

**THE IMPACT OF MICROFINANCE INSTITUTIONS ON WOMEN
EMPOWERMENT IN RAJSHAHI, BANGLADESH**



MST. TASQURUN NESSA

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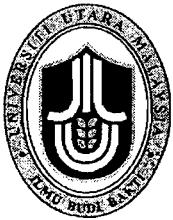
**THE IMPACT OF MICROFINANCE INSTITUTIONS ON WOMEN
EMPOWERMENT IN RAJSHAHI, BANGLADESH**

**A Thesis submitted to the College of Arts and Sciences in full fulfillment of
the requirements for the degree of Doctor of Philosophy
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By

**MST. TASQURUN NESSA
(91871)**

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Pemeriksa Dalam:
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Prof. Dr. K. Kuperan a/l K.V.S.N Viswanathan

Tandatangan
(Signature)

Nama Penyelia/Penyelia-penyalia:
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ABSTRACT

The empowerment of women is one of the central issues in the process of development of all developing countries in the world. This study investigated the empowerment of poor women who participated in group-based credit program in Bangladesh. Studies have shown how women participation in group-based credit program can improve individual and household income. However, limited evidence exists on which type of empowerment is more significant for poor women. It is not known whether economic decision making, household decision making, freedom of movement, ownership of property or political and social awareness is more significant for women. This study is based on household level data collected from 600 poor women in eight districts of Rajshahi division in Bangladesh. This study collected micro-credit borrower data from Grameen Bank, Bangladesh Rural Advancement Committee (BRAC) and Association for Social Advancement (ASA). Five dimensions of women empowerment are used to arrive at the overall empowerment. To measure empowerment, this study used mean value of the five dimensions of empowerment. The findings show that age, family size, area, involvement with Micro Finance Institution (MFI) and loan size are positively correlated and significant with women empowerment. Another important factor such as education is negatively correlated with women empowerment for all women (MFI member and non MFI member). Based on the results of the study it can be concluded that the level of women empowerment of poor women in Bangladesh can be significantly improved by involvement with MFI. It is noted that MFI members have more empowerment than non MFI members, but the level of women empowerment of MFI member is not satisfactory. Higher income increases women's ability to contribute more to the daily household expenditure, and eventually improve their empowerment. It is recommended that the government and other development organizations should work together in addressing this empowerment issue with better implementation of strategies such as more loans, and proper guide to borrowers. All these strategies can influence the level of empowerment of women in a developing country such as in Rajshahi division, Bangladesh.

ABSTRAK

Pemilikan kuasa dalam membuat keputusan oleh wanita merupakan salah satu isu penting dalam proses pembangunan di semua negara sedang membangun di dunia. Kajian ini meneliti pemilikan kuasa wanita miskin yang menyertai program mikro-kredit berkumpulan di Bangladesh. Kajian telah menunjukkan bagaimana wanita yang menyertai dalam program mikro-kredit berkumpulan boleh meningkatkan pendapatan individu dan isi rumah. Walau bagaimanapun terdapat bukti-bukti yang terhad pada jenis pemilikan kuasa yang lebih signifikan untuk wanita miskin. Masih tidak dapat dipastikan adakah membuat keputusan ekonomi, keputusan rumah tangga, kebebasan bergerak, pemilikan harta benda, atau kesedaran politik dan sosial yang lebih signifikan bagi wanita yang terlibat dengan pelbagai program mikro-kredit tersebut. Kajian ini berdasarkan kepada analisis data kajian isi rumah yang dikumpulkan dari 600 wanita miskin di lapan daerah di Divisyen Rajshahi, Bangladesh. Penyelidikan ini mengumpulkan data peminjam dari Grameen Bank (GB), Jawatankuasa Kemajuan Luar Bandar Bangladesh (BRAC) dan Persatuan Kemajuan Sosial (ASA). Lima dimensi pemilikan kuasa wanita telah digunakan untuk mengukur pemilikan kuasa dalam membuat keputusan. Untuk mengukur pemilikan kuasa, kajian ini menggunakan nilai purata dimensi pemilikan kuasa. Penemuan kajian menunjukkan faktor umur, saiz keluarga, kawasan, penglibatan dengan Institusi Kredit Mikro (IKM) dan saiz kredit berkorelasi positif dan signifikan dengan pemilikan kuasa wanita. Faktor lain seperti pendidikan berkorelasi negatif dengan pemilikan kuasa untuk semua wanita, sama ada ahli IKM atau bukan ahli IKM. Berdasarkan hasil kajian dapat disimpulkan bahawa tahap pemilikan kuasa wanita miskin di Bangladesh boleh dipertingkatkan dengan penglibatan dalam IKM. Hasil kajian juga mendapati bahawa ahli IKM mempunyai lebih pemilikan kuasa berbanding dengan wanita bukan ahli IKM, tetapi tahap pemilikan kuasa wanita yang menjadi ahli IKM masih tidak memuaskan. Faktor penongkatan pendapatan juga didapati boleh meningkatkan kemampuan wanita untuk menyumbang lebih dalam perbelanjaan harian rumah tangga, yang akhirnya meningkatkan pemilikan kuasa mereka. Kerajaan dan organisasi pembangunan yang lain disyorkan bekerjasama dalam menangani isu pemilikan kuasa ini, dengan pelaksanaan strategi yang lebih baik seperti pertambahan amaun pinjaman dan panduan yang jelas kepada peminjam dalam menguruskan pinjaman yang diperolehi. Semua strategi ini boleh meningkatkan tahap pemilikan kuasa wanita di negara membangun, seperti mana kepada wanita di kawasan Rajshahi, Bangladesh.

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GLOSSARY

1. Women Empowerment: Women empowerment is an active multi-dimensional process that enables women to realize their full identity and power in all spheres of life by which women take control and ownership of their lives.
2. Micro-credit: Micro-credit extend small loans extended to very poor people for self-employment projects that generate income, allowing them to care for themselves and their families.
3. Collateral free loan: Loan for poor people which they can get without a need for collateral. MFIs provide collateral free loans and know-how assistance to support women into work.
4. Conceptual framework for assessing women empowerment:
Conceptual framework for assessing women empowerment consists of five matrixes which are input, classification of women, pathways, indicator and status ranking matrix.
5. Input matrix: This matrix can be used to classify inputs of different development programs by type of input, by number of inputs received by a typical participant under the basic package of that development programs.
6. Classification of women: This matrix can be used to classify participants in

development programs.

7. Pathways: In this matrix, there are four pathways of change in women's life material, cognitive, perceptual, and relational.
8. Indicator: This matrix presents various dimensions of change in women's life.
9. Status ranking: This matrix presents a framework for considering what status (i.e., level of prestige or esteem) might be ascribed to a particular type of change in women's life.
10. MFI: Micro-finance institution is one kind of institution which provides micro-credit to the poor people.
11. GB: Grameen Bank.
12. BRAC: Bangladesh Rural Advancement Committee.
13. ASA: Association for Social Advancement.
14. RDP=Rural Development Program

CHAPTER 1

INTRODUCTION

1.1 Concept of Women empowerment

The empowerment of women is one of the vital issues of development. It is expected that women's empowerment through access to savings and credits, employment, income opportunities, consumption, mobility, education, health, control over asset, personal security and participation in the political process will improve the well being of women (Mayoux, 2005).

Women empowerment is an active multi-dimensional process that enables women to realize their full identity and power in all spheres of life. Broadly, it is defined as control over material assets, economic resources and ideology (Batliwala, 1995). Empowerment is defined as the processes by which women take control and ownership of their lives through expansion of their choices (Kabeer, 2005). Women's empowerment includes some reference to an expansion of choice and freedom to make decisions and take the actions necessary to shape life-outcomes (Malhotra & Schuler, 2002).

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REFERENCES

- Absar, S. S. (2004). The Grameen micro-credit system prospects of mobile cellular phones in Fiji, Papua New Guinea, Samoa and Tonga.
- Ahmed, K. F. (2003). Micro-credit as a tool for women empowerment: The case of Bangladesh.
- Ahmed, A. U. (2004). Impact of feeding children in school: Evidence from Bangladesh.
- Ahasan, R., Laukkala, H., & Sadeque, S. (1998). Psychosocial and socio-economic issues relating to female workers in Bangladesh.
- Alsop, R., & Heinsohn N. (2005). Measuring empowerment practice: Structuring analysis and framing indicators.
- Ardt, K., Hastings,C., Hopkins, K., Knebel, R., Jun Loh, J., & Woods R. (2005). Report on primary education in Bangladesh: Challenges and successes.
- ASA annual report. (2006).
- ASA annual report. (2007).
- Balkenhol, B. (2007). Microfinance and public policy: Outreach, performance and efficiency.
- Bangladesh Bureau of Statistics (BBS). (2005).
- Bangladesh Bureau of Statistics (BBS). (2006).
- Bangladesh Bureau of Statistics (BBS). (2008).
- Bangladesh Bureau of Statistics (BBS). (2009).
- Bangladesh Bureau of Statistics. Ministry of education, (2004).
- Bangladesh Demographic and Health Survey. (2004).
- Batliwala, S. (1995). Defining women's empowerment: A conceptual framework.
- Banu, D., Farashuddin, F., Hossain A., & Akter, S. (2000). Empowering women in rural Bangladesh: Impact of BRAC's program.
- Bayes, A. (1998). Micro-credit and women's empowerment.

- Basu, J. P. (2006). Microfinance and women empowerment: An empirical study with special reference to West Bengal.
- Blumberg, R. L. (2005). Women's economic empowerment as the magic potion of development.
- BRAC annual report. (2006).
- BRAC annual report. (2007).
- BRAC annual report. (2009).
- CDF (Credit & Development Forum) report. (2000).
- Chen, M., & Mahmud, S. (1995). Assessing change in women's lives: A conceptual framework, working paper number: 2, BRAC-ICDDR, B Joint research project Dhaka, Bangladesh.
- Chowdhury, M. J. A. (2008). Poverty and microfinance: An investigation into the role of microcredit in reducing the poverty level of borrowing households in Bangladesh and the Philippines.
- Chowdhury, M. J. A., Ghosh D. & Wright, R. E. (2005). The impact of micro-credit on poverty: evidence from Bangladesh.
- Elsevier Science Ltd. (2002). International support for NGOs in Bangladesh: Some unintended consequences.
- Farooq, O. M. (2009). The challenge of poverty and mapping out solutions: Requisite paradigm shift from a problem-solving and islamic perspective.
- Gaiha, R., & Nandhi, M. A. (2007). Microfinance, self-groups and empowerment in Maharashtra.
- Grameen Communication report. (2008). Credit delivery system.
- Grameen Bank historical data series- 1976-2007.
- Grameen Bank annual report. (2005).
- Grameen Bank annual report. (2006).
- Grameen Bank annual report. (2007).

- Grameen Bank's past eleven years report. (2007).
- Grameen Trust. (2007)
- George, A., & Mallery, P. (2008). SPSS for windows step by step. A simple guide and reference 15.0 update (8th edition). Canadian University College, United States of America.
- Gupta, G. R., & Malhotra, A. (2006). Empowering women through investment in reproductive health and rights.
- Hair, J. F., Anderson, R. E., Tatham, R. L., & Black, W. C. (1995). Multivariate Data Analysis with Reading (4th edition). Englewood cliffs; prentice Hall.
- Handy, F. & Kassam, M. (2004). Women's empowerment in rural India, paper presented as the ISTR conference, Toronto, Canada.
- Haque, K. M., & Rashid, L. (2002). Paper for the SAARC finance seminar on microfinance.
- Harrold, D., K. (2007). Legal empowerment strategies in Bangladesh empowering women and poor people through legal means.
- Hashemi, S. M., Schuler, S. R., & Riley, A. (1996). Rural credit programs and women's empowerment in Bangladesh, *World Development*, Vol. 24, No. 4, pp. 635-653.
- Hoque, M., & Itohara, Y. (2009). Women empowerment through participation in micro-credit program: A Case study from Bangladesh. *Journal of Social Science* 5(3): 244-250
- Hossain, M. & Diaz, C. P. (1999). Reaching the poor with effective microcredit: Evaluation of a Grameen Bank replication in the Philippines.
- Hossain, I., Aktar, T., Rahman, M. M. & Uddin, M. T. (2006). Rethinking the Approaches to Women Empowerment: Bangladesh Perspective.
- Hossain, F., & Knight, T. (2008). Financing the poor: Can micro-credit make a difference? Empirical observations from Bangladesh.
- Hrisanta, D. M., & Livia T. D. (2007). Discrimination by the gender in Romania.
- Kabeer, N. (2005). Is microfinance a 'magic bullet' for women empowerment? Analysis of findings from South Asia.

- Kabir, M. A., Khan, M. M. H., Kabir, M., Rahman, M. M., Patwary, K.M. (2000). Impact of women's status on fertility and contraceptive use in Bangladesh: Evidence from Bangladesh
- Kamal, M. M. (2007). Measuring transformation: Assessing and improving the impact of microcredit PART III.
- Khandaker, S., Koolwal G., & Sinha N. (2008). Benefit of improving young women's labour market, opportunities: Evidence from group-based credit programs in rural Bangladesh.
- Khandker, & Shahidur R. (1998). Fighting poverty with microcredit: Experience in Bangladesh.
- Kishor, S. (2000). Empowerment of women in Egypt and link to the survival and health of the infants.
- Malhotra, A., Schuler, S. R., & Boender, C.(2002). Measuring women's empowerment as a variable in international development, background paper prepared for the World Bank workshop on poverty and gender: New perspectives.
- Manuh, T. (2008). Women's empowerment and development policy.
- Mayoux, L. (1997). The magic ingredient? Microfinance and women empowerment.
- Mayoux, L. (2001). Micro-finance and empowerment of women- A review of the key issues.
- Mayoux, L. (2005). Women empowerment through sustainable micro-finance: Rethinking best practice.
- Micro Capital Team. (2007). Pioneers in microfinance: Shafiqul Haque Choudhury Founder and president of ASA of Bangladesh.
- Morgan, G. A., & Griego, O. V. (1998). Easy Use and Interpretation of SPSS for Windows. Answering research questions with statistics. (School of education), Colorado state university, United States of America.
- Mostofa, G., Tareque, I., Haque, M., & Islam, T. M. (2008). Mathematical modeling of women empowerment in Bangladesh, *Medwell Journal*, 416-420.
- Murshed, M. R. A. (1998). Gender intervention as applied in BRAC's organization and programmes.
- Navajas, S., Schreiner, M., Meyer, R. L., Gonzalez-Vega, C., & Meza, J. R. (2000). Microcredit and the poorest of the poor: Theory and evidence from Bolivia.

- Nawaz, F. (2009). Critical factor of women entrepreneurship development in rural Bangladesh.
- Newaz, W. (2007). Impact of NGO credit programs on the empowerment of rural women in Bangladesh: A case of UTTARAN.
- NGO Affairs Bureau. (2008).
- National Academy of Sciences. (2008). 2004 Gates award for global health lecture.
- Nielsen, H. (1996). Socio-economic impact of smallholder livestock development project, Bangladesh.
- Parveen, S. (2007). Gender awareness of rural women in Bangladesh.
- Parveen, S., & Leonhauser, I. (2004). Empowerment of rural women in Bangladesh: A household level analysis.
- Pitt, M. M., Khandker, S. R., & Cartwright, J. (2006). Empowering women with micro-finance: Evidence from Bangladesh, economic development and cultural change, pp. 791-831.
- Qayum, S., & Ray, R. (2003). ‘Grappling with modernity: India’s respectable classes and the culture of domestic servitude.’ *Ethnography* 4: 520-555.
- Rabbi, A. F. M. F. (2009). “Primary education in Bangladesh: Viability of achieving millennium development goals.
- Rahman, M. (2005). Micro-credit in poverty eradication and achievements of MDGs: Bangladesh experience.
- Rahman, A., & Hossain, M. (1986). Impact of Grameen Bank operations on the level, composition and distribution of income and expenditure of the poor.
- Rahman, M. H., & Naoroze, K. (2007). Women empowerment through participation in aquaculture: Experience of a large-scale technology demonstration project in Bangladesh, *Journal of Social Science*, 164-171.
- Rahman, A. (2008). Micro-finance experience in Bangladesh: How to replicate it?
- Rehana, A. (1998). Gender intervention as applied in BRAC's organisation and programmes.
- Roa, A., & Keller, D. (2003). “Institutions, organization and gender equality in the era of globalization” in gender and development.

- Roslan, A.H., Saifoul, M., Majid, R. & Abidin, F. Z. (2006). Microfinance and poverty: The Malaysian experience.
- Roslan, A.H., Majid, R., Abidin, F. Z., & Noor, M. S. Z. (2008). A primary assessment of the impact of micro-credit scheme on microenterprises and poverty in Kedah Darul Aman.
- Sebstad, J., & Cohen, G. (2003). Financial education for the poor microfinance opportunities.
- Schreiner, M., (2003). A cost effective analysis of the Grameen Bank of Bangladesh.
- Shekh, M. N. I. (2000). Educating women through NGO programs: Contradiction of culture and gender in rural Bangladesh.
- Sekaran, U. (2003). Research Method for Business. A Skill building approach (4th edition). Wiley: South Illinois University.
- Singapore Management University. (2008). A tale of two NGOs: Bangladesh's Grameen Bank and BRAC.
- Steele, F., Amin, S., & Naved, R. T. (1998). The impact of an integrated micro-credit program on women's empowerment and fertility behavior in rural Bangladesh.
- Stromquist, N. p., (1995). The theoretical and practical bases for empowerment.
- Sukontamarn, P. (2007). Micro-credit, fertility decisions, and women's empowerment in Bangladesh.
- Swain, R. B., & Wallentin, F. Y. (2007). Does microfinance empower women? Evidence from Self Help Groups in India.
- The Millennium Development Goals Report. (2006).
- Umashankar, D. (2006). Women's empowerment: Effect of participation in self help groups.
- UNDP Report. (2008).
- World Bank Report. (2006).
- wikipedia report. (2008).
- www.asabd.org
- www.brac.net

www.bracresearch.org

www.discoverybangladesh.com

[www. grameen.com](http://www.grameen.com)

Zaman, H.(2006). The economics and governance of NGOs in Bangladesh.

Zeller, M., Sharma, M., Ahmed, A. U., & Rashid, S. (2001). Group based financial institution for the rural poor in Bangladesh.