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THE INTENDED SECTORAL CHOICE AND PERCEIVED CAREER STRATEGIES AMONG THE DIPLOMA STUDENTS: A CASE STUDY IN MARA UNIVERSITY OF TECHNOLOGY, KEDAH

A Thesis submitted to the Faculty of Business Management in partial fulfillment of the requirements for the degree of Master of Science (Management), Universiti Utara Malaysia

by

Kong Lai Kuan

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ABSTRAK

Kajian ini mempunyai empat tujuan. Objektif pertama adalah untuk meninjau kecenderungan sektor pilihan pelajar diploma kepada enam sektor-sektor utama, iaitu syarikat-syarikat multinasional, industri kecil dan sederhana, menjalankan perniagaan profesional sendiri, menjalankan perniagaan sendiri, sektor kerajaan atau organisasi bukan kerajaan. Objektif kedua cuba meninjau faktor-faktor penting yang membentuk aspek-aspek kerjaya dan keputusan kerjaya pelajar diploma. Objektif ketiga adalah untuk menilai tanggapan strategi mereka pada masa depan, dan diikuti oleh objektif keempat yang bertujuan mengkaji hubungan antara strategi kerjaya dan sektor pilihan.

Kajian ini penting memandangkan pada masa kini kadar pengangguran siswazah adalah tinggi, tetapi maklumat mengenai bagaimana pelajar diploma membuat keputusan mengenai kerjaya masa hadapan adalah terhad. Kajian ini merupakan kajian populasi yang dijalankan di kalangan pelajar diploma semester akhir di UiTM, cawangan Kedah, pada semester Jun 2003–Oktober 2003. Teori yang menjadi rangka penyelidikan ini adalah berdasarkan "Social Cognitive Career Theory". Ia merupakan satu kajian kuantitatif di mana pembolehubah bersandar adalah sektor pilihan manakala pembolehubah bebas adalah latar belakang, faktor-faktor sosial, kriteria pekerjaan yang lebih digemari, kawalan dalaman, dan strategi kerjaya. Frekuensi, perbezaan nilai min, ujian "Pearson chi-square" dan ujian Korelasi Pearson digunakan untuk menganalisasi data.

Hasil kajian menunjukkan bahawa pelajar lebih cenderung bekerja di syarikatsyarikat multinasional. Dalam aspek kriteria memilih kerjaya, gaji yang lumayan menjadi kriteria terpenting, manakala latihan yang baik ialah faktor yang paling kurang pengaruh. Dalam aspek faktor sosial, ibu bapa dan keluarga terdekat disenaraikan sebagai faktor sosial yang paling berpengaruh, sebaliknya kaunselor univeristi paling tidak berpengaruh dalam pertimbangan pilihan kerjaya pelajar. Ibu bapa juga merupakan model peranan yang paling berpengaruh sebaliknya pengurus dan penyelia merupakan pembolehubah yang paling tidak berpengaruh dalam mempengaruhi sektor pilihan pelajar. Ujian hipotesis menunjukkan bahawa lelaki lebih berkemungkinan menjalankan perniagaan sendiri berbanding dengan perempuan. Mereka yang mempunyai pengalaman bekerja dalam membantu perniagaan keluarga lebih berkemungkinan mendirikan perniagaan sendiri pada masa depan. Dapatan juga mencadangkan bahawa semakin tinggi aspirasi akademik pelajar, semakin besar kemungkinan mereka bekerja di syarikat multinasional, diikuti dengan menjalankan perniagaan sendiri dan mendirikan perniagaan profesional. Bagi mereka yang mempunyai kawalan dalaman tinggi, kencenderungan mereka bekerja di sektor sektor kerajaan atau/dan perniagaan kecil dan sederhana adalah lebih tinggi. Walaubagaimanapun, pemilihan sesuatu sektor tidak ada hubungan dengan mana-mana strategi kerjaya. Malahan, prestasi akademik, bidang pengajian dan strategi kerjaya tidak ada hubungan dengan sektor pilihan pelajar. Seseorang harus berhati-hati dalam membuat generalisasi dapatan kajian ini untuk tempat yang lain kerana dapatan kajian ini hanya terbatas di UiTM, kampus cawangan Kedah sahaja.

ABSTRACT

This research has four objectives. First objective is to investigate the intended sectoral choice of the diploma students among the six major sectors, namely multinational corporations, small and medium-sized enterprises, setting up own professional business, setting up own business, governmental sector or non-governmental organizations. Second objective tries to explore the important factors shaping the career-related aspects and decisions of the diploma students. Third objective is to explore the perceived career strategies in pursuit of future sectoral choice, and followed by the fourth objective is to examine the relationship between career strategies and intended sectoral choice.

This study is important looking at currently the unemployment rate of the graduates is high and yet little information is available about how undergraduate students make decisions concerning their future careers. It is a population study which is conducted among the UiTM final semester graduating diploma undergraduates in the branch campus of Kedah, during the semester June 2003-October 2003. The theory underpinning this research framework is based on the Social Cognitive Career Theory. It is a quantitative research that the dependent variable is sectoral choice while the independent variables are demographic, societal factors, job criteria preferences, locus of control, and career strategies. The frequencies, mean values differences, Pearson Chi-Square test, and Pearson Correlation test are used to analyze the data.

The results suggest that the students would prefer most to work in the multinational corporations. In the aspect of job criteria preferences, top of the list is the attractive salary, while good training is the least influential factors. In the aspect of societal factors, parents and close family are the most influential factors while university counselor is the least influential factors in the students' consideration of career choice. Parent and close family members also are the most mentioned role models while manager and supervisor are rated as the least influential role models. The hypotheses testing showed that males are more likely to set up their own business than females. Those have prior working experience in helping family business are more likely to set up their own business later. The findings also suggest that the higher of the students' academic aspiration, the greater of the students' preferences to work in multinational corporations, followed by setting up own business and setting up own professional firms. For those who have high locus of control, the greater their preferences to work in government sector or/and small and medium-sized enterprises. However, a person's choice of a particular sector has no relationship with any career strategies. Nevertheless, academic performances, area of studies and career strategies have no relationship with students' sectoral choice. One has to exercise caution to generalize the findings to other settings as the present research findings are only limited to UiTM, Kedah branch campus.

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ABBREVIATION

CGPA Cumulate Grade Point Average

CSI Career Strategies Inventories

DBS Diploma in Business Studies

DIA Diploma in Accountancy

DIB Diploma in Banking

DIDE Diploma in Arts and Design

DIM Diploma in Information Management

DPA Diploma in Public Administration

GOVT Governmental Sector

LOC Locus of Control

MBA Master in Business Administration

MNCs Multinational Corporations

NGOs Non-governmental Organizations

PhD Doctor of Philosophy

SCCT Social Cognitive Career Theory

SMEs Small and Medium-Sized Enterprises

SOB Set Up Own Business

SOPF Set Up Own Professional Firm

TWA Theory of Work Adjustment

UiTM MARA University of Technology

CHAPTER 1 INTRODUCTION

1.0 STATEMENT OF THE PROBLEM

In recent years, economic recession not only brings effect to the organization but it has also affected the pace of change in the world of work and career, especially those who have just graduated or going to graduate. Furthermore, rapid expansion in the sector of higher education and the increasing graduate population has led to great concern about graduate unemployment. This phenomenon has also received considerable press coverage and much attention from the public over the last few years.

Youngsters are confronted with the need to make a choice when they are about to leave full-time education and some even felt that this is a crisis because they are unable to decide (Gothard, 1985, p7). Due to economic recession, companies are downsizing and restructuring. Now the opportunities for career development are subtler, and graduates are struggling to find them. Schumpeter (1976) warned earlier, that the expansion of higher education proceeds faster than the development of the labour market's capacities to absorb the graduates so produced, leading to unemployment or underemployment and potential political instability (cited in Morley, 2001). Therefore, Hawkins and Winter (1996) comments are relevant when they remind that "more graduates are filling non-graduate positions with large

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REFERENCES

- Ahmadi, M., & Helms, M. M. (1997). Small firm, big opportunities: the potential of career for business graduates in SMEs. *Education* + *Training*, 39/2, 52-57.
- Bandura, A. (1986). Social foundation of thought and action: A social-cognitive theory. Englewood Cliffs, NJ: Prentice-Hall.
- Barling, J., Dupre, K. E., & Hepburn, C. G. (1998). Effect of parents' job insecurity on children's work beliefs and attitudes. *Journal of Applied Psychology*. 83, 112-118.
- Baroukh, N., & Kleiner, B. H. (2002). Recruitment and training of public servants. *Management Research News*. 25/3, 28-42.
- Barth, T. J. (1993). Career anchor theory. *Review of Public Personnel Admnistration*. 13/4, 27.
- Bello, T. A. (2001). Validating Rotter's (1966) Locus of Control Scale with a sample of Not-for-profit Leaders. *Management Research News*. 24/6/7.
- Bent, R., Seaman, C. E. A., & Ingram, A. (1999). Staff motivation in small food manufacturing enterprises. *British Food Journal*. 101/9, 654-667.
- Betz, N. E., & Fitzgerald, L. F. (1987). The career psychology of women. Academic Press, Inc.
- Binks, M. (1996). Enterprise in higher education and the graduate labor market. *Education + Training*. 38/2, 26-29.
- Bradley, D. E., & Roberts, J. A. (2004). Self-employment and job satisfaction: investigating the role of self-efficacy, depression, and seniority. *Journal of Small Business Management*. 42/1, 37.
- Brindley and Ritchie. (2000). Undergraduates and small and medium-sized enterprises: opportunities for a symbiotic partnership? *Education* + *Training*. 42/9, 509-517.
- Brown, D., & Associates. (2002). Career choice and development (4th ed.). Jossey-Bass, San Francisco.
- Brown, D., Brooks, L., & Associates. (1996). *Career choice and development* (3rd ed.). Jossey-Bass, San Francisco.
- Burger, J. M. (1986). *Personality: theory and research*. Belmont, Calif: Wadsworth, 400-401.
- Burke, R.J., Divinagracia, L. A., and Mamo, E. (1998). Use of career strategies by Filipino managerial women. *Women in Management Review*.13/6, 217-220.

- Campell, C. A. (1992). A decision theory model for entrepreneurial acts. *Entrepreneurship theory and practice*. 21-27.
- Chang, B. L. P. (2002). Career goals and career management strategy among information technology professionals. *Career Development International*. 7/1, 6-13.
- Chapman, J. (1998). Do process consultants need different skills when working with non-profits? *Leadership & Organization Development Journal*. 19/4, 211-215.
- Counsell, D. (1996). Graduate careers in the UK: an examination of undergraduates' perceptions. *Career Development International*. 1/7, 34-41.
- Counsell, D. (1999). Careers in Ethiopia: an exploration of careerists' perception and strategies. *Career Development International*. 4/1, 46-52.
- Counsell, D., & Popova, J. (2000). Career perceptions and strategies in the new market oriented Bulgaria: an exploratory study. *Career Development International*. 5/7, 360-368.
- Cunningham, I. (2001). Sweet charity! Managing employee commitment in the UK voluntary sector. *Employee Relations*. 23/3, 226-239.
- Dalton, G. W. (1995). "Developmental views of careers in organizations", in Arthur, M. B., Hall, D. T. and Lawrence, B. S. (Eds.), *Handbook of Career Theory*. Cambridge University Press, Cambridge.
- Dhaliwal, S. (2000). Etreprenuership a learning process: the experiences of Asian female entrepreneurs and women in business. *Education* + *Training*. 42/8, 445-452.
- Ding, X. (1999). Twenty years through the eyes of Chinese youth: A survey. *China Today*.
- Dolton, P., & Makepeace, G. (1990). Self-employment among graduates. *Bulletin of Economic Research*. 42/1, 35-53.
- Dunnette, M. D., Arvey, R. D., & Banas, P. A. (1973). Why do they leave. *Personnel*. 25-39.
- Euske, K. J. (2003). Public, private, not-for-profit: everybody is unique. *Measuring Business Excellence*. 7/2, 5-11.
- Fisher, C. D., & Yuan, A. X. Y. (1998). What motivates employees? A comparison of US and Chinese responses. *The International Journal of Human Resource Management*. 9/3, 516-528.

- Flowere, L. A., Milner, H., & Moore III, J. L. (2003). Effects of locus of control on African American high school seniors' education. *The High School Journal*. 87/1, 39.
- Fung, C. K. W., Min, K. Z., & Yong, W. W. (1996). Job choice and job mobility for Chinese young professionals. *Hong Kong Manager*. Nov-Dec, 20-25.
- Gattiker, U. E., & Larwood, L. (1988). Predictors for managers' career mobility, success and satisfaction. *Human Relations*. 41/8, 569-591.
- Gattiker, U. E., & Larwood, L. (1989). Career success, mobility and extrinsic satisfaction of corporate managers. *The Social Science Journal*. 26/1, 75-92.
- Gibson, D. E., & Barron, L. A. (2003). Exploring the impact of role models on older employees. *Career Development International*. 8/4, 198-209.
- Gifford, S. (1993). Heterogeneous ability, career choice and firm size. *Small Business Economics*. 5, 249-259.
- Gothard, W. P. (1985). *Vocational guidance: theory and practice*. Croom Helm Ltd, Australia.
- Gould, S. (1979). Characteristics of career planners in upwardly mobile occupational. *Academy of Management Journal*. 22, 539-550.
- Gould, S., & Penley, L. E. (1984). Career strategies and salary progression: a study of their relationship in a municipal bureaucracy. *Organizational Behavior and Human Performance*. 34, 244-265.
- Greenhaus, J. H., & Callanan, G. A. (1994). *Career Management*. Dryden Press, Harcourt Brace College Publishers, New York.
- Guthrie, J. M., Coate, C. J., & Schwoerer, C. E. (1998). Career management strategies: the role of personality. *Journal of Managerial Psychology*. 13, 5/6, 371-386.
- Gysbers, N. C., & Associates (1984). *Designing career: counseling to enhance education, work and leisure*. Jossey-Bass Limited, San Francisco.
- Hall, D. T. (1990). Careers in organizations. Goodyear, Santa Monica.
- Hau, S. C. I., & Ngo, H. Y. (2002). Gender differences in job attribute preferences and job choice of university students in China. *The Journal of Applied Business Research*. 18/2, 15-26.
- Hawkins, P., & Winter, J. (1996). The self-reliant graduate and the SMEs. *Education* + *Training*. 38/4, 3-9.

- Hellriegel, D.J., Slocum, J.W., & Woodman, R.W. (2001). *Organizational Behavior*. (9th ed.). South-Western College Publishing.
- Henderson, R., & Robertson, M. (2000). Who want to be an entrepreneur? Young adult attitudes to entrepreneurship as a career. *Career Development International*. 5/6, 279-287.
- Holland, J. L. (1985). *Making vocational choices*. (2nd ed.). Prentice-Hall, Englewood Cliffs, N. J.
- Holland, J. L. (1997). *Making vocational choices: a theory of careers*. (3rd ed.). Prentice-Hall, Englewood Cliffs, N. J.
- http://www.smidec.gov.my/
- Hulsart R., & Bauman, P. (1983). *Colorado employability skills survey: Report of results*. Denver, CO: Colorado State Department of Education.
- Isaacson, L. E., & Brown, D. (2000). Career Information, career counseling, and career development. (7th ed.). Allyn and Bacon.
- Jackson, T., & Bak, M. (1998). Foreign companies and Chinese workers: employee motivation in the People's Republic of China. *Journal of Organizational Change Management*. 11/4, 282-300.
- Jumaat. A. M., Ishak, A. R., Mohd F. M. S., & Rohani, I. (2004). A study on entrepreneurial attitudes among youths in Malaysia. Case study: Institute Kemahiran Belia Negara, Malaysia. *Journal of American Academy of Business*, Cambridge. 4/1/2, 192.
- King, Z. (2003). New or traditional careers? A study of UK graduates' preferences. *Human Resource Management Journal*. 13/1, 5-26.
- Kolvereid, L., & Moen, O. (1997). Entrepreneurship among business graduates: does a major in entrepreneurship make a different? *Journal of European Industrial Training*. 21/4, 154-160.
- Kuo, Y. F. (2003). Relationship between the adoption of different career strategies and employee background: An empirical study in the information services industry. *International Journal of Management*. 20/4, 453.
- Lackland, A. C., & Lisi, R. D. (2001). Students' choice of college majors that are gender traditional and nontraditional. *Journal of College Students Development*. 42/1, 39.
- Larsen, P. D., McGill, J. S., & Palmer, S. J. (2003). Factors influencing career decision: perspectives of nursing students in three types of programs. *Journal of Nursing Education*. 42/4, 168-173.

- Lau, A., & Pang, M. (1995). Undergraduates' career perceptions and first job needs in Hong Kong. *The International Journal of Career Management*. 7/3, 14-24.
- Lau, A., & Pang, M. (2000). Career strategies to strengthen graduate employees' employment position in the Hong Kong labour market. *Education + Training*. 42/3, 135-149.
- Lau, P. V., & Shaffer, M. A. (1999). Career success: the effects of personality. *Career Development International*. 4/4, 225-230.
- Lent. R. W., Brown, S. D., & Hackett, G. (1996). Career development from a social-cognitive perspective. In Brown, D, Brooks, L., & Associates. (1996), *Career choice and development*. (3rd ed.). Jossey-Bass, San Francisco.
- Leong. F. T. L. (1991). Career development attributes and occupational values of Asian American and white high school students. *Career Development Quarterly*.39, 221-230.
- Leung, A. S. M., & Clegg, S. R. (2001). The career motivation of female executives in the Hong Kong public sector. *Women in Management Review*. 16/1, 12-20.
- Levine, A. (1976). Educational and occupational Choice: a synthesis of literature from sociology and psychology. *Journal of Consumer Research*. 2/4, 276-289.
- Lim, K. G. V., & Teo, S. H. T. (1998). Effects of individual characteristics on police officers' work related attitudes. *Journal of Managerial Psychology*. 13, 5/6, 334-342.
- Ljunggren, E., & Kolvereid, L. (1996). New business formation: does gender make a difference? *Women in Management Review*. 11/4, 3-12.
- London, M., & Mone, E. M. (1987). Career management and survival in the workplace. Jossey –Bass, San Francisco.
- Loughlin, C., & Barling, J. (2001). Young workers' work values, attitudes, and behaviors. *Journal of Occupational and Organizational Psychology*. 74, 543-558.
- Louw, L., Eeden, S. M. V., Bosch, J. K., & Venter, D. J. L. (2003). Entrepreneurial traits of undergraduate students at selected South African tertiary institutions. *International Journal of Entrepreneurial Behavior & Research*. 9/1, 5-26.
- Manshor, A. T., Fontaine, R., & Chong, S. C. (2003). Occupational stress among managers: a Malaysian survey. *Journal of Managerial Psychology*. 18/6, 622-628.
- Mavin. S. (2001). Women's career in theory and practice: time for change? *Women in Management Review*. 16/4, 183-192.

- Mazzarol, T., Volery, T., Doss, N., & Thein, V. (1999). Factors influencing small business start-ups: a comparison with previous research. *International Journal of Entrepreneurial Behaviour & Research*. 5/2, 48-63.
- McClelland, D. (1961). The achieving society. Van Nostrand, New York.
- McPartland, J. M., Dawkins, R.L., & Braddock II, J. H. (1986). The school's role in the transition from education to work: Current conditions and future prospects. Baltimore, MD: Johns Hopkins University, Center for Social Organization of Schools.
- Miller, C. A., Fitch, T., & Marshall, J. L. (2003). Locus of control and at-risk youth: a comparison of regular education high school students and students in alternative schools. *Education*. 123/3, 548-551.
- Miller, D. C., & Form, W. H. (1951). *Industrial Sociology*. Harper, New York.
- Morley, L. (2001). Producing new workers: quality, equality and employability in higher education. *Quality in Higher Education*. 7/2, 131-138. See also Schumpeter, J., (1976), Capitalism, Socialism and democracy, Allen & Unwin, London.
- Moy, J, W., & Lee S. M. (2002). The career choice of business graduates: SMEs or MNCs? *Career Development International*. 7/6, 339-347.
- Mukthtar, S. M., Oakey, R., & Kippling, M. (1999). Utilisation of science and technology graduates by the small and medium-sized enterprise sector. *Education + Training*. 41/9, 425-436.
- Murray, J. L., & Hall, P. M. (2001). Gender differences in undergraduate Holland personality types: vocational and co-curricular implications. NASPA Journal. 39/1.
- Nabi, G. R. (2000). Motivational attributes and organizational experiences as predictors of career-enhancing strategies. *Career Development International*. 5/2, 91-98.
- Orpen, C. (1994). The effects of organizational and individual career management on career success. *International Journal of Manpower*. 15/1, 27-37.
- Paulhus, D. (1983). Sphere specific measures of perceived control. *Journal of Personality and Social Psychology*. 44, 1253-1265.
- Pfeffer, J. (1994). Competitive advantage through people. *Harvard Business School Press*. Boston.

- Phillips. C. R., Phillips, A. S., & Cappel, S. D. (1994). Research note: how management students select prospective employers. *International Journal of Manpower*. 15/1, 55-59.
- Rainey, H. G. (1991). *Understanding and managing public organizations*. Jossey-Bass, San Francisco.
- Rawls, J. R., Ullrich, R. A., & Nelson, O. T. (1975). A comparison of managers entering or reentering the profit and nonprofit sectors. *Academy of Management Journal*. 18/3, 616-623.
- Reitz, H. J., & Jewell, L. N. (1979). Sex, locus of control, and job involvement: A six-country investigation. *Academy of Management Journal*. 22, 72.
- Roffe, I. (1999). Transforming graduates, transforming small firms, *Education* + *Training*, 41/4, 194-201.
- Rotter, J. B. (1966). Generalized expectancies for internal versus external control of reinforcement. *Psychological Monographs*. 80.
- Savickas, M. L., & Lent, R.W. (1994). *Convergence in career development theories*. Palo Alto, California.
- Schein, E. H. (1978). The individual, the organization and the career: a conceptual scheme. *Journal of Applied Behavioural Science*. 7, 401-426.
- Schein, E. H. (1993). *Career anchors: discovering your real values*. Revised. Pfeiffer & Co., London.
- Sears, S. (1982). A definition of career guidance terms. A National Vocational Guidance Association perspectives. *Vocational Guidance Quarterly*. 31, 137-143.
- Sin Chew Jit Poh, 14th November, 2003.
- Sin Chew Jit Poh, 18th April, 2004.
- Snyder, M, M., Osland, J., & Hunter, L. (1996). Public and private organizations in Latin America: a comparison of reward preferences. *International Journal of Public Sector Management*. 9/2, 15-27.
- Sonnenfeld, J., & Kotter, J. P. (1982). The maturation of career theory. *Human Relations*. 35, 19-46.
- Spokane, A. R., Luchetta, E. J., & Richwine, M. H. (2002). Holland's theory of personalities in work environments. In Brown, D., & Associates. (2002). *Career choice and development*. (4th ed.). Jossey-Bass, San Francisco.

- Stewart, J., & Knowles, V. (1999). The changing nature of graduate careers. *Career Development International*. 4/7, 370-383.
- Stewart, J., & Knowles, V. (2000a). Graduate recruitment and selection practices in small business. *Career Development International*. 5/1, 21-38.
- Stewart, J., & Knowles, V. (2000b). Graduate recruitment and selection: implications for HE, graduates and small business recruiters. *Career Development International*. 5/2, 65-80.
- Sturges, J., Guest, D., & Mackenzie, K. (2000). Who is in charge? Graduates' attitudes to and experiences of career management and their relationship with organizational commitment. *European Journal of Work and Organizational Psychology*, 9/3, 351-370.
- Sturges, J., Guest, D., Conway, N., & Davey, K. M. (2002). A longitudinal study of the relationship between career management and organizational commitment among graduates in the first ten years at work. *Journal of Organizational Behavior*. 23, 731-748.
- Super, D. E. (1957). The psychology of careers. Harper & Row, New York.
- Super, D. E. (1990). A life-span, life space approach to career development, in Brown, D., & Associates. (2002). *Career choice and development*. (4th ed.). Jossey-Bass, San Francisco.
- Teo, H. A., & Poon, J. T. F. (1994). Career choice of undergraduates and SMEs in Singapore. *The International Journal of Career Management*. 6/3, 20-26.
- Tranberg, M., Slane, S., & Ekeberg, S. E. (1993). The relation between interest congruence and satisfaction a meta analysis. *Journal of Vocational Behavior*. 42, 253-264.
- Turban, D. B., & Dougherty, T. W. (1994). Role of protégé personality in receipt of mentoring and career success. *Academy of Management Journal*. 37, 688-702.
- Wafa, Syed, Azizi, Ramayah, T., & Tan, M. Y. Malaysian teachers: a study of the factors associated with work attitudes. Also refer (www.management.usm.my/Ramayah/publication%5Cjournal5)
- Westhead, P. (1998). Benefits associated with the 1994 Shell technology enterprise programme. *Journal of Small Business and Enterprise Development*. 5, 60-78.
- Westhead, P., Storey, D. F., & Martin, F. (1998). The Shell technology enterprise programme: students outcomes. *Education* + *Training*. 42, 4/5, 272-281.
- Wiley, C. (1997). What motivates employee according to over 40 years of motivation surveys. *International Journal of Manpower*. 18/3, 263-280.

- Wilson, T., & Davies, G. (1999). The changing career strategies of managers. *Career Development International*. 4/2, 101-107.
- Yousef, D. A. (2000). The Islamic work ethic as a mediator of the relationship between locus of control, role conflict and role ambiguity. *Journal of Managerial Psychology*. 15/4, 283-302.
- Zakaria B. K. (1993). Factors related to the work attitudes of diploma program students at University Pertanian Malaysia. (Ph.D. Thesis): The Ohio State University.