misconceptions related to the construct of internal versus external control of reinforcement. *Journal of Consulting and Clinical Psychology*, 43, 56-67.
- Rotter, J.B., (1966). Generalized expectancies for internal versus external locus of control of reinforcement. *Psychological Monographs: General and Applied.* Serial number 609, 80, 1-28.

- Sagie, A. & Elizur, D. (1999). Achievement motive and entrepreneurial orientation: a structural analysis. *Journal of Organizational Behavior*, 20(3), 375-87.
- Sarri, K. & Trihopoulou, A. (2005). Female entrepreneurs' personal characteristics and motivation: A review of the Greek situation. Women in Management Review, 20(1), 24-36.
- Say, J.B. (1964). A treatise on political economy. Kelly: New York.
- Schere, J. (1982). Tolerance of ambiguity as a discriminating variable between entrepreneurs and managers. *Proceedings of the Academy of Management*, Vol. 42, 404-8.
- Schlosser, F.K. & Todorovic, Z.W. (2006). Entrepreneurial charisma: A key to employee identification? *Journal of Small Business and Entreprenuership*, 19(1), 35-53.
- Schumpeter, J. (1958). Capitalism, socialism and democracy. New York: Simon & Schuster.
- Schumpeter, J.A. (1934). *The theory of economic development*. Cambridge: Harvard University Press.
- Sekaran, U. (2003). Research methods for business: A skill building approach. Singapore: John Wiley & Sons.
- Sexton, D.L. & Bowman, N. (1985). The entrepreneur: a capable executive and more.

 *Journal of Business Venturing, 1, 129-40.
- Shaver, K.G. & Scott, L.R. (1991). Person, process, choice: The psychology of new venture creation. *Entrepreneurship: Theory and Practice*, 16, 23-45.
- Shefsky, L. (1994). Entrepreneurs are made not born: Secrets from 200 successful entrepreneurs. New York: McGraw-Hill.
- Siri Terjesen (2004). Senior women managers' transition to entrepreneurship leveraging embedded career capital. *Career Development International*, 10(3), 246-259

- Stewart, W.H., Carland, J.C., Carland, J.W., Watson, W.E. & Sweo, R. (2003).

 Entrepreneurial dispositions and goal orientations: A comparative exploration of
 United States and Russian entrepreneurs. *Journal of Small Business Management*,
 41(1), 27-46.
- Still, L.V. & Timms, W. (2000). Women's business: The flexible alternative work style for women. *Women in Management Review*, 15(5/6), 272-83.
- Thurik, A.R. & Wennekers, A.P.M. (2004). Entrepreneurship, small business and economic growth. *Journal of Small Business and Enterprise Development*, 11(1), 140-9.
- Timmons, J.A. (1989). *The entrepreneurial mind*. Andover, MA: Brick House Publishing Company.
- Timmons, J.A. (1991). New venture creation: Entrepreneurship in The 1990s. Dow Jones Irwin: Homewood.
- Timmons, J.A., Smollen, L.E. & Dingee, A.L.M. (1990). New venture creation:

 Entrepreneurship in the 1990s (3rd ed). Homewood: Irwin.
- Utsch, A. & Rauch, A. (2000). Innovativeness and initiative as mediators between achievement orientation and venture performance. *European Journal of Work and Organizational Psychology*, 9(1), 45-62.
- Venkatapathy, R. (1984). Locus of control among entrepreneurs: A review. *Psychological Studies*, 29(1), 97-100.
- Vesper, K.H. (1980). New venture strategies. Englewood Cliffs: Prentice-Hall.
- Westhead, P. & Wright, M. (2000). Introduction. In Westhead, P. & Wright, M. (Eds).

 Advances in Entrepreneurship. Elgar Reference Collection: Cheltenham.