

“The survival of business enterprises and access to finance: the case of 4 African countries”

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THE SURVIVAL OF BUSINESS ENTERPRISES AND ACCESS TO FINANCE: THE CASE OF 4 AFRICAN COUNTRIES

Abstract

Microfinance institutions render essential services to start-up small, micro, medium-sized enterprises (SMMEs) by way of extending loans to entrepreneurs. SMMEs operating in South Africa have relatively better access to microfinance loans in comparison with those operating in Nigeria, Kenya and Ethiopia. A survey was conducted in order to compare the relative ease of access to microfinance loans in South Africa, Nigeria, Kenya and Ethiopia based on a survey conducted in the four Sub-Saharan African countries. The ease of access to microfinance loans was assessed based on criteria defined by Barry and Tacneng (2014). A total of 401 SMMEs participated in the study. Loan applicants were asked to provide answers to questions that indicated the ease of securing loans and meeting loan repayment conditions. Emphasis was placed on the demand for collateral as a requirement for extending loans to applicants, the assessment of entrepreneurial and auditing skills of loan applicants, the difficulty of meeting loan repayment conditions, and adherence to regulations and guidelines recommended by governments. Descriptive, bivariate and multivariate methods of data analyses were used for data analyses. The study found that about 21% of SMMEs were satisfied with the ease of securing loans, whereas the remaining 79% of SMMEs did not. The ease of access to microfinance loans varied by country in which South African loan applicants were the most satisfied in comparison with the remaining three countries. Securing microfinance loans, as well as fulfilling loan repayment conditions were easiest in South Africa, and most difficult in Ethiopia. In terms of ease of securing loans and meeting loan repayment conditions, the order of nations was ranked as South Africa, Nigeria, Kenya and Ethiopia. In all four countries, the ease of access to microfinance loans was influenced by country of business operation, extent of benefits realized by SMMEs, and highest level of formal education.

Keywords

access to finance, survival, SMME, ordered probit regression

JEL Classification

D20, G21

INTRODUCTION AND BACKGROUND

The main purpose of research was to critically examine the ease of borrowing loan from formally registered microfinance institutions in South Africa, Nigeria, Kenya and Ethiopia. Barry and Tacneng (2014) have defined criteria for determining the ease of borrowing loan from microfinance institutions. Although microfinance agencies are expected to complement services provided by commercial banks, they are characterized by financial inadequacy, lack of adherence to guidelines and policies issued by national governments, poor leadership, low ethical standards and poor professional standards. Microfinance agencies are expected to play a noble role by enabling SMMEs to bridge their immediate financial shortcomings. Chakrabarty and Bass (2013) have shown that microfinance agencies in developing nations such as South Africa, Nigeria, Kenya and Ethiopia often flout guidelines and operational policies. According to the authors, this limitation is attributed to lack of effective monitoring and evaluation mechanisms in

all four nations. Okpara (2010) has cited two key causes of poor microfinance services in Sub-Saharan African nations such as Nigeria. These are failure to hold microfinance agencies accountable to licensing conditions and lack of financial capacity. In all three countries, microfinance institutions (MFIs) do not adhere strictly to guidelines that are recommended by national governments and central banks. As a result, entrepreneurs with the potential for sustained growth are denied access to credit by MFI institutions. Two motivating factors for the survey were the need for comparing the quality of microfinance services in the four African nations and the quest for reliable empirical evidence and scientific studies. Kemboi and Tarus (2013) have conducted a study in Kenya and have concluded that Kenyan SMMEs demand collateral and impose stringent loan repayment conditions on applicants. The authors have suggested practical remedial actions that require monitoring and evaluation from the Kenyan National Government. Regulation is required in order to ensure service quality standards, fairness and adequate compliance with relevant guidelines and regulations. The demand for improved and affordable microfinance services in South Africa, Nigeria, Kenya and Ethiopia is robust (Newman, Schwarz, & Borgia, 2014). Jaffaris, Saleem, Abideen, Kaleem, Malik, and Raza (2011) have shown that microfinance institutions need to be strictly regulated and monitored as a means of ensuring fairness and objectivity in the disbursement of funds to SMMEs. The authors have argued that microfinance institutions must be monitored by regulating authorities and central banks in order to ensure satisfactory compliance with service standards. The goal of this research was to describe the strengths and weaknesses of microfinance services rendered by microfinance agencies operating in South Africa, Nigeria, Kenya and Ethiopia.

1. LITERATURE REVIEW

1.1. South African SMMEs and access to finance

The cost of borrowing money from microfinance institutions in South Africa is costly. The requirements for borrowing money from microfinance institutions as well as loan repayment conditions are also not easy to meet (Newman, Schwarz, & Borgia, 2014). According to the authors, the key reasons are the demand for collateral, high service charges and high interest rates. The South African economy is a combination of first world and third world economies in which overall economic growth is often undermined due to massive unemployment, rural and urban poverty, poor municipal services, corruption, and lack of good governance (Rose-Ackerman & Palifka, 2016). South Africans are heavily indebted with financial loans. The demand for microfinance loans and services among start-up enterprises is robust. In comparison with other African nations, South Africa has relatively well resourced and better managed microfinance agencies that render valuable services to entrepreneurs. Bazilian, Nakhoda, and Van de Graaf (2014) have reported that South Africans borrow money heavily for purchasing goods and services, and do not do well in terms of saving money in comparison with Japan, Malaysia, Singapore, South

Korea and China. Rose-Ackerman and Palifka (2016) have highlighted the strategic benefits of developing a culture of saving money by citing examples from countries such as Japan.

Since April 1994, new policies have been introduced in South Africa with a view to enable operators of SMMEs to have easy access to finance needed for conducting business and entrepreneurial activities. The support provided to microfinance agencies by the South African government is based on a strategic initiative taken by the South African government to grow and promote SMMEs that are owned and operated by black indigenous South Africans profitably. However, these institutions have failed to produce tangible results for the unemployed youth due to key obstacles such as difficulty in securing finance, acute shortage of entrepreneurial, technical, managerial, vocational and artisan skills, poor municipal service delivery, too much bureaucracy related to license applications and tax assessment, red tape, corruption, and lack of leadership and good governance (Edoho, 2015; Henrekson, 2014; Khale & Worku, 2015; Worku, 2016). The above authors have called for the improvement of microfinance services extended to SMMEs. From the point of view of start-up SMMEs in South Africa, it is necessary to overcome two obstacles. These are granting easy access to loans and simplifying loan repayment conditions.

According to Crane and Matten (2016), about 58% of South Africans save money for an emergency. About 47% of South Africans save money as a provision in the event of death. About 41% of South Africans save money for funerals. Credit card holders have increased in number significantly since April 1994. A study conducted by Edoho (2015) shows that about 21 million South Africans have credit cards. Credit cards require regular repayment at relatively higher interest rates and additional service charges. However, South Africans depend heavily on credit cards. Crane and Matten (2016) have reported that about 74% of the credit market is serviced by formal banks and credit card companies, whereas stokvels and family and friends serve as source of credit to about 26% of South Africans.

1.2. Nigerian SMMEs and access to finance

In Nigeria, SMMEs play a key role in extending loans needed for economic development. This is done by way of generating employment opportunities for young graduates and by tackling the scourge of absolute poverty. SMMEs drive growth in GDP and create employments. SMMEs are valuable for the national economy, but cannot function optimally in the absence of loans. Filmer and Fox (2014) have cited difficulty in borrowing loan money by SMMEs operating in Nigeria's largest commercial cities such as Lagos. They have also stated that SMMEs are routinely exposed to unfavorable assessment by microfinance institutions in areas related to the demand for collateral and fixed assets as a requirement for the approval of loans from commercial banks and microfinance institutions. The situation in Kenya, Tanzania and Uganda is fairly similar to the situation observed in Nigeria (Julian & Ofori-Dankwa, 2013). Kolk, Rivera-Santos, and Rufin (2014) have pointed out that the demand for collateral is the biggest obstacle to access to finance in Nigeria. Oni (2012) has argued that urban and rural people should be encouraged and supported to borrow money needed for development projects. The key problem has been the demand for collateral and fixed assets by commercial banks and microfinance institutions. Commercial banks and microfinance institutions in most Sub-Saharan African countries demand collateral and fixed assets before they approve loan money. It follows that start-up SMMEs often struggle to meet this stringent requirement for fixed as-

sets. According to Haneef, Pramanik, Mohammed, and Muhammad (2014), the demand for collateral and fixed assets cannot be met by most newly established SMMEs. This fact calls for intervention by the national government with a view to ensure fairness and objectivity. Filmer and Fox (2014) have argued that microfinance institutions must be encouraged to lend out money to the unemployed youth as a means of helping them to get a livelihood. The authors have pointed out that a critical aspect of such help would be to provide skills-based training programs to all beneficiaries of such youth development programs. Fosu (2015) points out that such development and assistance programs must be accompanied with strict monitoring and evaluation programs and mechanisms. Guerin, Morvant-Roux, and Villarreal (2013) have provided an example from the USA in which strict monitoring and evaluation programs have minimized default rates among borrowers. Cramm and Nieboer (2011) have outlined norms and standards for efficient microfinance services in Sub-Saharan African countries. Bruton, Ketchen, and Ireland (2013) have listed down key obstacles such as collateral requirements and a track record of profitability by microfinance institutions and commercial banks in Sub-Saharan African countries.

Biosca, Lenton, and Mosley (2014) have argued that microfinance services should be modelled after what has been done by the Grameen Bank of Bangladesh. The model from Bangladesh has successfully alleviated abject poverty among unemployed rural women. The key to the success achieved in Bangladesh is the provision of loan guarantee by the national government. The other equally important success factor in Bangladesh is Grameen Bank's dedicated service in assessing, evaluating, monitoring and controlling the disbursement and recovery of loan money extended to SMMEs and various applicants such as community-based associations. The big role players in Nigeria are the Nigerian Ministry of Finance, the Nigerian Central Bank, various Nigerian commercial banks and the Stock Exchange of Nigeria. In addition to the formal sector, the informal sector also extends microfinance services to operators of SMMEs in manners that suit lenders and borrowers. There is enough demand for both formal and informal loan services. However, it is not so easy to regulate and monitor the ease of securing loan money from informal microfinance service providers. The ease of access to loan money from informal microf-

inance agencies varies depending on residential area (rural or urban), economic sector, the financial capacity of microfinance service providers, and the degree to which regulations are enforced by the Nigerian government.

1.3. Kenyan SMMEs and access to finance

In Kenya, microfinance institutions play a major role in the national economy by making finance available to aspiring entrepreneurs and innovative young graduates of vocational schools, technical colleges and universities. Microfinance agencies operating in Kenyan cities and towns are routinely used for securing loans. Wijesiri and Meoli (2015) have stated that it is not easy to determine the percentage of money borrowed from microfinance agencies that is utilized according to approved plans of action. Kenyan microfinance agencies assist start-up SMMEs by granting them with fast and easy money required for business operation. Since Kenya declared independence from Britain in May 1963, microfinance agencies have played a major role in the Kenyan economy along with commercial banks and insurance companies. Microfinance agencies have taken credit for alleviating poverty among men and women, as well as the unemployed youth. According to the Kenyan government, poor and unemployed Kenyans can improve their low socioeconomic status by taking microfinance. The key problem in Kenya has been lack of capacity among microfinance institutions. Examples of some of the key obstacles are lack of capacity, improper regulations, inability to enforce the law, stiff competition with commercial banks, failure to produce innovative and diversified products, lack of profitability, lack of stability, and lack of monitoring and evaluating services to microfinance institutions (MFIs).

Wijesiri and Meoli (2015) have shown that formal money lending institutions, as well as traditional microfinance agencies such as commercial banks, Equity Bank of Kenya, K-Rep Bank of Kenya, Family Bank of Kenya, the Co-operative Bank of Kenya, Faulu Bank of Kenya, Finance Trust Bank of Women of Kenya, SMEP Bank of Kenya, Kadet Bank of Kenya and Jamii Bora Bank of Kenya, provide loans to operators of SMMEs. However, the loan criteria imposed on SMMEs by lenders such as ordinary commercial banks is quite stringent. According to the

authors, the key obstacle is the demand for collateral and a proven track record of paying back loans. The relatively higher interest rates imposed by microfinance agencies and stringent loan repayment conditions are a major deterrent to SMMEs. Microfinance agencies operating in Kenya are ranked as the best in the entire East African region according to studies conducted by Segun and Anjugam (2013). The study conducted by Taiwo, Onasanya, Yewande, Edwin, and Benson (2016) has shown that Kenyan microfinance institutions provide a relatively more significant assistance to SMMEs operating in Kenya in comparison with commercial banks, although microfinance agencies are relatively costlier in terms of interest rates. The study conducted by Sila (2014) has shown that microfinance institutions have managed to provide badly needed loan services to Kenyan women who conduct entrepreneurial activities in the eastern Nyanza region of Kenya.

Kenya is home to several microfinance agencies that offer loan services to operators of SMMEs in almost all economic sectors. In the East African region, Kenyan microfinance agencies provide the best and most professional loan services to operators of SMMEs (Siwale & Ritchie, 2012; Roitch, Lagat, & Kogel, 2015). The authors have shown that Kenyan microfinance institutions have the largest capacity in the East African region in comparison with other East African economies. The study conducted by Schwitay (2014) has found that there are 25 large microfinance institutions in Kenya that extend loans to SMMEs to the tune of about 2 billion American Dollars to about 2 million operators of SMMEs. Shisia, Marangu, and Omwario (2014) have pointed out that the Equity Bank of Kenya controls about 74% of the microfinance market in Kenya. The Equity Bank of Kenya has about 716,000 active customers in its database. The Kenya Women Microfinance Bank has a market share of about 12% and about 334,000 customers. K-Rep Bank has a market share of 6.39% and about 82,000 active customers. The microfinance company FAULU has a market share of about 4% and about 102,000 active customers. The Kenyan microfinance company Jamii Bora has a market share of about 1% and about 80,000 customers. The company Kenya Women Finance Trust (KWIFT) provides loans to about 334,000 customers.

Rottenburg, Merry, Park, and Mugler (2015) have provided practical examples in which Kenyan mi-

crofinance agencies play a vital part in building and growing the national economy of Kenya. The key methods are providing loan money needed for business activities, education, medical treatment, construction, agriculture, and construction projects. They also extend personal and emergency loans, although such loans are provided at very high interest rates and stringent loan repayment conditions (Mori, Golesorkhi, Randoy, & Hermes, 2015). Kenyan microfinance institutions offer loan services to individual applicants, as well as groups of applicants. A group could have between 2 and 30 members. Loan services are extended to both men and women. Examples of microfinance agencies that extend loan services to the majority of Kenyans are the Equity Bank of Kenya, K-Rep Bank and Jamii Bora (Rolffs, Ockwell, & Byrne, 2015). This shows that Kenyan microfinance institutions provide loans to individuals, as well as groups of entrepreneurs.

According to Otieno and Moronge (2014), microfinance agencies in Kenya have failed to exploit the education section of the economy fully to their own advantage. They are quite reluctant to lend money to applicants who seek loan services. Musamali and Tarus (2013) have pointed out that microfinance agencies are heavily involved in the services sector of the economy, and that they are only marginally interested in the education sector for financial reasons. The microfinance agency KADET has only 220 customers. The microfinance agency ECLOF has only 211 customers. The microfinance agency SISDO has only 202 customers. The agency Adok Timo has only 173 customers. Nega and Schneider (2014) have pointed out that about 35% of Kenyans have difficulty in securing loans at affordable rates, mostly due to high interest rates imposed on loans by microfinance institutions. The authors have pointed out that about 30% of Kenyans have no access to banking services. Most of these Kenyans live in rural areas.

1.4. Ethiopian SMMEs and access to finance

Since the early 1990s, microfinance agencies have been providing loan money needed by start-up entrepreneurs in Ethiopia. The administration of microfinance agencies is regulated by an act issued by the Ethiopian government in 1996 (Brautigam & Gallagher, 2014). The total number of duly registered microfinance agencies in Ethiopia is less

than 50 (Banerjee, Duflo, Goldberg, Karlan, Osei, Pariente, Shapiro, Thuysbaert, & Udry, 2015). The degree of competition among microfinance agencies is low in comparison with the degree of competition in countries such as South Africa, Nigeria and Kenya (Abate, Borzaga, & Getnet, 2014). The largest microfinance agencies in Ethiopia are the Amhara Credit and Saving Institution (ACSI), Dedebit Credit and Savings Institution (DECSI), Oromia Credit and Savings Share Company (OCSSCO), Addis Savings and Credit Institution (ADSCI) and Omo Microfinance Institution Share Company (Bassem, 2014). The largest microfinance agencies work closely with the National Bank of Ethiopia (NBE). The total capital and total asset of microfinance agencies in Ethiopia was about 200 million American Dollars and 800 million American Dollars, respectively (Banerjee, Karlan, & Zinman, 2015).

Only four microfinance agencies offer loans to 75% of all applicants. Half of all microfinance agencies are located in Addis Ababa. This fact shows that microfinance services are available mostly to urban applicants only (Mersland & Strom, 2014). Microfinance agencies operating in Addis Ababa account for 40% of the total number of microfinance loans provided by the 30 microfinance agencies in Ethiopia to only 5% of the Ethiopian population. In the Tigray region, 40% of all loans provided by the sector is provided to 5% of the population of Ethiopia. In the Amhara region, 16% of all loans provided by the sector is provided to 20% of the population of Ethiopia. In the Oromo region, 16% of all loans provided by the sector is provided to 20% of the population of Ethiopia (Nega & Schneider, 2014). Microfinance agencies in Ethiopia are significantly smaller and poorly resourced in comparison with microfinance agencies in South Africa, Nigeria and Kenya. Microfinance agencies in Kenya are at least four times better equipped and adequately resourced in comparison with those in Ethiopia (Page & Soderbom, 2015). The key shortcoming of microfinance agencies in Ethiopia is that they demand collaterals and fixed assets from applicants (Ayele, 2015). They also impose stringent loan repayment conditions on applicants. Furthermore, their lending capacities are quite poor (E. Worku & Z. Worku, 2008).

2. METHODS AND DATA

An exploratory, descriptive and cross-sectional study design was utilized for conducting the research. In the months of October, November and December 2017, data were collected from a stratified random sample of 401 SMMEs for the study (154 from South Africa, 132 from Nigeria, 88 from Kenya, and 27 from Ethiopia). Data were collected by a postdoctoral research fellow working at Tshwane University of Technology in Pretoria, South Africa as part of the study. Participants of the research were asked to complete a structured and self-administered questionnaire of study in which information was collected on 35 socioeconomic factors. The ease of access to loans was measured by the standards of Barry and Tacneng (2014) set out for assessing microfinance-related activities of interest to SMMEs. The analyses of raw data sets were performed by utilizing frequency tables, cross tabulated tests of associations, ordered probit regression and factor analysis (Chatterjee & Hadi, 2015).

The paper aims to construct a framework that could be used for improving the quality of services provided to businesses by microfinance institutions operating in South Africa, Nigeria, Kenya and Ethiopia.

3. RESULTS

Based on the criteria set out by Barry and Tacneng (2014), the results showed that 76 of the 401 SMMEs in the survey (18.95%) had a positive perception about microfinance services. The remaining 325 participants (81.05%) had a negative perception. Participants were selected from South Africa (38.40%), Nigeria (32.92%), Kenya (21.95%) and Ethiopia (6.73%). About 55% of participants had solely owned SMMEs. About 34% of participants were in the general services sector. Trade and commerce accounted for about 25% of participants.

Partnerships accounted for about 25% of participants. About 57% of participants were in distribution and sales. About 76% of participants were male. About 47% of participants had age of 31 to 40 years. About 32% of participants had age of 20 to 30 years. The percentage of participants who had completed secondary school level education was about 44%. The percentage of participants with Bachelor's degrees was about 16%.

Table 1. General characteristics of participants of study ($n = 401$)

Variable of study	Frequency (percentage)
Perception on the quality of microfinance services provided to SMMEs	Positive: 76 (18.95%) Negative: 325 (81.05%)
Country of business operation	South Africa: 154 (38.40%) Nigeria: 132 (32.92%) Kenya: 88 (21.95%) Ethiopia: 27 (6.73%)
Economic sector of SMME	Agriculture and mining: 107 (26.68%) Manufacturing: 21 (5.24%) Oil and gas: 19 (4.74%) General services: 135 (33.67%) Trade and commerce: 101 (25.19%) Others: 18 (4.49%)
Type of business activity	Franchise: 38 (9.48%) Solely owned: 221 (55.11%) Partnership: 102 (25.44%) Others: 40 (9.98%)
Economic sector of SMME	Consulting: 69 (17.21%) Distribution and sales: 229 (57.11%) Production: 76 (18.95%) Others: 27 (6.73%)
Gender of respondent	Male: 304 (75.81%) Female: 97 (24.19%)
Age category of respondent	Below 20 years: 42 (10.47%) 20 to 30 years: 127 (31.67%) 31 to 40 years: 188 (46.88%) 41 to 50 years: 26 (6.48%) 51 years or more: 18 (4.49%)
Highest level of formal education	Primary level or less: 52 (12.97%) Secondary level: 178 (44.39%) Certificate: 60 (14.96%) Diploma: 41 (10.22%) Bachelor's degree: 64 (15.96%) Master's degree or above: 6 (1.50%)

Table 2 shows figures for business-related characteristics. About 55% of businesses had operated for three to five years at the time of the study. About 25% of businesses had operated for six years or longer at the time of the study. The percentage of businesses that were owned by a single operator was about 60%. Family or group ownership accounted for about 27%. Shareholding accounted for about 12%. The percentage of businesses in the wholesale or retail sector was about 62%. About 72% of businesses employed five or fewer employees in their businesses.

Table 2. Duration of operation of businesses
(*n* = 401)

Variable of study	Frequency (percentage)
Duration of operation of business	Less than a year: 19 (4.74%)
	One to two years: 58 (14.46%)
	Three to five years: 222 (55.36%)
	Six years or more: 102 (25.44%)
Type of ownership of business	A single owner: 239 (59.60%)
	Family or group: 109 (27.18%)
	Shareholders: 47 (11.72%)
	Others: 6 (1.50%)
Type of business activity conducted	Agriculture: 81 (20.20%)
	Manufacturing: 56 (13.97%)
	Wholesale or retail: 250 (62.34%)
	Others: 14 (3.49%)
Number of employees employed by SMME	Five or fewer: 289 (72.07%)
	Five to twenty: 81 (20.20%)
	Twenty one or more: 31 (7.73%)

Table 3 shows turnover money produced by businesses in the survey. About 72% of businesses could only produce a turnover of R500,000 or less. Only 13% of businesses were capable of producing a turnover of between R5 million and R10 million. Profitability was undermined by lack of capital in about 62% of businesses. About 9% of participants used loan money taken from microfinance agencies for business expansion. About 43% of participants used loan money borrowed from microfinance agencies for ordering merchandise.

Table 3. Turnover generated by businesses
(*n* = 401)

Variable of study	Frequency (percentage)
Turnover generated by business	R500,000 or less: 289 (72.07%)
	R500,001 to R1,000,000: 32 (7.98%)
	R1,000,001 to R5,000,000: 27 (6.73%)
	R5,000,001 to R10,000,000: 53 (13.22%)
Factors that undermine profitability	High cost of rental: 59 (14.71%)
	Lack of capital: 250 (62.34%)
	Wrong location: 55 (13.72%)
	Poor demand: 37 (9.23%)
Purpose for which loan taken from microfinance institutions is used by businesses	Training and capacity building: 23 (5.74%)
	Goods and services: 48 (11.97%)
	Business expansion: 38 (9.48%)
	Ordering merchandise: 174 (43.39%)
	Paying municipal bills: 21 (5.24%)
	Others: 97 (24.19%)

Table 4 quantifies the key difficulties and benefits associated with loans. For about 23% of applicants, the task of securing a loan from microfinance agencies was extremely difficult. For about 54% of applicants, the task was harder than expected. About 46% of participants indicated that they managed to improve their investment and production capacities by taking loan money from microfinance agencies. About 40% of participants indicated that the amount of profit realized by taking a loan from microfinance agencies was less than expected.

Table 4. Difficulties and benefits associated with loans
(*n* = 401)

Variable of study	Frequency (percentage)
Extent of problems experienced while applying for loans	As expected: 48 (11.97%)
	Easier than expected: 34 (8.48%)
	Harder than expected: 218 (54.36%)
	Not difficult at all: 7 (1.75%)
Description of benefit achieved by business after taking loan	Extremely difficult: 94 (23.44%)
	Growth in innovation: 27 (6.73%)
	Growth in capital base: 125 (31.17%)
	More competitive business: 59 (14.71%)
Extent of profit realized by business after taking loan	Improved investment and production capacity: 185 (46.13%)
	Other benefits: 5 (1.25%)
	As expected: 56 (13.97%)
	Less than expected: 159 (39.65%)
	More than expected: 37 (9.23%)
	Extremely low: 115 (28.69%)
	Extremely high: 34 (8.48%)

Table 5 quantifies the task of meeting key requirements for loan approval by microfinance agencies. The table shows that only 23% of applicants managed to meet the demand for collateral easily enough. For about 43% of applicants, the task of collateral constituted a major difficulty. Showing proof of fixed assets was a major problem for about 36% of applicants for a loan. Showing proof of current audit report was a major problem for about 49% of applicants for a loan. Showing proof of tax compliance was a major problem for about 47% of applicants for a loan. Showing proof of valid trading license was a major problem for about 6% of applicants for a loan.

Table 5. Assessment of difficulties in meeting requirements for loans ($n = 401$)

Requirement for loan	Frequency (percentage)
Proof of collateral	Easily enough: 93 (23.19%)
	Fairly well: 31 (7.73%)
	As expected: 92 (22.94%)
	With minor difficulties: 14 (3.49%)
	With major difficulties: 171 (42.64%)
Proof of fixed assets	Easily enough: 65 (16.21%)
	Fairly well: 43 (10.72%)
	As expected: 80 (19.95%)
	With minor difficulties: 69 (17.21%)
	With major difficulties: 144 (35.91%)
Proof of current audit report	Easily enough: 41 (10.22%)
	Fairly well: 57 (14.21%)
	As expected: 87 (21.70%)
	With minor difficulties: 19 (4.74%)
	With major difficulties: 197 (49.13%)
Proof of steady income	Easily enough: 13 (3.24%)
	Fairly well: 50 (12.47%)
	As expected: 102 (25.44%)
	With minor difficulties: 9 (2.24%)
	With major difficulties: 227 (56.61%)
Proof of tax compliance	Easily enough: 44 (10.97%)
	Fairly well: 39 (9.73%)
	As expected: 102 (25.44%)
	With minor difficulties: 27 (6.73%)
	With major difficulties: 189 (47.13%)
Proof of valid trading license	Easily enough: 113 (28.18%)
	Fairly well: 49 (12.22%)
	As expected: 12 (2.99%)
	With minor difficulties: 201 (50.12%)
	With major difficulties: 26 (6.48%)

Table 6 shows frequency counts and percentages on defaulting on loans taken from microfinance institutions. The table shows that about 49% of applicants defaulted on loan repayments at least once in the past.

Table 6. Defaulting on loans taken from microfinance institutions ($n = 401$)

Variable of study	Frequency (percentage)
Experience of defaulting on loan repayment at least once in the past	Defaulted at least once: 198 (49.38%)
	Never defaulted: 203 (50.62%)
Experience of bankruptcy at least once in the past	Bankrupt at least once: 187 (46.63%)
	Never bankrupted: 214 (53.37%)

Table 6 (cont.). Defaulting on loans taken from microfinance institutions ($n = 401$)

Variable of study	Frequency (percentage)
Preferred choice for loan application	Commercial bank: 126 (31.42%)
	Microfinance institution: 178 (44.39%)
	Others: 97 (24.19%)
Ability to draw up a business plan	Yes: 242 (60.35%)
	No: 159 (39.65%)
Perception on how helpful microfinance institutions are for SMMEs	Helpful: 181 (45.14%)
	Not helpful: 220 (54.86%)

Table 7 shows frequency counts and percentages for ways and means in which national governments can assist SMMEs. It can be seen from the table that valuable suggestions were made by operators of SMMEs. The most popular suggestion was that Central or Reserve Banks in South Africa, Nigeria, Kenya and Ethiopia should be enforcing regulations on microfinance institutions and loan applications by SMMEs with enough vigor (38%). The second most popular suggestion was that trade restrictions, heavy bureaucracy and red tape should be eased (35%). The third most popular suggestion was a call for training (13%). The fourth most popular suggestion was that tax waiver should be granted to start-up and newly established businesses at their infant stages (7%). The fifth most popular suggestion was that there must be a policy on promoting local content and diversity of business operations (6%).

Table 7. Ways and means in which national government can assist SMMEs ($n = 374$)

Variable of study	Frequency (percentage)
Central or Reserve Banks in South Africa, Nigeria, Kenya and Ethiopia should be enforcing regulations on microfinance institutions and loan applications by SMMEs with enough vigor	154 (38.40%)
Trade restrictions, heavy bureaucracy and red tape should be eased	141 (35.16%)
Training should be provided to SMMEs with adequate monitoring and evaluation mechanisms	53 (13.22%)
Tax waiver should be granted to start-up and newly established businesses at their infant stages	27 (6.73%)
There must be a policy on promoting local content and diversity of business operations	26 (6.48%)

Table 8 shows significant results obtained from crosstab tests.

Table 8. Significant bivariate interactions ($n = 401$)

Factors that determine efficiency in microfinance services	Observed Chi-square value	p-value
Country of operation	54.09	0.000
Duration of service	51.66	0.000
Perception on benefits realized by SMMEs from microfinance institutions	48.37	0.000
Highest level of education	40.09	0.000
Past history of bankruptcy	35.55	0.000
Extent to which business has improved by taking loan	32.11	0.000
Extent of difficulty in securing loan	21.12	0.000
Ability to meet requirements for securing loan	19.99	0.000
Year of registration	17.08	0.000

Bivariate analysis showed that 9 of the variables of study were highly significant predictors of efficiency in microfinance institutions. The p -values were equal to 0.000 for all 9 variables of study. These were: country of operation, duration of service, perception on benefits of microfinance institutions, highest level of education, past history of bankruptcy, extent to which business has improved by taking loan, extent of difficulty in securing loan, ability to meet requirements for securing loan, and year of registration. Table 9 shows regression coefficients from ordered probit regression along with p -values and 95% confidence intervals.

Table 9. Ordered probit regression coefficients

Factor	p-value	Coefficients and 95% confidence intervals
Country of business operation	0.000	4.11 (2.91, 7.44)
The perception that the benefits realized by SMMEs from microfinance institutions are insignificant	0.000	3.88 (2.43, 6.46)
Low level of formal education	0.000	2.73 (1.86, 5.79)

Results of data analysis obtained from ordered probit regression analysis showed that 3 of the 9 variables of study were highly significant predictors of the ability of microfinance institutions to provide efficient services to operators of SMMEs. These were Country of business operation, Extent of benefits realized by SMMEs, and Highest level of formal education. Additional data analysis

was done by using log linear analysis (DeFusco, McLeavey, Pinto, Anson, & Runkle, 2015). Table 10 shows two-by-two interactions that influence the adequacy of microfinance services rendered to entrepreneurs in South Africa, Nigeria, Kenya and Ethiopia.

Table 10. Significant two-by-two associations

Factors associated with inadequate microfinance services	p-value
Country of business operation	0.0000
The perception that the benefits realized by SMMEs from microfinance institutions are insignificant	0.0000
Low level of formal education	0.0000

The results in Table 10 show that the provision of poor microfinance services to SMMEs is significantly associated with country of business operation, the perception that the benefits realized by SMMEs from microfinance institutions are insignificant, and low level of formal education. Table 11 shows extracted factors and eigenvalues.

Table 11. Extracted factors and eigenvalues

Extracted factor	Eigenvalue	Percentage of explained variance in viability	Cumulative percentage of explained variance
Country of operation	2.809	31.359	31.359
Duration of service	2.746	24.172	55.531
Perception on benefits realized by SMMEs from microfinance institutions	2.635	12.505	68.081
Highest level of education	2.557	10.228	78.309
Past history of bankruptcy	2.419	6.331	84.640

The factors extracted above indicate that the adequacy of microfinance services is dependent upon the same set of factors indicated in Table 10.

The key finding of study is that microfinance agencies need to be closely supported, monitored and evaluated in order to ensure adequate compliance with government regulations, and to protect vital attributes such as fairness, objectivity, transparency and easy access to finance to all SMMEs. MFIs have alleviated abject poverty by lending out money needed by start-up SMMEs in South Africa, Nigeria, Kenya and Ethiopia. Microfinance agencies in South Africa were the best, followed

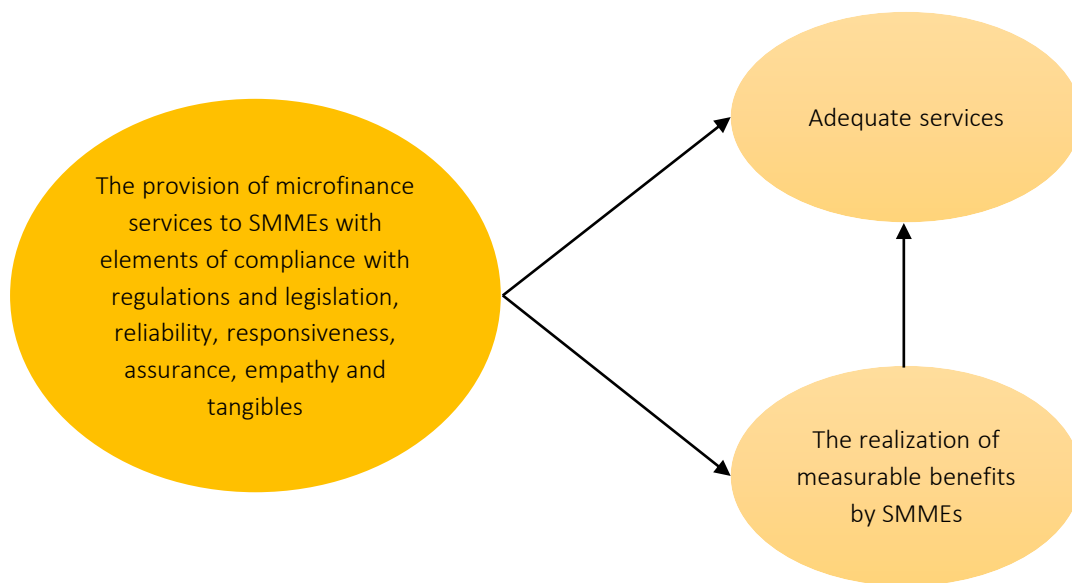


Figure 1. Framework for improved services to SMMEs by microfinance institutions

by Nigerian, Kenyan and Ethiopian microfinance agencies. Microfinance agencies in Ethiopia had the lowest capacity in comparison with agencies in South Africa, Nigeria and Kenya. Lack of capacity in respect of financial capital was a major obstacle in Nigeria, Kenya and Ethiopia. The results confirm the importance of efficient microfinance services as a means of reducing poverty and promoting profitability in SMMEs. The results also show that microfinance agencies often lack resources for providing loans to SMMEs at more affordable rates. The study has shown that microfinance regulations and guidelines are often disregarded by microfinance agencies, as well as SMMEs.

The key mandate of MFIs is to give out small loans to SMMEs so that they could meet their operational and business related needs conveniently.

SMMEs need financial assistance that comes with reasonable interest rates and minimal bureaucracy (Addae-Korankye, 2014). Figure 1 shows a suitable framework of study.

Microfinance agencies have successfully alleviated poverty in all Sub-Saharan African countries by providing loan services to SMMEs. Some of the key challenges for microcredit are lack of lending capacity and political interference in MFI institutions. A framework is vital for ensuring value for money. In this regard, the ability of microfinance institutions to respect and abide by the relevant regulations, guidelines and legislation in South Africa, Nigeria, Kenya and Ethiopia is critically important. Operators of SMMEs need speedy, highly efficient, reliable, affordable and transparent loan services.

CONCLUSION

The study has shown that microfinance institutions render services that are highly demanded by businesses in all four African countries in the study (South Africa, Nigeria, Kenya and Ethiopia). Everything considered, 21% of the 401 SMMEs in the study were satisfied with the ease of securing loans from microfinance institutions, whereas the remaining 79% of SMMEs were not. The study has shown that microfinance institutions in all four countries lack financial capacity for meeting demands for loans from SMMEs, and that they require collaterals for extending loans to businesses. Regulations and guidelines set out by central banks are not adhered to sufficiently in all four countries. Loan repayment conditions are quite stringent in all four countries. Ease of access to microfinance loans was easiest in South Africa in comparison with Nigeria, Kenya and Ethiopia. The implication of study is that there is a need

for the governments of South Africa, Nigeria, Kenya and Ethiopia to build capacity into microfinance institutions, and that services provided by microfinance institutions should be monitored and evaluated by central banks as a means of ensuring the quality of microfinance services that are provided to SMMEs. The study has a minor limitation. Due to shortage of resources, data were collected from microfinance institutions only. There is a need for further research by collecting empirical data from commercial banks on loans provided to SMMEs.

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