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ABSTRACT

This study sought to establish how mobile banking has affected the financial performance of SMEs. The research was conducted as an exploratory research. The target population of study for the research comprised of the SMEs that provide financial services within the Kakamega County. The study used random sampling technique. A sample size of 373 SMEs was used. Semi-structured questionnaires were used for collecting information from SMEs entrepreneurs. Trained research assistants were contracted to collect data from the field using the sample codes. A pilot study was done using twenty five questionnaires. Data capturing was done using Excel software. The data from the completed questionnaires were cleaned, coded and entered into the computer using the statistical package for social sciences (SPSS) for Windows analysis. The findings revealed that SMEs used mobile banking services to send and receive money, check account balance, knowing when to deposit or withdrawal from their bank account. The results also revealed that there was positive relationship between financial performance of SMEs and accessibility (R=0.704**), Efficiency (R=0.607**) and convenience (R=0.524**). However, there was negative relationship between cost of mobile banking services and financial performance of SMEs (R=-0.660**). The study concluded that mobile banking services had significant effect on the financial performance of SMEs in Kakamega County as it significantly accounted up to 65.2% (R square=0.652) variation in financial performance. The study recommended that mobile banking services should be affordable to SMEs through exemption of various taxes imposed by the government so as to improve the growth of SMEs in Kenya. This would enable SMEs to use various mobile banking services such payment of bills, accessing of credit facilities to boost their businesses.

Key Words: Mobile Banking, Services Accessibility, Cost, Convenience, Efficiency

INTRODUCTION

According to Gartner (2012) and ITU (2014), the global volume of mobile transactions was expected to grow from USD 37.4 billion in 2011 to over USD 1.13 trillion in 2014, while the number of users of mobile money services worldwide was to surpass 141million in 2014, and the number of mobile phones was to be 7 billion, greater than the total population in the globe. This represents a mere 2.1 % of all mobile users worldwide. This implies that there is still much room for growth especially in regions where there is lack of alternative payment methods.

As at the year 2012, there were 25 mobile money services operated by different Mobile Network Operators (MNOs) across Africa (GSMA, 2012). Among these, 15 are in East Africa (GSMA, 2012). Among the five East African countries, Kenya has the leading number of users of mobile money services with 17,800,000 registered users, which represents 71.3 % of the total number of mobile phone users in the country. Tanzania is the second with 9,200,000 users of mobile money which represents 43.4% of the total number of mobile phone subscribers in the country (GSMA, 2012). Uganda has the third largest number of mobile money users in the East African region with 2,100,000 users representing 8.1 % of the total number of mobile phone subscribers. Rwanda and Burundi have 309,127 and 29,000 users of mobile money services representing 8.3% and 2.7% of the total number of mobile phone users in those countries respectively (GSMA, 2012).

Even today, Kenya still has a low fixed telephone penetration rate with only 243,656 fixed lines (CCK, 2010) serving a population of about forty million people and out of this number only 7,439 subscribers are in the rural areas. This makes mobile telephone the first and the only accessible telecommunication infrastructure available and affordable to most of the Kenyan population both at home and in businesses, particularly the SMEs. Mobile telephones traditionally offered voice communication but have continued to evolve to become all-purpose tools with value added services such as mobile money transfers, Internet and data services which enhances the way small and medium enterprises (SMES) conduct their business operations.

Mobile telephones are also cheaper and more portable than computers which make their adoption much easier. This has successively reduced socialeconomic disparities within Kenyan small and medium enterprises (SMES) as well as closing the existing digital divide between the rural and urban small and medium enterprises (SMES). Most SMEs entrepreneurs had to travel or use public transport systems to send and exchange documents, access banking facilities or even transact their payments. This is not the case today, as they can e-mail the documents, pay for goods and services through mobile money transfers, use Mobile money transfer services and if one has a technologically advanced telephone, it is now possible to carry out the required tasks at any time and at any place. It is undeniable that the SMEs play a significant role in the Kenyan economy. Thirteen years ago, an economic survey indicated that the SMEs had contributed at least 50% of the new job opportunities established in the year 2005.

Kenya has had its own experience with mobile banking. Mobile banking has reached levels that were unimaginable just a few decades ago. This has resulted from the increased use of mobile phones in Kenya. Mbiti and Weil (2017) argue that the leading mobile banking model in Kenya, namely M-Pesa, grew at a blistering pace since its inception in 2007.The growth is following the expanded use of mobile phones in communication. The use of mobile banking has expanded to these levels due to the simplicity, security,cheapness and the ease with which financial services are sought and provided. The widespread cellular communication and the ability to transfer money instantly, securely,and inexpensively together provide a strong impetus to enormous changes in the organization of economic activity, family relations, and risk management and mitigation.Morawcyznski and Pickens (2009) argue that the ability to remit smaller but more frequent remittances easily, to a wide area and at low cost has popularized mobile banking in Kenya.

Financial performance refers to a subjective measure of how well a firm can use assets from its primary mode of business and generate revenues. Performance measurement is defined as the process of quantifying efficiency and effectiveness. Effectiveness is compliance with customer requirements, efficiency is how and the organization's resources are used to achieve customers'

satisfaction levels. To quantify efficiency and effectiveness performance measures should be chosen, implemented, and monitored. SMEs financial performance refer to sales, business transactional activities that reflect on sales like purchases through mobile money services and accessibility of financial services like savings and (loans). These micro-credits performance measures will be based on Rahmat, Megananda and Maulana (2006) study finding.

Access to financial resources is constrained by both internal and external factors. Internally, most SMEs lack creditworthiness and management capacity, so they have trouble securing funds for their business activities such as procuring raw materials and products, and investing in plant and equipment. From the external perspective, SMEs are regarded as insecure and costly businesses to deal with because they lack required collateral and to absorb only have the capacity small amount of funds from financial institutions. So they are rationed out in their access to credit because of high intermediation costs, including the cost of monitoring and enforcement of loan contracts. To overcome some of the constraints, the government and other relevant stakeholders have designed programs and policies that are market driven non-distorting and market to support SMEs. Government has, for example, created stable macroeconomic conditions, liberalized the economy, and encouraged the growth micro-financing business. law of А has been enacted to guide the development and sustainability of SMEs while at the same time allowing them to collect deposits. Nevertheless, the **SMEs** challenge in accessing financial to services will also depend on how they themselves increase their creditworthiness.

Statement of the Problem

The timely convenience, simplicity, safety and quickness in operation that have been brought into play by the inception of comprehensive m-banking ideology has enhanced the need for small and medium enterprises in Kenya to shift from their classical or common ways of carrying business to incorporate the mobile transactions in their business (Mbiti, 2011). Mobile phones users can enquire balances, obtain prepaid recharges, mobile loans, virtual, settle bills, utilities, salaries, pay merchants, and send contributions, gifts as well as donations anywhere at any time. Mobile cash transmission services can be utilized to increase proficiency and trade development through low cost, reliable and efficient money service support networks that diminish the risks and needs for cash transactions (Alala, Muisyo & Musiega, 2014). The mobile banking technology innovation is considered easy to use as well as effective and trustworthy with vast capabilities to spread monetary services to the unbanked or those inclining toward less expensive financial packages (Mbogo, 2015). Encouraging the growth, development and financial performance of the local small and medium enterprises is a welcome idea for the varied stakeholders in the sector including the government.

A number of studies conducted on Kenyan SMEs mainly focused on the sector's contribution to the economy in terms of employment, income, and domestic product (ICEG, 2016) while gross other studies focused on access to credit (Aketon, 2017) and government policy and strategy frameworks (ACEG, 2005). However, there was no known research to the knowledge of the researcher that had studied the effect of mobile banking services on small and medium enterprises financial performance in Kenya. This study therefore sought to investigate the effects of mobile banking services on Small and Medium Enterprises' financial performance in Kakamega County.

Research Objectives

- To assess the effect of mobile banking services accessibility on financial performance of SMEs in Kakamega County
- To determine the effect of mobile banking services cost on financial performance of SMES in Kakamega County
- To determine effect of mobile banking services convenience on financial performance of SMES in Kakamega County
- To assess the effect of mobile banking service delivery efficiency on financial performance of SMES in Kakamega County

Research Hypotheses

- H₀₁; There is no significant relationship between accessibility of mobile banking services and financial performance of SMEs in Kakamega County
- H₀₂; There is no significant relationship between mobile banking services cost and financial performance of SMEs in Kakamega County
- H₀₃; There is no significant relationship between mobile banking services convenience of mobile banking and financial performance of SMEs in Kakamega County

 H₀₄; There is no significant relationship between mobile banking service delivery efficiency and financial performance of SMEs in Kakamega County

LITERATURE REVIEW

Theoretical Review

Information Technology Acceptance Theory

The central focus of Information Technology (IT) Acceptance theory is to understand individual intention and predict users' behavior toward new Information Technology artifacts and new technology innovations. To understand the IT acceptance theory one has to understand several other acceptance theories like as Technology Acceptance Model (TAM) by Davis (1989), Diffusion of Innovation (DOI) by Rogers (1995), Unified Theory of Acceptance and Use of Technology (UTAUT) discussed by Venkatesh, Morris and Davis (2003).TAM tries to predict individuals' intentions toward using a technology based on their Perception of its Ease of Use (POEU) and Perceived Usefulness (PU).

TAM proposes two positions. First, a person accepts technology basing whether they believe the technology is useful perceived usefulness. Secondly, a person accepts technology basing on how the technology seems easy to use by the person regarding the purpose for which they what the technology. TAM, therefore, argues that the actual use of a technology system depends directly or indirectly on the user's behavioral intentions, attitude, perceived usefulness of the system, and perceived ease of the system. TAM also proposes that external factors such as social influence, cognitive instrumental processes and experience. Social influence has to do with subjective norm, voluntariness, and image. Cognitive instrumental processes have to do with job relevance, output quality, and result demonstrability (Davis, 1989).

Diffusion of Innovations Theory

This theory of technology was put forth by Rogers (2003). In the theory, a technology is simply a design for instrumental action that reduces the uncertainty in the cause-effect relationships involved in achieving a desired outcome. The theory of innovations has four key elements. These are: innovation, communication channels, time and social system. According to Rogers (2003) an innovation is an idea, practice, or project that is perceived as new by an individual or other unit of adoption irrespective of when it was invented. Communication is a process through which participants create and share information with one another to reach a mutual understanding. Communication occurs through channels between sources.

A channel is the means by which a message gets from the generator of the message to the receiver. In interpersonal channels, the communication may have a characteristic of homophily or heterophily. In homophily, the focus is on the degree to which two or more individuals who interact are similar in certain attributes, such as beliefs, education, socioeconomic status, and the like. Heterophily refers to the degree to which two or more individuals who interact are different in certain attributes. For innovation to diffuse there must be heterophily. Time is another element in the theory of diffusion by Rogers (2003). The innovation diffusion process, adopter categorization, and rate of adoptions have a time dimension. The last element in the diffusion model is the social system.

Empirical Review

Effect of Accessibility of Mobile Banking on Financial Performance of SMEs

By definition, mobile commerce offers the possibility to conduct electronic business anywhere and at any time. The nomadic nature of this form of commerce opens a wide range of new business offerings of great value to the mobile users. Kumar and Zahn (2003) note that m - commerce allows an itinerant offering of products and services usually accessible via wired electronic commerce, for example plane tickets, movies schedules, stock price, etc. Kumar and Zahn (2003) further note, geographical related offerings such as location-based products and adoption of mobile commerce initiative Business to consumer orientation Digital nature of the offering Level of ecommerce adoption services are now easy to offer. For instance, Barnes (2002) argues that in an unfamiliar neighborhood, users could search for the location of services such as nearby restaurants, shops, ATMs and public transport through mcommerce.

Effect of Convenience of Mobile Banking on Financial Performance of SMES

The M-Banking service is fast, secure, and very costeffective. lt is opening new up opportunities for businesses all over Kenya as well as supporting person-to-person money transfers, or remittances, which are common in many the economies where bread winner supports an extended family, often many miles away. Njenga (2009) states that although the mobile phone balances may seem low, the fact that there are balances proves that there is storage which can be perceived as acceptance of deposits. This is a significant indication of the high value placed on the convenience associated with the use of the mobile payment services.

Service Delivery Efficiency of Mobile Banking on Financial Performance of SMES

Chouassi (2012), studied can mobile phones really work to extend banking services to the unbanked, empirical lessons from selected sub-Saharan Africa countries. The study established that m-banking can be used for person to person (P2P) transfers including remittances or disaster response; payments such as utility bills, airtime, microfinance and loans; disbursements such as payroll, government benefits, or NGO operations and incentives for health or education. The mobile phone presents a great opportunity for the provision of financial services to the unbanked. In addition to technological and economic innovation, policy and regulatory innovation is needed to make their services a reality.

Effect Costs of Mobile Banking Services on Financial Performance of SMES

Kigen (2010) studied the impact of mobile banking on transaction costs of microfinance institutions where he found out that by then, mobile banking had reduced transaction costs considerably though they were not directly felt by the banks because of the then small mobile banking customer base. Kigen (2010) sought to determine the impact that mobile banking bore on transactional costs of microfinance institutions.

Conceptual framework



Independent variables Dependent Variable

Figure 1: Conceptual Framework

Source: Author (2018)

Convenience

Mobile financial products allow consumers the opportunity to free themselves of many time

consuming and costly activities. However, it is the between mobile interplay based financial products (such as salary payment) and the ability to withdraw cash for the system which the determines net benefit to consumers (Chakraborty, 2007). Glaessner and Klingebiel (2003) identified that for individuals, climbing the banking ladder is fundamental to greater participation in economic development. Simply reducing the risk of crime removing need by the to carry around cash is significant. Reducing the time taken to existing services and removing use some of the associated costs can also fundamentally transform people's lives. Whilst there is little systematic data on the use of mobile transactions, the anecdotal evidence is powerful.

Accessibility

Accessibility of digital banking has to do with the ease with which customers have access to financial tools, their accounts, ease of making payments from their accounts and access to money available in the accounts using various digital channels namely, online banking facilities, ATMs, POS terminals, mobile banking to mention but a few. Accessibility defines how these channels make a meaningful experience to the customers in terms of access to their funds, access to banking facilities and services and feedback. It determines whether customers find the products to be serving their needs when they want it, in a way that makes their banking convenient (Villers, 2012).

Access to information and the ease with which consumers can share views with those they know - or even 'the world' - is dramatic. Good experiences can be easily shared online as can negative ones. They also eliminate the need for buildings and office equipment. In South Africa, the DRC, Zambia and Kenya for instance, mobile phone banking is taking services to remote areas where conventional banks have been physically absent. Subscribers can now open accounts, check their balances, pay their bills, transfer money, and cater for their daily basic needs. In the past 30 years, three (3) products that are seen to have had the most impact on the world are in the ICT sector: the internet, PCs and mobile phones. Of these, the mobile phone has the highest penetration in developing countries (Ondeige, 2010).

Service Delivery

The relationship between mobile banking and operational efficiency can be discussed on two folds. enhances How technology efficiency and effectiveness in service delivery. According to CBK (2014) technology use in the banking industry enhances operational efficiency by reducing the overall costs of service delivery and improving the convenience and ease of access to services by customers. According to Okiro and Ndungu (2013) the use of technology in service delivery in the banking services reduces the costs of accessing services by customers while enhancing the services accessible by the customer without visiting the bank branch. For example, a customer can access their balance, transfer funds, withdraw funds, pay school fees, pay for bills and shopping, borrow from a bank and many other transactions at the comfort of their homes or offices (Nyangosi et al., 2009). Operational efficiency will be enhanced by reducing costs of service delivery and enhancing ease of access to services

Cost

The transaction costs of sending money through the mobile payment technology are lower than those of banks and money transfer companies (Omwansa, 2009). The cost of a payment transaction has a direct effect on consumer adoption if the cost is passed on to customers (Mallat, 2007). Transaction costs should be low to make the total cost of the transaction competitive. The cost of the mobile payments should be affordable to most of the micro business operators and far below what the banks normally charge for their bank transactions. There are many different mobile handsets which are easy to operate and have the functionalities required for the mobile payment technology.

METHODOLOGY

The research was conducted as an exploratory research. This was because the research was aimed at discovering insights on the role of mobile banking in financial performance SME in Kakamega County. Kothari (2012) defines a research design as the arrangement of conditions for collection and analysis of data in a manner that aims to combine relevance to the purpose of the research with economy in the procedure. The population of study for this research comprised of the 5521 SMEs that provided financial services within the Kakamega County. There were a total of 1857 medium sized and 3664 small sized enterprises offering financial services in the Kakamega County. The researcher sought to examine a sample of 373 respondents drawn from small and medium enterprises in Kakamega County giving. A proportion of the sample size was computed and this proportion was used to determine the number of respondents in each stratum to be examined. Questionnaires were used for collecting information from SMEs entrepreneurs. The questionnaires were semi-structured (open and closed ended questions). The open ended questionnaires were used to collect qualitative data while the close ended ones were used to get quantitative data. Data capturing was done using Excel software. The data from the completed questionnaires were cleaned, coded and entered into the computer using the statistical package for social sciences (SPSS) for Windows analysis. Regression model facilitated description and explanation of the study findings. The regression model used was; $Y = \alpha + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \beta_4 X_4$

Where Y is the dependent variable (SMEs financial performance)

 β_0 Regression constant. It is the value of Y when X1=X2=X3=X4=0

 $\beta_{\mbox{\tiny 1-4}}$ is the regression coefficients of independent variables

X₁ is Accessibility

X₂ is Cost

X₃ is Convenience

X₄ is Service Delivery Efficiency

Table 1: Mobile Banking Services Accessibility

The test of significance for the regression model was determined using ANOVA.

RESULTS

Mobile Banking Services Accessibility

To assess the extent of mobile banking services accessibility, a set of six statements were formulated. The respondents were asked to indicate the extent of agreement with each of the accessibility of mobile banking services.

No	Accessibility	SD	D	U	Α	SA	Range	Mean	Std Dev
1	Mobile banking services are clear								
	and understandable in accessing	2.2%	2.5%	5%	27.7%	62.6%	4.0	4.5	.88
	information	(7)	(8)	(16)	(88)	(199)			
2	The design of mobile device								
	application used in mobile						4.0	4 4 5	07
	banking considers various	1.3%	3.8%	6%	24.8%	64.2%	4.0	4.45	.87
	personal abilities of the user	(4)	(12)	(19)	(79)	(204)			
3	Mobile banking services give the								
	user full control of banking	1.3%	3.5%	10.1%	21.1%	64.2%	4.0	4.46	.86
	transaction	(4)	(11)	(32)	(67)	(204)			
4	Interaction with mobile banking								
	services does not require a lot of	4.7%	6.3%	12.9%	23.9%	50.9%	4.0	4.43	.89
	mental effort	(15)	(20)	(41)	(76)	(162)			
5	It is easy to use mobile banking								
	services to accomplish my	0.9%	6.9%	9.1%	54.7%	28.3%	5.0	4.13	1.16
	banking tasks	(3)	(22)	(29)	(174)	(90)			
6	Using mobile banking services	2.2%	2.5%	5%	27.7%	62.6%	4.0	4.02	05
	does not require special training	(7)	(8)	(16)	(88)	(199)	4.0	4.02	.85

From Table 1, majority of the sample respondents 62.6% (199) strongly agreed that mobile banking services were clear and understandable in accessing information and additional 27.7% (88) agreed with a mean of 4.5 and standard deviation of 0.88 indicating that there was some deviation from mean. Similarly, 64.2% (204) of the sampled respondents from sampled SMEs strongly agreed that the design of mobile device application used in mobile banking considers various personal abilities of the user and 24.8% (79) agreed with a mean of 4.45 and standard deviation of 0.87.

In regard to mobile banking services giving the user full control of banking transaction, 64.2% (204) of the respondents strongly agreed and 21.1% (67) agreed with a mean of 4.46 and standard deviation of 0.86 implying that there was some deviation from the mean. Half of the respondents (50.9%) strongly agreed that interaction with mobile banking services did not require a lot of mental effort and 23.9% (76) of them agreed with a mean of 4.43 and standard deviation of 0.89.

It was revealed that 54.7% (174) and 28.3% (90) of the respondents agreed and strongly agreed respectively that it was easy to use mobile banking services to accomplish their banking tasks. However, a mean of 4.13 and standard deviation 1.16 implies that there is significant deviation from the mean. Lastly, most of the respondents agreed that using mobile banking services did not require special training as indicated by 62.6%(199) of the respondents who strongly agreed and 27.7%(88) who

Table	2:	Mobile	Banking	Services	Cost
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agreed. A mean of 4.02 and standard deviation of 0.85 implied that there was some deviation from the mean.

Mobile Banking Services Cost

To assess extent of mobile banking services cost, a set of six statements were prepared. The respondents were asked to indicate the extent of agreement with each of the mobile banking services cost statements. The relevant results were presented in Table 2.

No	Cost	SD	D	U	Α	SA	Range	Mean	Std Dev
1	Affordable cost of SIM	0.0%	6.3%(20)	1.3%	50.9%	41.5%	л	4.2	0.0
	Card			(4)	(162)	(132)	4	4.2	.98
2	Easy replacement of SIM	3.8%	11%	5%	57.5%	22.6%	л	20	1.0
	card	(12)	(35)	(16)	(183)	(72)	4	5.0	1.0
3	Affordable cost of	1.3%	4.7%	2.5%	64.8%	26.7%			
	sending or receiving	(4)	(15)	(8)	(206)	(85)	4	4.1	.76
	money								
4	The transaction cost are	7.5%	8.8%	5%	36.2%	42.5%	л	2.0	1 0
	affordable	(24)	(28)	(16)	(115)	(135)	4	3.9	1.2
5	The operation cost are	11%	9.1%	19.8%	21.4%	38.7%	л	26	1 0
	affordable	(35)	(29)	(63)	(68)	(123)	4	5.0	1.5
6	Affordable cost of	3.8%	3.8%	18.9%	19.8%	53.8%	л	1 1	1 1
	accessing bank accounts	(12)	(12)	(60)	(63)	(171)	4	4.1	1.1

From Table 2, 50.9% (162) and 41.5% (132) of the respondents agreed and strongly agreed respectively that SIM card were offered at affordable cost with a mean of 4.2 and standard deviation of 0.98 implying that there was significant deviation from mean. Majority of the respondents confirmed that it was easy to replace SIM Card as indicated by 57.5% (183) of the respondents who agreed and 22.6% (72) who strongly agreed with a mean of 3.8 and standard deviation of 1.1. In regard to Affordable cost of sending or receiving money, 64.8% (206) and 26.7% (85) of the respondents agreed and strongly agreed respectively that it was affordable to send and receive money via mobile bank. A mean of 4.1 and standard deviation of 0.76 implied that there was some deviation from the mean. It was also revealed that 19.8% (63) of the sampled respondents agreed it was affordable to access bank accounts and 53.8% (171) agreed with a mean of 4.1 and standard deviation of 1.1 implying there was some deviation from the mean. However, there was mixed view on transaction cost and operation cost. The study results revealed that 21.4% (68) and 38.7% (123) of the respondents agreed and strongly agreed that operation cost were affordable even though 19.8% (63) of the respondents were undecided. A standard deviation of 1.3 implied there was great deviation from the mean of 3.6. Similarly, 36.2% (115)and 42.5% (135) of the respondents agreed and strongly agreed that the transaction cost were affordable with a mean of 3.9 and standard deviation of 1.2

Mobile Banking Services Convenience

To determine the extent of mobile banking services convenience, a set of six statements were formulated. The respondents were asked to indicate

Table 3: Mobile Banking Services Convenience

the extent of agreement with each of the convenience of mobile banking statements. The pertinent results were presented in Table 3.

No	Mobile banking service	SD	D	U	Α	SA	Range	Mean	Std Dev.
	convenience						_		
1	Using mobile banking would								
	make it easier for me to carry	11.3%	1.3%	0.9%	35.5%	50.9%	4.00	4.13	1.25
	out my tasks	(36)	(4)	(3)	(113)	(162)			
2	Time taken to transact								
	business with mobile banking	13.2%	12.9%	7.9%	17.3%	48.7%	4.00	3.75	1.48
	is short	(42)	(41)	(25)	(55)	(155)			
3	There is prompt updates			3.8%	41.6%	54.7%	2 00	1 10	0.00
	through messages	0.0%	0.0%	(12)	(132)	(174)	2.00	4.40	0.88
4	No additional documents								
	needed to transact except the	9.7%	14.2%	20.1%	21.4%	34.6%	4.00	3.56	1.34
	phone	(31)	(45)	(64)	(68)	(110)			
5	There is convenient timings		9.7%	18.9%	23.3%	48.1%	2 00	4.0	1 1 5
	as it is a 24 hour service	0.0%	(31)	(60)	(74)	(153)	5.00	4.0	1.15
6	Using Mobile banking would								
	enable me to accomplish my	7.5%	10.7%	23%	19.8%	39%	4.00	3.7	1.28
	tasks more quickly	(24)	(34)	(73)	(63)	(124)			

The results in Table 3, 35.5% (113) and 50.9% (162) of the respondents agreed and strongly agreed respectively that using mobile banking would make it easier for them to carry out their tasks with a mean of 4.13 and standard deviation of 4.13. This implied that there was significant deviation from the mean. The results also revealed that 48.7% (155) of the respondents strongly agreed and additional 17.3% (55) agreed that time taken to transact business with mobile banking was short. A mean of 3.75 and standard deviation from the mean.

Majority of the respondents confirmed that there were prompt updates through messages of which 41.6%(132) of the respondents agreed and 54.7%(174) strongly agreed with a mean of 4.46 and standard deviation of 0.88. It was noted that 21.4%(68) and 34.6%(110) of the respondents agreed and strongly agreed that there were no additional documents needed to transact except the phone

although 14.2% disagreed and 9.7% (31) strongly disagreed with mean 3.56 and standard deviation of 1.15.

The results further revealed that 48.1% (153) of the respondents agreed that using mobile banking offered convenient timings as it was a 24 hour service and 23.3% (74) agreed although 18.9%(60) were undecided with a mean of 4.0 and standard deviation of 1.15. Lastly, 19.8% (63) and 39%(124) of the respondents agreed and strongly agreed respectively that using Mobile banking would enable them to accomplish my tasks more quickly with a mean of 3.7 and standard deviation of 1.28. This suggested that there was significant deviation from the mean.

Mobile Banking Service Delivery Efficiency

To determine the extent of mobile banking service delivery efficiency, a set of six statements were prepared. The respondents were required to state the extent of agreement with each of the service delivery efficiency of mobile banking statements. The

relevant results were presented in Table 4.

	Service Delivery Efficiency	SD	D	U	Α	SA	Range	Mean	Stdev
1	Enhance service quality in your	0.6%	8.8%	21.1%	35.2%	34.3%	4.00	2 0 2	00
	business	(2)	(28)	(67)	(112)	(109)	4.00	5.95	.90
2	Enlightening of customers on	1.3%	14.2%	18.2%	24.8%	41.5%	4 00	2 01	1 1 2
	technological issues	(4)	(45)	(58)	(79)	(132)	4.00	3.91	1.12
3	Shortens duration of service	0.9%	11.3%	19.2%	13.2%	55.3%	4 00	4 10	1 1 2
	delivery	(3)	(36)	(61)	(42)	(176)	4.00	4.10	1.12
4	It has helped me to shift from								
	insecure and unsafe ways of	1.3%	5.3%	19.5%	13.5%	60.4%	4.00	4.26	1.02
	savings that I previously used.	(4)	(17)	(62)	(43)	(192)			
5	Use of mobile banking has								
	increased customer satisfaction	4.1%	4.4%	10.1%	51.3%	30.2%	4.00	3.99	.97
	in service delivery	(13)	(14)	(32)	(163)	(96)			
6	Mobile money transfer								
	functions are reliable and	3.5%	8.8%	10.7%	61%	16%	4.00	3.77	.93
	efficient	(11)	(28)	(34)	(194)	(51)			

 Table 4: Mobile Banking Service Delivery Efficiency

From the table, 35.2% (112) and 34.3% (109) of the sampled respondents agreed and strongly agreed respectively that mobile banking enhances service quality in their business with a mean of 3.93 and standard deviation of 0.98. This implied, there was significant deviation from the mean. The results also revealed that 41.5% (132) of the respondents strongly agreed that mobile banking had led to enlightening of customers on technological issues while 24.8% (79) of them agreed. A mean of 3.91 and standard deviation of 1.12 revealed that there was great deviation from the mean. In regard to service delivery duration, more than half of the respondents 55.3% (176) strongly agreed that mobile banking had resulted shortening duration of service delivery and additional 13.2%(42) agreed. A mean of 4.10 and standard deviation of 1.12 suggests that there was significant deviation from the mean.

The results also revealed that 13.5% (43) and 60.4% (192) agreed and strongly agreed respectively that mobile banking had helped me to shift from insecure

and unsafe ways of savings that I previously used. A mean 4.26 and standard deviation of 1.02 implied that there was great deviation from the mean. In relation to customer satisfaction, more than half of the respondents 51.3% (163) agreed that use of mobile banking had increased customer satisfaction in service delivery and further 30.2%(96) strongly agreed. A mean of 3.99 and standard deviation of 0.97 implies that there was some deviation from the mean. Lastly, 61%(194) and 16%(51) of the respondents agreed and strongly agreed respectively that mobile money transfer functions were reliable and efficient with a mean of 3.77 and standard deviation of 0.93.

SMEs Financial Performance

Financial performance in this study was used as dependent variable in this study. It was measured in terms of return on investments, growth of SMEs, customer satisfaction and net profits. The relevant results were presented in Table 5.

Table 5: SMEs Financial Performance

Financial Performance	SD	D	U	Α	SA	Range	Mean	Std
								Dev

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1	The capital base of the								
	business has consistently	1.3%	2.8%	4.4%	34.6%	56.9%	4.00	4.43	.81
	increased.	(4)	(9)	(14)	(110)	(181)			
2	The customer services has								
	improved with increase in	1.9%	2.8%	4.1%	35.8%	55.3%	4.00	4.39	.84
	mobile banking	(6)	(9)	(13)	(114)	(176)			
3	The level of overdue balances			11.9					
	have reduced	7.5%	7.5%	%	43.1%	29.9%	4.00	3.80	1.16
		(24)	(24)	(38)	(137)	(95)			
4	The cost of doing business has	2.2%	8.5%	8.8%	30.2%	50.3%	4 00	4.17	1 0 4
	reduced	(7)	(27)	(28)	(96)	(160)	4.00	92	1.04
5	There is increase in revenue as			11.9					
	a result of mobile banking	8.5%	9.7%	%	41.5%	28.3%	4.00	3.71	1.21
		(27)	(31)	(38)	(132)	(90)			
6	The customer base has			10.7					
	increased due to mobile	1.9%	3.1%	%	29.9%	54.4%	4.00	4.31	.92
	banking	(6)	(10)	(34)	(95)	(173)			

From Table above, 34.6% (110) and 56.9% (181) of the respondents agreed and strongly agreed respectively that the capital base of the business had consistently increased due to utilization of mobile banking services with a mean of 4.43 and standard deviation of 0.81. The results also revealed that 35.8% (114) and 55.3%(176) of the respondents agreed and strongly agreed respectively that customer services has improved with increase in mobile banking with a mean of 4.4 and standard deviation of 0.85.

It was also noted that 43.1% (137) of the respondents agreed that the level of overdue balances had reduced due to mobile banking services and further 29.9%(95) strongly agreed with a mean of 3.8 and standard deviation of 1.2. The cost of doing business

has reduced as indicated by half of the respondents who strongly agreed and 30.2%(96) who agreed with a mean of 4.2 and standard deviation of 1.0. Small majority of the respondents 28.3%(90) strongly agreed that there is increase in revenue as a result of mobile banking and 41.5%(132) of the respondents agreed with a mean of 3.7 and standard deviation of 1.2. Lastly, 29.9%(95) and 54.4%(173) of the respondents agreed and strongly agreed respectively that he customer base has increased due to mobile banking with a mean of 4.3 and standard deviation of 0.92

Mobile Banking Services Used

The respondents were also required to state various mobile banking services used. The responses are as shown in Table 6.

Mobile Services	Frequency	Percentage
Buying airtime through mobile phone	314	98.7
Saving (depositing) into mobile banking	302	95
Withdrawing from mobile banking	294	92.5
Sending money	318	100
Receiving money	318	100
Checking account balance with the bank	318	100
Checking account balance in the mobile transfer account	318	100
Paying bills	225	70.8

Table 6: Mobile Banking Services

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Knowing when I receive deposits into mobile banking				318		100
Knowing when I receive deposits in the bank				318		100
Viewing bank account statement				230		72.3
Accessing Credit Facilities (Loans)				209		65.7
From Table 6, all of the sampled respondents used	mobile	phone,	saving	(depositing)	into	mobile
their mobile for sending money, receiving money.	banking	302(95%	6) and	withdrawing	from	mobile

their mobile for sending money, receiving money, checking account balance with the bank, checking account balance in the mobile transfer account; knowing when they receive deposits into mobile banking and knowing when receive deposits in the bank. Further, 314(98.7%) of the respondents used their mobile phones for buying airtime through mobile phone, saving (depositing) into mobile banking 302(95%) and withdrawing from mobile banking 294(92.5%). However, the following service were used by less than three quarters of the respondents, paying of bills (70.8%), Viewing bank account statement (72.3%) and accessing credit facilities (65.7%).

Table 7: Correlation Matrix

	Ν	Mean	Std Dev.	Accessibility	Cost	Convenience	Efficiency
Accessibility	318	4.47	0.75	1			
Cost	318	1.91	0.72	548 ^{**}	1		
Convenience	318	3.90	0.63	.337**	559 ^{**}	1	
Efficiency	318	3.97	0.91	.475 ^{**}	515**	.642**	1
Performance	318	4.4214	.73561	.704 ^{**}	660**	.524**	.607**

**. Correlation is significant at the 0.01 level (2-tailed).

The results indicated that the mobile banking services accessibility had a positive and significant effect on the SMEs performance ($r = .704^{**}$). However, cost of mobile banking service had a negative and significant on the SMES performance ($r = -.660^{**}$). On the other hand, convenience of mobile banking services has a positive and significant effect on the SMEs performance ($r = .524^{**}$). Lastly, efficiency of service

delivery had positive and significant effect on the SMEs performance (r = .607**). This implied that the mobile banking services used in this study were all having a significant positive effect on the performance of SMEs in Kakamega County. However, there was variation in the magnitude of their effect on the financial performance as accessibility had greatest effect followed by cost although it was negative while the rest were positive.

R	R ²	Adjusted R ²	df	F	Sig.
.808a	.652	.636	(4,317)	146.753	.000 ^b
	1			· · · · · · · · · · · · · · · · · · ·	

a. Predictors: (Constant), Accessibility, Cost, Convenience and Service delivery efficiency

b. Dependent Variable: SMEs financial performance In Table 8, the findings established that the linear relationship between SMEs Performance and the four predictor variables; accessibility, cost, convenience and service delivery efficiency was positive and significant. The coefficient of correlation was 0.808,

(r=0.808). The coefficient of determination (r^2) was 0.652, and this showed that 65.2% of the variations in the performance can be explained by the four predictor variables in the study and the remaining 34.6% of the variations in SMEs financial performance

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was explained by other factors not captured in the model.

From the ANOVA results the F test gave a value of F (4, 317) =146.753, p < .01, which was large enough to

support the goodness of fit of the model in explaining the variation in the dependent variables. It also means Mobile banking services is a useful predictor of performance.

	Unstandardized Coefficients		Standardized Coefficients		
	В	Std. Error	Beta	t	Sig.
(Constant)	1.934	.315		6.147	.000
Accessibility	.423	.041	.430	10.334	.000
Cost	269	.047	263	-5.773	.000
Convenience	.120	.054	.104	2.224	.027
Service delivery efficiency	.162	.038	.201	4.288	.000

Table 9: Coefficients of the Independent Variables and Performance

Dependent Variable: SMEs Financial performance

From Table 9, all independent variables carried a significant positive predictive power except for cost which had negative power. The intercept value for financial performance was 1.934 this implied that if mobile banking services (Accessibility, Convenience, Cost and Service delivery efficiency) was held at zero or it was absent, the SMEs performance would be significantly 1.934, p=0.000. This implied that, the financial performance would be positive and significant.

The partial regression coefficient of accessibility was 0.423 this showed that when convenience, cost and service delivery efficiency were controlled, accessibility with a beta of 0.423 was at statistically significant level and was a good predictor of performance through adoption of mobile banking services implying that an increase in mobile banking services accessibility by one unit will result to significant increase in performance by 0.423.

However, the partial regression coefficient of Cost was -0.269 this showed when convenience, service delivery efficiency and accessibility were controlled; cost with a beta of -.269 is at statistically significant level and is a good predictor of performance through adoption of mobile banking implying that an increase

in cost by one unit will result to significant decrease in financial performance by 0.269.

On the other hand, the partial regression coefficient of convenience was 0.120 this showed when service delivery efficiency, cost and accessibility are controlled; Convenience with a beta of 0.120 was at statistically significant level and was a good predictor of SME financial performance through adoption of mobile banking implying that an increase in mobile banking services convenience by one unit will result to significant increase in performance by 0.120, p=0.027

Lastly, the partial regression coefficient of Service delivery efficiency was 0.162. When convenience, cost and accessibility were controlled; service delivery efficiency with a beta of 0.162 was at statistically significant level and was a good predictor of performance through adoption of mobile banking services implying that an increase in Service delivery efficiency by one percent would result to significant increase in financial performance by 0.162.A regression of the four predictor variables against financial performance established the multiple linear regression model. Financial Performance = 0.286 + 0.423AC-0.269CO+0 .120CV+0.162SDE Where **AC**: Accessibility

CO: Cost

CV: Convenience

SDE: Service delivery efficiency

Overall, multiple linear regression indicated that Mobile banking services had significant effect on performance of SMEs in Kakamega County. All the four Mobile banking services identified in this study had strong effect on the performance of SMEs in Kakamega County. The findings of this study concur with various previous studies. Nyaga (2013) established that mobile banking services have a positive impact on sales. Efficiency and reliability contribute more to mobile money utility and SMEs growth in Kenya.

Testing for Null hypotheses

The first null hypothesis posits H_{01} :There is no significant relationship between mobile banking services accessibility and financial performance of SMEs in Kakamega County. The alternative hypothesis was H_{A1} : There is significant relationship between mobile banking services accessibility and financial performance of SMEs in Kakamega County. This hypothesis was tested using P<0.05, β ($\beta \neq 0$) and $t \neq 0$. From the results, the T-test Statistics results was t=17.624; P=0.000<0.05 and Beta Standardized Coefficient results (β_1 =0.693) and P=0.000<0.05. Therefore, the first null hypothesis was rejected as there exists a significant effect of accessibility of mobile banking services on financial performance of SMEs in Kakamega County.

The second null hypothesis posits H_{02} :There is no significant relationship between mobile banking services cost and financial performance of SMEs in Kakamega County. The alternative hypothesis was H_{A2} : There is significant relationship between mobile banking services cost and financial performance of SMEs in Kakamega County. The verdict was arriving by considering P<0.05, $\beta \neq 0$ and t $\neq 0$. From the results, the T-test Statistics yielded t=-15.602; P=0.000<0.05 and Beta Standardized Coefficient results (β =-0.676) and P=0.000<0.05. Therefore, there was sufficient evidence to reject the second null hypothesis since there exists a significant effect of mobile banking services cost on financial performance of SMES in Kakamega County.

The third null hypothesis posits H_{03} :There is no significant relationship between mobile banking services convenience and financial performance of SMEs in Kakamega County. The alternative hypothesis was H_{A3} : There is significant relationship between mobile banking services convenience and financial performance of SMEs in Kakamega County. This hypothesis was tested using P<0.05, β ($\beta \neq 0$) and t $\neq 0$. From the results, the T-test Statistics results was t=10.951; P=0.000<0.05 and Beta Standardized Coefficient results (β_1 =0.608) and P=0.000<0.05. Therefore, the third null hypothesis was rejected as there exists significant effect of Convenience on financial performance of SMES in Kakamega County.

The fourth null hypothesis posits H_{04} : There is no significant relationship between mobile banking services delivery efficiency and financial performance of SMEs in Kakamega County. The alternative hypothesis was H_{A4}: There is no significant relationship between mobile banking services delivery efficiency and financial performance of SMEs in Kakamega County. The verdict was arriving by considering P<0.05, $\beta \neq 0$ and $t \neq 0$. From the results, thet-test Statistics yielded t=13.577P=0.000<0.05 and Beta Standardized Coefficient results (B=0.489) and P=0.000<0.05. Therefore, there was sufficient evidence to reject the fourth null hypothesis since there exists a significant effect of service delivery efficiency on financial performance of SMES in Kakamega County.

CONCLUSION

On mobile accessibility, the null hypothesis was rejected as there is significant relationship between accessibility of mobile banking and financial performance of SMEs in Kakamega County. The study concluded that mobile banking service accessibility haspositive significant effect on financial performance of SMEs in Kakamega County.

On cost of mobile banking services and financial performance the null hypothesis was rejected as there is significant relationship between cost of mobile banking services and financial performance of SMEs in Kakamega County.

On convenience of mobile banking services and financial performance the null hypothesis was rejected as there is significant relationship between convenience of mobile banking and financial performance of SMEs in Kakamega County.

On service delivery efficiency and financial performance the study concluded that mobile banking service delivery efficiency has significant effect on financial performance of SMEs in Kakamega County

RECOMMENDATIONS

There is need for mobile companies and other companies offering mobile banking services to design mobile banking applications and services that are easy to use by all customers regardless of their social status. These applications will make users feel they are reaping maximum benefit from mobile banking due to easiness of accessibility which will lead to increase of frequency of usage thereby resulting to increase in performance The government should come up with regulations which will make the cost of access internet and other mobile services affordable to most customers. This will make sure that most SMEs are not locked out from using mobile banking applications and services as a result of taxations and other levies which government imposes so as to raise revenue.

The study recommended that mobile content provider who are tasked with coming up with applications that run on mobile devices which form platform for mobile banking services should design applications that individual have the ability to customize them based on their ability, privacy and security. Further, the study recommended that there is need for financial institutions requiring little document to complement mobile banking information during mobile banking transactions.

The study recommended the mobile banking services should be more reliable and efficient in terms of mobile network accessibility so that transaction can be conducted at anytime and anyplace.

Suggestion for Further studies

Further study should be conducted with inclusion of either moderating, intervening or mediation variables to find out what effect they have over and above mobile banking services on financial performance of SMEs such as government policies and regulation. Besides, a study on mobile banking services should be carried out to investigate it effect on the growth of SMEs in Kenya as most studies have not considered role of mobile banking on the growth of SMEs in Kenya.

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