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**FACTORS AFFECTING CAREER CHOICE AMONG
UNDERGRADUATE STUDENTS IN UNIVERSITAS INDONESIA**



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UUM
Universiti Utara Malaysia

MASTER OF SCIENCE MANAGEMENT

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BY

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UUM
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ABSTRAK

Pemilihan kerjaya merupakan salah satu aspek penting di dalam kehidupan seorang individu. Ini kerana kerjaya yang dipilih akan menentukan peranan yang akan dimainkan oleh individu di dalam masyarakat pada masa hadapan dan juga merupakan satu proses yang penting di dalam kehidupan. Tujuan kajian ini dijalankan adalah untuk mengenal pasti faktor-faktor yang mempengaruhi pemilihan kerjaya seorang pelajar. Kajian ini bertumpu kepada pelajar-pelajar ijazah di Universitas Indonesia. Pelajar telah dipilih di dalam kajian ini kerana selepas graduasi, mereka akan berhadapan dengan keputusan untuk membuat pilihan mengenai kerjaya mereka. Sejumlah 300 orang pelajar dipilih untuk menjawab soal selidik yang diedarkan. Data yang diperoleh telah dianalisis menggunakan SPSS versi 22.0. Kajian ini menggunakan analisis kebolehpercayaan, analisis regresi dan analisis korelasi. Keputusan ujian korelasi Pearson menunjukkan pengaruh efikasi sendiri, keluarga, minat peribadi, dan pertimbangan ekonomi mempunyai hubungan yang positif dengan pemilihan kerjaya. Tambahan pula, keputusan analisis regresi menunjukkan bahawa keluarga, efikasi sendiri, minat peribadi, dan pertimbangan ekonomi memberi pengaruh yang besar ke atas pemilihan kerjaya. Beberapa cadangan kajian lanjut dikemukakan untuk kajian di masa hadapan iaitu untuk mengkaji mengenai faktor-faktor lain yang mempengaruhi pemilihan kerjaya seorang pelajar.

ABSTRACT

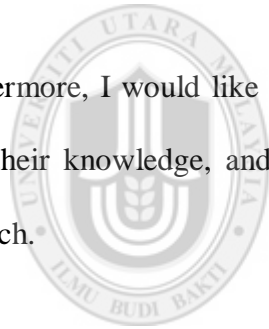
One of the critical aspects of an individual's life is career choice as a career chosen will determine the role pattern need to be played by the individual in the society in the future and the career choice is one of the important processes in life. The aim of this study is to investigate the factors that influencing the career choice of the students. This study is focus on undergraduate students in Universitas Indonesia. Undergraduate students were chosen because right upon graduation, they were the one who will be dealing with the decision on career choice. A total number of 300 students responded to the questionnaire. Statistical Package software for Social Science (SPSS) Version 22.0 was used to analyse the collected data. Reliability analysis, multiple regressions, and correlation were applied to this study. Pearson correlation analysis results showed that the influence of self-efficacy, family, personal interests, and economic considerations have positive relationships to career choices. Moreover, the results of regression analysis showed that the family, self-efficacy, personal interest and economic considerations exerted great influence on the choice of a career. With a view to investigating student's career choice that is affected by other important factors further studies are recommended strongly.

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CHAPTER 1

INTRODUCTION

1.1 Background of the Study

The goal of education is to give young people proper knowledge realistically plan for their future career. Career plays an exceptional and important part in the life of an individual not just because it decides the pattern of income but also because it affects the individual personality and concept in life. Career subsequently, is a decision interest in life, work or accomplishment in one's career, involved by a person throughout his/her lifetime (Napompech, 2011). One advantage of determination and finishing a professional education is access to higher paying and more prestigious careers. The National Center for Educational Statistics (2006) reported that in 2004 males between the ages of 25 and 34 who finished the college education or higher had yearly income of 67% higher than those who are secondary school graduate. This is an increase from a 19% point of interest in 1980. Females with a college education or higher earned 68% more than females that are secondary school graduates. In 2015 the condition demonstrates that 91% of young adult's ages 25 to 29 had secondary school diploma or it's comparable in 2014 and that 34 percent had a bachelor's or higher degree. As in the previous years, average earning was higher for 25-to 34-year-olds with higher education in 2013.

As indicated by Sarwar and Azmat (2013), starting a career is the defining moment of a person's life which is chosen through earlier influencing factors. This traverses every one of the exercises in a person's life from early youth when verifiably everybody is imagining that any action confronted in this division of life has no

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REFERENCES

- Abdullah, A. B. (2007). *Kerjaya dalam bidang kejuruteraan*: PTS Professional.
- Afidatul Asma, H. (2015). *Factors Affecting Career Choice Among Undergraduate Students in Universiti Utara Malaysia, Sintok, Kedah*. Universiti Utara Malaysia.
- Ahmed, A. (2014). Factors Influencing Choice of Career of Business Students. Available at SSRN 2575518.
- Alexander, P. M., Holmner, M., Lotriet, H. H., Matthee, M. C., Pieterse, H., Naidoo, S., . . . Jordaan, D. (2011). Factors affecting career choice: Comparison between students from computer and other disciplines. *Journal of Science Education and Technology*, 20(3), 300-315.
- Allen, E. R. (2016). Analysis of Trends and Challenges in the Indonesian Labor Market.
- AlMiskry, A. S., Bakar, A., & Mohamed, O. (2009). Gender difference and career interest among undergraduates: Implications for career choices. *European Journal of Social Sciences*, 26(3), 465-469.
- Arthur, M. B., & Rousseau, D. M. (1996). A career lexicon for the 21st century. *The Academy of Management Executive*, 10(4), 28-39.
- Atta, M., Akhter, N., Shujja, S., & Shujaat, J. M. (2013). Impact of Self-Efficacy on Negative Career Thoughts in University Graduates. *International Journal of Business and Social Science*, 4(6).
- Austin, C. Y. (2009). Factors Influencing African American High School Students in Career Decision-Making Self-Efficacy and Engineering-Related Goal Intentions.
- Awujo, C. (2007). Child rearing patterns and career choice among secondary school students: Empirical evidence from Rivers State of Nigeria. *Journal of Sustainable Development in Africa*, 9(2), 62-78.
- Babbie, E. R. (2001). *The Practice of Social Research*
- Bandura, A. (1977). Self-efficacy: toward a unifying theory of behavioral change. *Psychological review*, 84(2), 191. In Ghuangpeng, S. (2011). *Factors influencing career decision-making: a comparative study of Thai and Australian tourism and hospitality students*. Victoria University.
- Bandura, A. (1986). *Social foundations of thought and action: A social cognitive theory*: Prentice-Hall, Inc.
- Bandura, A. (1995). *Self-efficacy in changing societies*. New York: Cambridge university press.
- Bandura, A., & Adams, N. E. (1977). Analysis of self-efficacy theory of behavioral change. *Cognitive therapy and research*, 1(4), 287-310.
- Bandura, A., Barbaranelli, C., Caprara, G. V., & Pastorelli, C. (2001). Self-efficacy beliefs as shapers of children's aspirations and career trajectories. *Child development*, 72(1), 187-206.
- Bank, T. W. (2013). Government Expenditure on Education from <http://data.worldbank.org/indicator/SE.XPD.TOTL.GD.ZS>
- Bardick, A. D., Bernes, K. B., Magnusson, K. C., & Witko, K. D. (2004). Junior high career planning: What students want. *Canadian Journal of Counselling*, 38(2), 104. In Saleem, N., Mian, A., Saleem, H. I., & Rao, M. S. (2014).

- Career Selection: Role of Parent's Profession Mass Media and Personal Choice. *Bulletin of Education and Research*, 36(2).
- Beggs, J. M., Bantham, J. H., & Taylor, S. (2008). Distinguishing the Factors Influencing College Students' Choice of Major. *College Student Journal*, 42(2), 381. In Fizer, D. (2013). Factors affecting career choices of college students enrolled in agriculture. *The University of Tennessee, Martin*.
- Bergeron, L. M., & Romano, J. L. (1994). The relationships among career decision-making self-efficacy, educational indecision, vocational indecision, and gender. *Journal of College Student Development*.
- Betz, N. E. (2000). Self-efficacy theory as a basis for career assessment. *Journal of Career Assessment*, 8(3), 205-222.
- Blair, J. P. (1999). Local economic development and national growth. *Economic Development Review*, 16(3), 93. In Fizer, D. (2013). Factors affecting career choices of college students enrolled in agriculture. *The University of Tennessee, Martin*.
- Bolat, N., & Odaci, H. (2016). High School Final Year Students' Career Decision-Making Self-Efficacy, Attachment Styles and Gender Role Orientations. *Current Psychology*, 1-8.
- Borchert, M. (2002). *Career choice factors of high school students*. University of Wisconsin-Stout.
- Boyer, E. L. (1983). *High school: A report on secondary education in America*: ERIC.
- Brendtro, M. J. (1991). *Nursing Students Reasons for Career Choice and Factors Influencing Their Decision*: University of South Dakota.
- Brown, C., Darden, E. E., Shelton, M. L., & Dipoto, M. C. (1999). Career exploration and self-efficacy of high school students: Are there urban/suburban differences? *Journal of Career Assessment*, 7(3), 227-237.
- Brown, D. (2002). *Career choice and development*: John Wiley & Sons.
- Bubic, A. (2014). Decision Making Characteristics and Decision Styles Predict Adolescents' Career Choice Satisfaction. *Current Psychology*, 33(4), 515-531.
- Bui, U. (2005). *The career development of Vietnamese Americans: Factors in career self-efficacy and traditionality of career choice*: University of California, Santa Barbara.
- Butler, S. K. (2012). Issues of Social Justice and Career Development. *Career Planning & Adult Development Journal*, 28(1).
- Chak-keung Wong, S., & Jing Liu, G. (2010). Will parental influences affect career choice? Evidence from hospitality and tourism management students in China. *International Journal of Contemporary Hospitality Management*, 22(1), 82-102.
- Clutter, C. (2010). *The Effects Of Parental Influence On Their Children 'S Career Choices*. Kansas State University.
- Coshow, S. M., Davis, P., & Wolosin, R. J. (2009). The 'big dip': Decrements in RN satisfaction at mid-career. *Nursing Economics*, 27(1), 15.
- Creswell, J. (1994). Sage Publications: Research Design: Qualitative and Quantitative Approaches. *Thousand Oaks. CA*.
- Daniel, H. (2015). *Parential Involvement in High School Students Career Choice in Lafto District, Addis Ababa*.
- Davies, H. T., & Crombie, I. K. (2009). What are confidence intervals and p-values. *London: Hayward Medical Communications*.

- DeSimone, R. L., Werner, J. M., & Harris, D. M. (2002). Human resource development.
- Dharsee, N. (2009). Parental Influence on Career Choices. *Knowledge Magazine*.
- Dictionary, W. s. R. U. (1998). MICRA. USA.
- Din, M. N. U., Khan, D., & Murtaza, A. (2011). Interdisciplinary Journal of Contemporary Research in Business. *Interdisciplinary Journal of Contemporary Research in Business*, 416.
- Edwards, K., & Quinter, M. (2011). Factors influencing students career choices among secondary school students in Kisumu municipality, Kenya. *Journal of Emerging Trends in Educational Research and Policy Studies*, 2(2), 81-87.
- Ekennia, C. C. (2011). Career Interest Inventory (CII) User's Manual. *Federal Government of Nigeria: Federal Ministry of Education, Basic and Secondary Education Department, School Support Division, Guidance and Counselling Branch. Chin and Chis Resource Concept Ltd Owerri, Imo State*.
- Elkin, F. (1960). The Child and Society. The Process of Socialization. New York (Random House)
- Erikson, C. E., Danish, S., Jones, K. C., Sandberg, S. F., & Carle, A. C. (2013). The role of medical school culture in primary care career choice. *Academic Medicine*, 88(12), 1919-1926.
- Ferry, N. M. (2006). Factors influencing career choices of adolescents and young adults in rural Pennsylvania. *Journal of Extension*, 44(3), 1-6.
- Fizer, D. (2013). Factors affecting career choices of college students enrolled in agriculture. *The University of Tennessee, Martin*.
- Franke, S. (2010). *Current realities and emerging issues facing youth in Canada: An analytical framework for public policy research, development and evaluation: Policy Research Initiative*.
- Fuller, K., Kvasny, L., Trauth, E. M., & Joshi, K. (2015). *Understanding Career Choice of African American Men Majoring in Information Technology*. Paper presented at the Proceedings of the 2015 ACM SIGMIS Conference on Computers and People Research.
- Galhena, B. L., & Rathnayake, R. M. D. D. (2011). Determinants of career choice decision of management undergraduates in Sri Lanka. In Proceedings of the International Conference on Business and Information. Retrieved from [http://www.kln.ac.lk/fcms/ICBI2011/ICBI%20CD/ICBI\(Vol.202011\)](http://www.kln.ac.lk/fcms/ICBI2011/ICBI%20CD/ICBI(Vol.202011)).
- Gati, I., Gadassi, R., Saka, N., Hadadi, Y., Ansenberg, N., Friedmann, R., & Asulin-Peretz, L. (2010). Emotional and personality-related aspects of career decision-making difficulties: Facets of career indecisiveness. *Journal of Career Assessment*.
- Gattiker, U. E., & Larwood, L. (1988). Predictors for managers' career mobility, success, and satisfaction. *Human relations*, 41(8), 569-591.
- Gay, L. R., & Diehl, P. (1992). *Research methods for business and management: Macmillan Coll Division*.
- Germeijs, V., Luyckx, K., Notelaers, G., Goossens, L., & Verschueren, K. (2012). Choosing a major in higher education: profiles of students' decision-making process. *Contemporary Educational Psychology*, 37(3), 229-239.
- Ghuangpeng, S. (2011). *Factors influencing career decision-making: a comparative study of Thai and Australian tourism and hospitality students*. Victoria University.
- Goffman, E. (1968). penguin. *asylums, Harmondsworth*.

- Goh, L. L. (2008). *The effects of self-efficacy on career choices and job readiness among people with intellectual disability in Singapore.*
- Gore, P. A., & Leuwerke, W. C. (2000). Predicting occupational considerations: A comparison of self-efficacy beliefs, outcome expectations, and person-environment congruence. *Journal of Career Assessment*, 8(3), 237-250.
- Hackett, G., & Betz, N. E. (1981). A self-efficacy approach to the career development of women. *Journal of Vocational Behavior*, 18(3), 326-339.
- Hall, S., & Vance, E. A. (2010). Improving self-efficacy in statistics: Role of self-explanation and feedback. *Journal of Statistics Education*, 18(3), 1-22.
- Hansen, K.-H. (1999). A qualitative assessment of student interest in science education. *Studies in Educational Evaluation*, 25(4), 399-414.
- Harris, M. C., Marx, J., Gallagher, P. R., & Ludwig, S. (2005). General vs subspecialty pediatrics: factors leading to residents' career decisions over a 12-year period. *Archives of pediatrics & adolescent medicine*, 159(3), 212-216.
- Heiligers, P. J. (2012). Gender differences in medical students' motives and career choice. *BMC medical education*, 12(1), 1.
- Henderson, S., Hesketh, B., & Tuffin, K. (1988). A test of Gottfredson's theory of circumscription. *Journal of Vocational Behavior*, 32(1), 37-48.
- Heritage, A. (2011). consideration. (n.d.) Retrieved 19, 2016, from www.thefreedictionary.com/consideration
- Hewitt, J. (2010). Factors influencing career choice.
- Hsieh, C.-L. A. (2006). *A study of the relationship between work values and career choice among hospitality management students in Taiwan.*
- Hughes, E. C. (1937). Institutional office and the person. *American journal of sociology*, 404-413.
- Ilgen, D. R., Lloyd, J. W., Morgeson, F. P., Johnson, M. D., Meyer, C. J., & Marrinan, M. (2003). Personal characteristics, knowledge of the veterinary profession, and influences on career choice among students in the veterinary school applicant pool. *Journal of the American Veterinary Medical Association*, 223(11), 1587-1594.
- Jackle, M. J. (1993). *Contingent employment in nursing: Factors affecting career choice.*
- Johnson, J. D., Starobin, S. S., Laanan, F. S., & Russell, D. (2012). The Influence of Self-Efficacy on Student Academic Success, Student Degree Aspirations, and Transfer Planning.
- Jungen, K. A. (2008). *Parental Influence and Career Choice: How Parents Affect the Career Aspirations of Their Children. Graduate Degree/Major: MS Guidance and Counseling Research Adviser: Carol L. Johnson, Ph. D. Month/Year: May, 2008. University of Wisconsin-Stout.*
- Kaygin, E., & Gulluce, A. (2013). The Relationship between Career Choice and Individual Values: A Case Study of a Turkish University. *International Journal of Humanities and Social Science*, 3(3), 119-134.
- Kniveton, B. (2004). The influences and motivations on which students base their choice of career. *Research in Education*, 72(1), 47-59.
- Koc, E. (2008). NACE Research: The Oldest Young Generation. *Nace Journal*, 68(4), 23.
- Krejcie, R. V., & Morgan, D. W. (1970). Determining sample size for research activities. *Educ psychol meas.*

- Kroth, M., & Boverie, P. (2009). Using the discovering model to facilitate transformational learning and career development. *Journal of Adult Education*, 38(1), 43.
- Lent, R. W., Brown, S. D., & Hackett, G. (1994). Toward a unifying social cognitive theory of career and academic interest, choice, and performance. *Journal of Vocational Behavior*, 45(1), 79-122.
- Leuwerke, W. C., Robbins, S., Sawyer, R., & Hovland, M. (2004). Predicting engineering major status from mathematics achievement and interest congruence. *Journal of Career Assessment*, 12(2), 135-149.
- Lindholm, J. A. (2004). Pathways to the professoriate: The role of self, others, and environment in shaping academic career aspirations. *The Journal of Higher Education*, 75(6), 603-635.
- Lins, L., Damasceno, H., Barreto, F., Menezes, M., de Jesus Santos, R., Herbas, S., & Lisboa, L. (2015). Factors Associated to the Choice of the Medical Career in Northeast Brazil. *Journal of Research in Medical Education & Ethics*, 5(1), 25-31.
- Liu, Y., Englar-Carlson, M., & Minichiello, V. (2012). Midlife career transitions of men who are scientists and engineers: A narrative study. *The Career Development Quarterly*, 60(3), 273-288.
- Maharaj, S. H. (2008). *An investigation of the factors affecting the career choice of selected health-care students (physiotherapy, chiropractic, medicine and occupational therapy) in Kwazulu Natal*.
- Maina, B. N. (2013). *Factors influencing career choices among undergraduate students in public Universities in Kenya-A case of compassion international sponsored students*. University of Nairobi.
- Malach-Pines, A., Özbilgin, M. F., Burke, R., & Agarwala, T. (2008). Factors influencing career choice of management students in India. *Career Development International*, 13(4), 362-376.
- Margolis, J. (2008). What will keep today's teachers teaching? Looking for a hook as a new career cycle emerges. *The Teachers College Record*, 110(1), 160-194.
- Mashige, K., & Oduntan, O. (2011). Factors influencing South African optometry students in choosing their career and institution of learning. *African Vision and Eye Health*, 70(1), 21-28.
- Mcglynn, A. P. (2007). Achieving the Dream – What is it, and What's new? The Hispanic Outlook in Higher Education 18(4):44-45.
- Metheny, J., McWhirter, E. H., & O'Neil, M. E. (2008). Measuring perceived teacher support and its influence on adolescent career development. *Journal of Career Assessment*.
- Mimbs, C. A. (1996). Career choice decisions of family and consumer sciences education recent graduates: Implications for recruitment to address the teacher shortage.
- Mudhovozi, P., & Chireshe, C. (2012). Socio-demographic factors influencing career decision-making among undergraduate psychology students in South Africa. *Journal of Social Sciences*, 31(2), 167-176.
- Multon, K. D., Brown, S. D., & Lent, R. W. (1991). Relation of self-efficacy beliefs to academic outcomes: A meta-analytic investigation. *Journal of counseling psychology*, 38(1), 30.
- Najmuddin, H. (2005). PTS Professional Publishing. *Membimbing Remaja Memilih Pendidikan & Kerjaya*.

- Napompech, K. (2011). *What Factors Influence High School Students in Choosing Cram School in Thailand*. Paper presented at the International Conference on Business and Economics Research, Singapore.
- Nation, J. R. (1997). *Research methods*: Prentice Hall.
- Neuman, W. (2007). *Basics of social Research, Qualitative and Quantitative Approaches*, Publisher's Design and Production Services: Pearson Education Inc. ISBN: 0-205-48-13.
- Ngunjiri, G. F. (2013). *Decisiveness in Career Choices among Secondary School Students in Kiambu West District-Kiambu County, Kenya*. School of Education in Partial Fulfillment for the Requirements for Award of Degree of Master of Education, Kenyatta University.
- Industrial Relations Net Asia Pacific Industrial Relations Network ILO Regional Office for Asia and the Pacific. (n.d.). Retrieved June 23, 2016, from <http://apirnet.ilo.org/resources/labour-and-social-trends-in-indonesia-2014-2015-strengthening-competitiveness-and-productivity-through-decent-work>
- Ogunrinola, O. I. (2011). Global Economic Crisis and Career Aspirations among 'Okada' Riders in Nigeria. In Onijigin, E. (2009). Financial Benefit, Prestige of the Profession and Job Security as Correlates of Career Aspiration of Secondary School Students in Ekiti State Nigeria. *Pakistan Journal of Social Sciences*, 6(4), 190-193.
- Okamopelola, I. (2014). Effects of Parental Influence on Adolescents' Career Choice. *Journal of Research and Method in Education, Volume 4, Issue 4 Ver. III, Pp.44-57*.
- Olichwier, K. K. (2014). *African American College Students' Perceptions of Nursing as a Career Choice*. Walden University.
- Onijigin, E. (2009). Financial Benefit, Prestige of the Profession and Job Security as Correlates of Career Aspiration of Secondary School Students in Ekiti State Nigeria. *Pakistan Journal of Social Sciences*, 6(4), 190-193.
- Otta, F., & Williams, N. O. (2012). Self Concept and Vocational Interest Among Secondary School Students (Adolescents). *Self*, 1(4).
- Pallant, J. (2001). *SPSS survival manual: A step by step guide to data using SPSS for Windows (Version 10 and 11)*: Philadelphia: Open University Press.
- Price, S. (2009). Future directions for career choice research in nursing: a discussion paper. *International Journal of Nursing Studies*, 46(2), 268-276.
- Prideaux, L.-A. (2001). The Career Choice Cycle Course. *Career development programs: Preparation for lifelong career decision making*, 58. In Patton, Wendy (Editor); McMahon, Mary (Editor). *Career Development Programs: Preparation for Lifelong Career Decision Making*. Camberwell, Vic.: ACER Press, 2001: 58-69.
- Reddy, G. C., & Rajaram, N. (2015). Career Aspirations and Background of Students Opting for Fashion Education Courses in India. *Procedia-Social and Behavioral Sciences*, 176, 952-960.
- Rettenmayer, J., Berry, R., & Ellis, S. (2007). The image of the information system profession: An investigation of gender differences. *Journal of Computing Sciences in Colleges*, 22(5), 46-51.
- Richardson, S. (2009). Undergraduates' perceptions of tourism and hospitality as a career choice. *International Journal of Hospitality Management*, 28(3), 382-388.

- Rogers, M. E., Creed, P. A., & Glendon, A. I. (2008). The role of personality in adolescent career planning and exploration: A social cognitive perspective. *Journal of Vocational Behavior*, 73(1), 132-142.
- Salami, S. O. (2008). Roles of personality, vocational interests, academic achievement and socio-cultural factors in educational aspirations of secondary school adolescents in southwestern Nigeria. *Career Development International*, 13(7), 630-647.
- Saleem, N., Mian, A., Saleem, H. I., & Rao, M. S. (2014). Career Selection: Role of Parent's Profession Mass Media and Personal Choice. *Bulletin of Education and Research*, 36(2).
- Sarwar, A., & Azmat, A. (2013). Factors Having Impact on the Career Decisions: Study of Business Graduates in Pakistan. *Business Management Dynamics*, 2(7), 09-19.
- Scabini, E., & Manzi, C. (2011). Family processes and identity *Handbook of identity theory and research* (pp. 565-584)
- Sekaran, U. (1992). Research Methods for Business: A Skill Building Approach, John Willey and sons Inc.
- Sekaran, U. (2003). Research methods for business: a skill building approach. *Journal of Education for Business*, 68(5), 316-317.
- Sekaran, U., & Bougie, R. . (2000). Research methods for business: A skill-building approach (3rd ed). NYC: John Willey Sons.
- Sekaran, U., & Bougie, R. (2010). Research Method for Business, A Skill Building Approach. John Wiley & Sons Inc.
- Shaffer, D. R. (2002). Developmental psychology: Childhood and adolescence: Wadsworth Publishing Company.
- Sidiropoulou-Dimakakou, D., Mylonas, K., Argyropoulou, K., & Tampouri, S. (2012). Career decision-making difficulties, dysfunctional thinking and generalized self-efficacy of university students in Greece. *World Journal of Education*, 2(1), 117-130.
- Smith, SM (2002). Using the social cognitive model to explain vocational interest in information technology. *Information Technology, Learning, and Performance Journal*, 20(1), Spring, pp. 1-8.
- Stacks, D. (2002). Public Relations Research: NY: The Guilford Press.
- Suutari, V. (2003). Global managers: career orientation, career tracks, life-style implications and career commitment. *Journal of Managerial Psychology*, 18(3), 185-207.
- Swanson, J. L., & Gore, P. A. (2000). Advances in vocational psychology theory and research.
- Tabachnick, B. G., Fidell, L. S., & Osterlind, S. J. (2001). Using multivariate statistics.
- Tabassum, A., & Rahman, T. (2014). Exploring the Factors Influencing Career Choice of BBA Students in Bangladesh. *World*, 4(3).
- Tay, J., Siddiq, T., & Atiomo, W. (2009). Future recruitment into obstetrics and gynaecology: Factors affecting early career choice. *Journal of Obstetrics and Gynaecology*, 29(5), 369-372.
- Taylor, K. M., & Popma, J. (1990). An examination of the relationships among career decision-making self-efficacy, career salience, locus of control, and vocational indecision. *Journal of Vocational Behavior*, 37(1), 17-31.

- Tekke, M., Ghani, M. F. b. A., & Kurt, N. (2015). Running head–vocational interest and exploration in childhood: parenting style. *Global Business and Economics Research Journal*, 4(2), 27-38.
- Van Zyl, C., & de Villiers, C. (2011). Why some students choose to become chartered accountants (and others do not). *Meditari Accountancy Research*, 19(1/2), 56-74.
- Venable, M. (2007). Online career services: What do college students want and expect. Paper presented at the 23 rd Annual Conference on Distance Teaching & Learning.
- Watson, M., & McMahon, M. (2007). School and work: connections made by South African and Australian primary school children. *South African Journal of Education*, 27(4), 565-578.
- Wildman, M. L., & Torres, R. M. (2002). Factors influencing choice of major in agriculture. *NACTA Journal*, 46(3), 4.
- Youssef, M. A. (1984). Factors affecting career choice and labor market success for Egyptian university graduates. The Ohio State University.
- Zunker, V. (2006). Career counseling: A holistic approach . Belmont, CA: Brooks: Cole Publishing Co.
- Zuraidah, I. (2010). The Differences of Career Self-efficacy in the Selection of Careers among Malay Students at International Islamic University Malaysia. *International Journal of Educational Researchers*, 1(3), 17-30.



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