WOMEN ENTREPRENEURS' PERFORMANCE: MICROFINANCE FACTORS WITH MEDIATING EFFECT OF OPPORTUNITY AND MODERATING EFFECT OF ATTITUDE

By

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ABSTRACT

The purpose of this study was to investigate the relationship between micro-finance related factors (credit, savings, training and social capital) offered by micro-finance institutions and women entrepreneurs' business performance with mediating influence of opportunity for entrepreneurial activity and the moderating influence of attitude towards micro-finance. However, the hypotheses were restated to reflect the component factors that resulted from the Exploratory Factor Analysis. For example, loan access represented credit, skill acquisition represented training, bonding represented social capital, opportunity for business improvement represented opportunity for entrepreneurial activity, ability to expand business and self-confidence in doing business represented attitude towards micro-finance, and women entrepreneurs' sales performance represented women entrepreneurs' business performance. A total of 280 women entrepreneurs participated in the survey through mail questionnaire; out of which 172 questionnaires were usable. However, after data cleaning, only data for 161 respondents were finally used for the data analysis. Descriptive statistics, multiple, linear and hierarchical regression analyses were used for data analysis and hypotheses testing. The study found that there were significant positive relationships between: loan access, skill acquisition and bonding; and women entrepreneurs' sales performance which met Research Objective 1; skill acquisition and women entrepreneurs' sales performance which met Research Objective 2; loan access and opportunity for business improvement of women entrepreneurs, skill acquisition and opportunity for business improvement of women entrepreneurs which met Research Objective 3; opportunity for business improvement and women entrepreneurs' sales performance which met Research Objective 4; opportunity for business improvement of women entrepreneurs partially mediated the relationship between loan access, skill acquisition and bonding; and women entrepreneurs' sales performance since only skill acquisition was significant which met Research Objective 5; ability to expand business partially moderated the relationship between loan access, skill acquisition, bonding and opportunity; and women entrepreneurs' sales performance which met Research Objective 6. The study concludes that micro-finance factors are positively related to women entrepreneurs' business performance as the models were, collectively, significant.

Keywords: Microfinance, women entrepreneurs' business performance.

ABSTRAK

Tujuan kajian ini adalah untuk mengkaji hubungan antara faktor-faktor yang berkaitan dengan kewangan mikro (kredit, simpanan, latihan dan modal sosial) yang ditawarkan oleh institusi mikro kewangan dan prestasi perniagaan usahawan wanita dengan pengaruh pengantara peluang untuk aktiviti keusahawanan dan pengaruh penyederhana iaitu sikap terhadap faktor-faktor mikro kewangan. Walau bagaimanapun, hipotesis telah dinyatakan semula untuk menggambarkan faktor komponen yang berlaku akibat daripada Analisis Faktor Tinjauan. Sebagai contoh, akses kepada pinjaman mewakili kredit, pemerolehan kemahiran mewakili latihan, ikatan mewakili modal social, peluang untuk peningkatan perniagaan mewakili peluang untuk aktiviti keusahawanan, keupayaan untuk mengembangkan perniagaan dan keyakinan diri dalam menjalankan perniagaan mewakili sikap terhadap faktor-faktor mikro kewangan, dan prestasi jualan usahawan wanita mewakili prestasi perniagaan usahawan wanita. Seramai 280 usahawan wanita mengambil bahagian dalam kaji selidik melalui soal selidik mel. Daripada jumlah ini, hanya 172 soal selidik yang boleh digunakan. Walau bagaimanapun, selepas pembersihan data, hanya 161 responden yang akhirnya digunakan untuk analisis data seterusnya. Statistik deskriptif, analisis regresi berganda, linear dan hierarki digunakan untuk analisis data dan pengujian hipotesis. Kajian mendapati bahawa terdapat hubungan positif yang signifikan antara: akses pinjaman, pemerolehan kemahiran dan ikatan; dan prestasi perniagaan memenuhi Objektif Penyelidikan 1; pemerolehan kemahiran dan prestasi perniagaan usahawan wanita memenuhi Objektif Penyelidikan 2; akses kepada pinjaman dan peluang untuk peningkatan perniagaan usahawan wanita, pemerolehan kemahiran dan peluang untuk peningkatan perniagaan usahawan wanita memenuhi Objektif Penyelidikan 3; peluang untuk peningkatan perniagaan dan prestasi jualan usahawan wanita memenuhi Objektif Penyelidikan 4; peluang untuk peningkatan perniagaan usahawan wanita bertindak sebagai pembolehubah pengantara sebahagian (partial mediator) dalam perhubungan di antara akses kepada pinjaman, pemerolehan kemahiran dan ikatan; dan prestasi jualan usahawan wanita dan memenuhi Objektif Penyelidikan 5; keupayaan untuk mengembangkan perniagaan bertindak sebagai pembolehubah penyederhana sebahagian dalam hubungan antara akses pinjaman, pemerolehan kemahiran, ikatan dan peluang; dan prestasi jualan usahawan wanita dan memenuhi Objektif Penyelidikan 6. Kajian telah menunjukkan bahawa faktor-faktor kewangan mikro adalah secara positif berkaitan dengan prestasi perniagaan usahawan wanita dimana model secara kolektif adalah signifikan.

Kata kunci: Mikro-kewangan, prestasi perniagaan usahawan wanita.

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LIST OF ABBREVIATIONS

MF = Micro-finance

MFIs = Micro-finance Institutions

EFA = Exploratory Factor Analysis

SEM = Structural Equation Modeling

SD = Standard Deviation

CHAPTER 1

INTRODUCTION

1.1 Background of the Study

Women play a crucial role in a country as economic supporters to their families. In Nigeria, women involvement in agriculture before the oil boom of the early 1970s contributed to their economic wellbeing and that of the country (Adepelumi, 2007 Edozien, 2008). However, the government's diversion of attention from agriculture, where women had dominated, and other economic sectors to the production of crude oil as a major export commodity in the early 1970s led to women unemployment. This is because the production of crude oil and its allied services led to the demand for professionals and skilled labor in the oil industry, and due to low educational levels of most women in the country, they could not secure jobs in such industries and so they became neglected (Adepelumi, 2007). Their contribution to the country's economy through agricultural micro-enterprises, before the advent of the crude oil, was noticeable. This is because agriculture was the major foreign exchange earner and employed over 60% of the labor force (May, 2007). Again, due to inefficiency of most Nigerian previous leaders; funds and programs targeted at women's development were diverted to other uses. This further hindered the development of women. Other obstacles that have worked against women include poverty and unemployment (Maduagwu, 2000; Mohd & Hassan, 2008).

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REFERENCES

- Abdullah, S. H., Osman, M. H., & Rahim, M. S. H. (2009). The key concept of academic technology entrepreneurship in the current practice. *Asia Pacific Journal of Innovation and Entrepreneurship, Korea Business Incubation Association*, 2 (1), 77-96.
- Adepelumi, P. A. (2007). Women entrepreneurship as a tool for economic development in Nigeria. Retrieved January 26, 2009, from African Center for Advocacy and Human Development: http://www.advocacygrp.wordpress.com
- Ajzen, I. (1991). The Theory of Planned Behavior. *The Organizational Behavior and Human Decision Processes*, 50, 179-211.
- Akanji, O. O. (2006). Microfinance as a strategy for poverty reduction. *Central Bank of Nigeria Economic and Financial Review*, 39 (4).
- Akinyi, J. (2009). *The role of microfinance in empowering women in Africa*. Retrieved January 10, 2010, from The African Executive Magazine: http://www.africanexecutive.com/modules/magazine/articles.php?article=4163
- Allen, D. W. (2000). Social networks and self-employment. *Journal of Socio-Economics* , 29 (1), 487-501.
- Allen, I. E., Elam, A., Langowitz, N. & Dean, M. (2008). 2007 Global Entrepreneurship Monitor report on women and entrepreneurship. Babson College: The Center for Women's Leadership.
- Antoncic, B. (2006). Impacts of diversification and corporate entrepreneurship strategy making on growth and profitability: A normative model. *Journal of Enterprising Culture*, 14 (1), 49-63.
- Aportela, F. (1999). *Effects of financial access on savings by low-income people*. Banco de Mexico: Research Department
- Armstrong, J. S. & Overton, T. S. (1997). Estimating non response bias in mail surveys. *Journal of marketing research*, 14 (3), 396-402.
- Asiama, J. P. & Osei, V. (2007). *Microfinance in Ghana: An overview*. Ghana: Research Department, Bank of Ghana.
- Asikhia, O. U. (2009). Attitudinal response of small and medium scale business owners to microfinance banking in Nigeria. *European Journal of Social Sciences*, 11 (4), 599-618.

- Baron, R. M. & Kenny, D. A. (1986). The moderator-mediator variable distinction in social psychology research: Conceptual, strategic, and statistical considerations. *Journal of Personality and Social Psychology*, 51 (6), 1173-1182.
- Bartlett, J. E., Kotrlik, J. W. & Higgins, C. C. (2001). Organizational research: Determining appropriate sample size in survey research. *Journal of Information Technology, Learning and Performance*, 19 (1), 43-50.
- Bielen, F. & Demoulin, N. (2007). Waiting time influence on the satisfaction-loyalty relationship in services. *Managing Service Quality*, 17 (2), 174-193.
- Brana, S. (2008). Microcredit in France: Does gender matter? 5th Annual Conference-Nice. European Microfinance Network.
- Brata, A. G. (2004). *Social capital and credit in a Javanese village*. University of Atma Jaya, Yogyakarta, Indonesia: Research Institute.
- Brau, J. C. & Woller, G. M. (2004). Microfinance institutions: A comprehensive review of the existing literature and an outline for future financial research. *Journal of Entrepreneurial Finance and Business Ventures*, 9 (1), 1-26.
- Briggs, S. R. & Cheek, J. M. (1986). The role of factor analysis in the development and evaluation of personality scales. *Journal of Personality*, 25 (5), 323-329.
- Bryman, A. & Cramer, D. (1997). *Quantitative data analysis with SPSS for windows: A guide for Social Scientists*. London: Routledge Publishers.
- Carter, S. & Shaw, E. (2006). Women's business ownership: Recent research and policy developments. UK: Small Business Service.
- Cavana, R. Y., Delahaye, B. L. & Sekaran, U. (2001). *Applied business research: Qualitative and quantitative methods*. Singapore: Markono Print Media Limited.
- Central Bank of Nigeria. (2003). An appraisal of Federal Government's National Poverty Eradication Program. *Bullion*, 27 (1), 8-9.
- Central Bank of Nigeria. (2005). *Microfinance Policy, Regulatory and Supervisory Framework for Nigeria*. Abuja, Nigeria.
- Central Bank of Nigeria (CBN). (2009). *List of microfinance institutions*. Retrieved January 26, 2009, from Central Bank of Nigeria: http://www.centralbankofnigeria.org
- Central Intelligence Agency (CIA)-The World Factbook-Nigeria. (2009). *Nigeria's Gross Domestic Product*. Retrieved January 26, 2009, from http://www.cia.gov/library/publication/the-world-factbook/geos/ni.html#Econ

- Chakraborty, I. (2008). Does financial development cause economic growth? The case of India. *South Asia Economic Journal*, 9 (1), 109-139.
- Cheston, S. & Kuhn, L. (2002). Empowering women through microfinance. A case study of Sinapi Aba Trust, Ghana. USA: Opportunity International.
- Coakes, S. J. & Steed, L. G. (2003). SPSS: Analysis without anguish, version 11.0 for windows. Singapore: Kyodo.
- Cohen, J. & Cohen, P. (1983). Applied multiple regression/correlation analysis for the behavioral science. Hillsdale, New Jersey: Lawrence Erlbaum Associates.
- Cohen, J. W. (1988). *Statistical power analysis for the behavioral sciences* (2nd ed.). Hillsdale, NJ: Erlbaum Associates.
- Coleman, A. & Kofi, O. (2008). Outreach of profitability of microfinance institutions: The role of government. *Journal of Economic Studies*, 53 (3), 236-248.
- Companies and Allied Matters Act (CAMA). (1990). *Registration of Business Names*. Nigeria: Federal Government.
- Crisp, R. J. & Turner, R. N. (2007). *Essential Social Psychology*. London: SAGE Publication.
- Cunha, M. P. (2007). Entrepreneurship as decision-making: Rational, intuitive and improvisational approaches. *Journal of Enterprising Culture*, 15 (1), 1-20.
- Davidsson, P. & Wiklund, J. (2009). "Scott A. Shane: Winner of the global award for entrepreneurship research". *Small Business Economics*, 33, 131-140.
- Deutsche Bank Research (DBR). (2007). *Microfinance: An emerging investment opportunity, uniting social investment and financial returns*. Retrieved February 18, 2009, from http://www.dbresearch.com/PROD000000000219174.pdf-Germany
- Development Exchange Center (DEC). (2008). History of Development Exchange Center. *Brochure*. Bauchi, Nigeria.
- Dixon, R., Ritchie, J. & Siwale, J. (2005). *Microfinance: Accountability from the grassroot*. Retrieved February 18, 2009, from http://www.emeraldinsight.com
- Doocy, S., Norell, D., Teffera, S., & Burnham, G. (2005). Outcomes of Ethiopian microfinance program and management actions to improve services. *The Journal of Microfinance*, 7 (1), 79-95.
- Edozien, N. (2008). *Nigeria: N.G.Os harps on poverty reduction through microcredits*. Retrieved January 22, 2009, from Vanguard: http://www.vanguard.allAfrica.com

- Eversole, R. (2009). Solving poverty for yourself: Microenterprise development, microfinance and migration. Australia: Foundation for Development Cooperation.
- Fernando, J. L. (2006). Microfinance: Perils and prospects. London: Routledge.
- Gatewood, E. J., Brush, C. G., Carter, N. M., Greene, P. G. & Hart, M. M. (2004). Women entrepreneurs, growth and implications for the classroom. USA: Coleman Foundation whitepaper series for the USA Association for Small Business and Entrepreneurship.
- Gay, L. R. & Diehl, P. L. (1996). Research methods for business and management (International Ed.). Singapore: Prentice Hall International Inc.
- Gine, X. & Karlan, D. S. (2009). *Group versus individual liability: Longterm evidence from Philippine microcredit lending groups.* New Haven: Center Discussion Paper (970), Economic Growth Center, Yale University.
- Global Envision. (2006). *The history of microfinance*. Retrieved February 20, 2010, from Mercy Corps: http://www.globalenvision.org/library/4/1051/
- Grahame, B. & Noor, S. M. (2005). Measuring the effectiveness of Credit Guarantee Scheme. *International Small Business Journal*, 23 (4-6), 427-454.
- Hair, J. F., Anderson, R. E., Tatham, R. L. & Black, W. C. (1998). *Multivariate data analysis* (5th ed.). Upper Saddle River, New Jersey: Prentice Hall.
- Hair, J. F., Black, W. C., Babin, B. J. & Anderson, R. E. (2010). *Multivariate data analysis, a global perspective (7th ed.)*. New Jersey, USA: Pearson Education Inc.
- Hair, J. F., Money, A. H., Samouel, P. & Page, M. (2007). Research methods for business. England: John Wiley & Sons Limited.
- Harrison, R. T. & Mason, C. M. (2007). Does gender matter? Women business angels and the supply of entrepreneurial finance. *Entrepreneurship Theory and Practice*, 31 (3), 445-472.
- Hatcher, C., Terjesen, S. & Planck, M. (2007). Towards a new theory of entrepreneurship in culture and gender: A grounded study of Thailand's most successful female entrepreneurs. Australia: AGSE.
- Hedges, P., Wu, Z., & Chua, J. (2007). Deterioration in borrowing terms of small business: An agency perspective. *Journal of Small Business and Entrepreneurship*, 20 (1), 1-14.
- Hisrich, R. D., Peters, M. P. & Shepherd, D. A. (2008). *Entrepreneurship* (7th ed.). New York: McGraw-Hill Co. Inc.

- Hubka, A. & Zaidi, R. (2005). *Impact of government regulation on microfinance*. World Bank Report 2005: Improving the investment climate for growth and poverty reduction.
- Ibru, C. (2009). Growing microfinance through new technologies. Federal University of Technology, Akure, Nigeria.
- Idris, A. M. M. & Mahmood, R. (2003). *Bank managers' perceptions of the characteristics of successful entrepreneurs*. Retrieved August 25, 2009, from Malaysian Management Review, 38 (1): http://www.mgv.mim.edu.my/MMR/0306/frame.htm
- Iganiga, B. O. (2008). Much ado about nothing: The case of the Nigerian microfinance policy measures, institutions and operations. *Journal of Social Sciences*, 17 (2), 89-101.
- Iheduru, N. G. (2002). Women entrepreneurship and development: The gendering of microfinance in Nigeria. 8th International Interdisplinary Congress on Women. Makerere University, Kampala, Uganda.
- Ikhide, S. I. & Alawode, A. A. (2001). Financial sector reforms, macroeconomic instability and the order of economic liberalization: The evidence from Nigeria. Nairobi, Kenya: African Economic Research Consortium.
- International Finance Corporation (IFC). (2007). Gender entrepreneurship markets, GEM country brief. Afghanistan: GEM.
- International Fund for Africa Development (IFAD). (2006). Assessing and managing social performance in microfinance. Retrieved February 2, 2009, from http://www.ifad.org/ruralfinance/pub/performance.pdf
- International Labor Organization (ILO). (2009). *Gender employment*. Retrieved July 8, 2009, from http://www.ilo.org
- International Labor Organization (ILO). (2001). Social finance program and infocus program on boosting employment through small enterprises development; Working paper No. 33: South African microinsurance case study. Retrieved May 5, 2010, from http://www.ilo-org/wcmsp5/groups/public/---ed.../wcms_117977.pdf
- Israel, G. D. (1992). *Determining sample size*. Retrieved May 5th, 2010, from http://edis.ifas.ufl.edu/pdffiles/PD/PD00600.pdf
- Jones, G. G. & Wadhwani, R. D. (2006). SchumPeter's plea: Rediscovering history and relevance in the study of entrepreneurship. USA: Harvard Business School.
- Karnani, A. (2007). *Microfinance misses its mark*. Retrieved February 18, 2009, from Standford Social Innovation Review:http://www.ssireview.org/articles.

- Khandker, S. (2001). Does micro-finance really benefit the poor? Evidence from Bangladesh. *Asia and Pacific Forum on Poverty*. Manila: Asian Development Bank
- Kickul, J. R., Page, T. C., Gundry, L. K., & Sampson, S. D. (2007). Women entrepreneurs preparing for growth: The influence of social capital and training on resource acquisition. *Journal of Small Business and Entrepreneurship*, 20 (1), 169-181.
- Koontz, H. & Weihrich, H. (2006). *Essentials of Management* (6th ed.). Tata Mcgraw-Hill Publication Co.
- Kruger, M. E. (2004). *Creativity in the entrepreneurial domain*. University of Pretoria: Faculty of Economics and Management Sciences.
- Kuzilwa, J. (2005). The role of credit for small business success: A study of the National Entrepreneurship Development Fund in Tanzania. *The Journal of Entrepreneurship*, 14 (2), 131-161.
- Lakwo, A. (2007). *Microfinance, rural livelihood, and women's empowerment in Uganda*. Retrieved August 3, 2009, from African Studies Center Research Report 85/2006: http://www.ascleiden.nl/pdf/rr85lakwo.pdf
- Lawal, J. O., Omonona, B. T., Ajani, O. I. Y., & Oni, O. A. (2009). Effects of social capital on credit access among cocoa farming households in Osun State, Nigeria. *Agricultural Journal*, *4* (4), 184-191.
- Lewis-Beck, M. S. (1993). *Regression analysis*. London, United Kingdom: SAGE Publications Ltd.
- Maduagwu, A. (2000). *Alleviating poverty in Nigeria, the Economics of rural poverty in Nigeria*. Retrieved January 23, 2009, from http://www.afbis.com/analysis/alleviating_poverty.htm
- Martin, T. G. (1999). Socio-economic impact of microenterprise credit in the informal sector of Managua, Nicaragua. Retrieved January 21, 2009, from http://scholar.lib.vt.edu/thesis/
- Marz, E. (1991). *Joseph SchumPeter: Scholar, teacher and politician*. Connecticut, USA: Yale University Press.
- May, N. (2007). Gender responsive entrepreneurial economy of Nigeria: Enabling women in a disabling environment. *Journal of International Women's Studies*, 9 (1), 167-175.
- Mayer, H., Hackler, D. & McFarland, C. (2007). Skills, capital and connections, too: A regional social environment perspective of women entrepreneurs. *Canadian Journal of Regional Science*, 30 (3), 411-432.

- Mayoux, L. (1999). From access to empowerment: Gender issues in microfinance. Women's Caucus Position Paper for CSD-8; 2000. CGAP.
- Mitchell, B. C. (2004). Motives of entrepreneurs: A case study of South Africa. *Journal of Entrepreneurship*, 13 (1), 168-183.
- Mkpado, M. & Arene, C. J. (2007). Effects of democratization of group administration on the sustainability of agricultural microcredit groups in Nigeria. *International Journal of Rural Studies*, 14 (2), 1-9.
- Mohamed, A. H., Mat, N. & Hamed, A. B. (1997). Women towards the era of entrepreneurship: Understanding women entrepreneurs network activity. *Jurnal Pengurusan UKM*, 18, 109-129.
- Mohd, D. A. & Hassan, Z. (2008). Microfinance in Nigeria and the prospect of introducing its Islamic version there in the light of selected Muslim countries' experience. Retrieved January 26, 2009, from http://www.mpra.ub.uni-muenchen.de/8287/
- Morduch, J. (1999). The microfinance promise. *Journal of Economic Literature*, 37, 1569-1614.
- National Bureau of Statistics (NBS). (2007). Annual abstracts of statistics: Nigeria's unemployment level. Abuja, Nigeria.
- National Directorate of Employment. (2005). Annual Report. Abuja, Nigeria.
- Nigeria World-Facts and Focus (NWFF). (2008). *Politics of Nigeria*. Retrieved January 22, 2009, from http://www.nigeriaworld.com/focus/.
- North, D. C. (1990). *Institutions, institutional change and economic performance*. Cambridge, UK: Cambridge University Press.
- Nunnally, J. C. & Bernstein, I. H. (1994). *Psychometric theory* (3rd ed.) New York: McGraw-Hill Inc.
- Ojo, O. (2009). Impact of microfinance on entrepreneurial development: The case of Nigeria. Faculty of Administration and Business, University of Bucharest, Romania.
- Okojie, C., Monye-Emina, A., Eghafona, G., & Ehiakhamen, J. O. (2010). *Nigeria strategy support program*. Abuja, Nigeria: International Food Policy Research Institute.
- Okpukpara, B. (2009). Microfinance paper wrap-up: Strategies for effective loan delivery to small scale enterprises in rural Nigeria. *Journal of Development and Agricultural Economics*, 1 (2), 41-48.

- Olomola, A. S. (2002). Social capital, microfinance group performance and poverty implications in Nigeria. Ibadan, Nigeria: Nigerian Institute of Social and Economic Research.
- Osman, I., Ho, T. & Galang, M. C. (2011). Are human resources departments really important? An empirical study on Malaysian small and medium enterprises (SMEs) in the service sector. *International Journal of Business and Management*, 6 (2), 147-153.
- Otero, M. (1999). *Bringing development back into microfinance*. Latin America: ACCION International.
- Pallant, J. (2007). SPSS survival manual: A step by step guide to data analysis using SPSS for windows (3rd ed.). New York, USA: McGraw-Hill Open University Press.
- Pandya, A. M. & Rao, N. V. (1998). Diversification and firm performance: An empirical evaluation. *Journal of Financial and Strategic Decisions*, 11 (2), 67-81.
- Peou, C. (2009). Relationships between entrepreneur's value, firm financing, firm management, market practices and growth performance of SMEs in Cambodia. Malaysia: Centre for Graduate studies, Universiti Utara Malaysia.
- Peter, B. K. (2001). Impact of credit on women-operated microenterprises in UASIN GISHU district, Eldoret, Kenya. *In P. O. Alila & P. O. Pedersen (eds), 2001, Negotiating social space: East African microenterprises*. Retrieved September 18, 2009, from http://books.google.com.my/book?
- 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 Entrepreneurship*, 18 (1), 39-52.
- Reavley, M. A. & Lituchy, T. R. (2008). Successful women entrepreneurs: A six-country analysis of self-reported determinants of success-more than just dollars and cents. *International Journal of Entrepreneurship and Small Business*, 5 (3-4), 272-296.
- Rhyne, E. & Otero, M. (1994). Financial services for microenterprise: Principles and institutions. *In M. Otero & E. Rhyne (eds), 1994 The new world of microenterprise finance.* Connecticut, USA: Kumarian Press.
- Riding, A. (2006). *Small Business financing profiles*. Canada: SME Financing Data Initiative.
- Robinson, P. & Malach, S. (2004). Multi-disciplinary entrepreneurship clinic: Experiential education in theory and practice. *Journal of Small Business and Entrepreneurship*, 17 (1), 317-331.

- Roomi, M. A. & Parrot, G. (2008). Barriers to development and progression of women entrepreneurs in Pakistan. *The Journal of Entrepreneurship*, 17 (1), 59-72.
- Roslan, A. H. & Mohd, Z. A. K. (2009). Determinants of microcredit repayment in Malaysia: The case of Agrobank. *Humanity and Social Sciences Journal*, 4 (1), 45-52.
- Ruhaida, S. B. (2006). The outreach of microfinance institutions' services to the poor households in Malaysia. Malaysia: Center for Graduate Studies, Universiti Utara Malaysia.
- Rushad, F. (2004). *Essays on microcredit programs and evaluation of women's success*. Retrieved January 21, 2009, from http://www.scholar.lib.vt.edu/theses//
- Salavou, H. (2002). Profitability in market-oriented SMEs: Does product innovation matter? *European Journal of Innovation Management*, 5 (3), 164-171.
- Salman, A. (2009). *How to start a business: A guide for women*. Pakistan: Center for International Private Enterprise, Institute of National Endowment for Democracy, affiliate of the USA Chamber of Commerce.
- Schreiner, M. (2001). *Microfinance in rural Agentina*. Washington University, USA: Center for Social Development.
- Sekaran, U. (2000). Research methods for business: A skill building approach (3rd ed.). USA: John Wiley & Sons Inc.
- Sekaran, U. (2003). Research methods for business: A skill building approach (4th ed). USA: John Wiley & Sons Inc.
- Shane, S. (2003). A general theory of entrepreneurship: The individual-opportunity nexus. UK: Edward Elgar.
- Sharma, N. (2003). The role of pure and quasi moderators in services: An empirical investigation of ongoing customer service-provider relationships. *Journal of Retailing and Consumer Services*, 10, 253-262.
- Shastri, R. K. & Sinha, A. (2010). The socio-cultural and economic effect on the development of women entrepreneurs (with special reference to India). *Asian Journal of Business Management*, 2 (2), 30-34.
- Singh, G. & Belwal, R. (2007). Entrepreneurship and SMEs in Ethiopia: Evaluating the role, prospects and problems faced by women in this emergent sector. Retrieved February 18, 2009, from http://www.emeraldinsight.com
- Smith, S. C. & Jain, S. (1999). *Village banking and maternal and child health: Evidence from Ecuador and Honduras*. George Washington University, USA: Institute for International Economic Policy.

- Sriprasert, P. (2007). An entrepreneurial commitment among the members of the community-based enterprises. A case study of OTOP scheme in Southern Thailand. Malaysia: Center for Graduate Studies, Universiti Utara Malaysia.
- Stanton, W. J. (1986). Fundamentals of marketing. New York: McGraw-Hill.
- Stephen, C. & Wilton, W. (2006). Don't blame the entrepreneur, blame the government: The centrality of the government in enterprise development. *Journal of Enterprising Culture*, 14 (1), 65-84.
- Stohmeyer, R. (2007). Gender gap and segregation in self-employment: On the role of field of study and apprenticeship training. Germany: German Council for Social and Economic Data (RatSWD).
- Swedberg, R. (1991). *Joseph SchumPeter: His life and work*. Cambridge, UK: Polity Press.
- Tata, J. & Prasad, S. (2008). Social capital, collaborative exchange and microenterprise performance: The role of gender. *International Journal of Entrepreneurship and Small Business*, 5 (3/4), 373-385.
- Tazul, I. (2007). *Microcredit and poverty alleviation*. Hampshire, England: Ashgate Publishing Limited.
- UNCDF/UNDP. (2003). *Microfinance Program: Impact assessment (2003) based on case studies in Haiti, Kenya, Malawi and Nigeria*. United Nations Capital Development Fund in conjunction with United Nations Development Program.
- United Nations Development Fund for Women (UNIFEM). (2008). *Women, Poverty and Economics-Gender issues*. Retrieved January 12, 2010, from United Nations International Fund for Women: http://www.unifem.org/gender_issues/women_poverty_economics/
- United States Agency for International Development (USAID). (2007). *Microinsurance NOTE 3 Partnerships: Microfinance institutions and commercial insurers*. Retrieved May 5, 2010, from http://www.microlinks.org/ev_en.php?ID=18299_201&ID2=DO_TOPIC
- VanHorne, J. C. (1980). Fundamentals of financial management (4th ed.). Englewood Cliffs, N.J: Prentice-Hall Inc.
- Verhoef, G. (2002). Money, credit and trust: Voluntary savings organizations in South Africa in historical perspective. *International Economic History Association Congress*. Buenos Aires, South Africa.
- Versluysen, E. (1999). Defying the odds-Banking for the poor. USA: Kumerian Press.

- Vob, R. & Muller, C. (2009). How are the conditions for high-tech start-ups in Germany. *International Journal of Entrepreneurship and Small Business*, 7 (3), 285-311.
- Vonderlack, R. M. & Schreiner, M. (2001). Women, microfinance and savings: Lessons and proposals. Washington University, St. Louis, USA: Center for Social Development.
- William, S. & Thawatchai, J. (2008). Impact of the lack of institutional development on the venture capital industry in Thailand. *Journal of Enterprising Culture*, 16 (2), 189-204.
- Wycklam, G. R. & Wedley, W. (2003). The need of small business owners: Perceptions of entrepreneurs and service providers. *Journal of Small Business and Entrepreneurship*, 16 (1), 21-39.
- Yean, T. F. (2010). Career planning, individual's personality traits, HRM practices as determinants to individual career success: The role of career strategies as mediator. Malaysia: Center for Graduate Studies, College of Business, Universiti Utara Malaysia.
- Ying, L. Y. (2008). How industry experience could help in the teaching of entrepreneurship in Universities in Malaysia. *Sunway Academic Journal*, 5, 48-64.