MONEY REMITTANCE FACTORS AFFECTING THE GROWTH OF FINANCIAL SECTOR IN THE KENYAN ECONOMY

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ABSTRACT

The general objective of this study was to determine the money remittance factors affecting the growth of financial sector in the Kenyan economy. The specific objectives of this study were: To establish the effect of CBK regulations of money remittance companies on the growth of financial sector in the Kenyan economy, determine the effect of the number of money remittance outlets on the growth of financial sector in the Kenyan economy, find out the effect of volume of transactions for licensed money remittance companies on the growth of financial sector in the Kenyan economy, determine the effect of money laundering on the growth of financial sector in the Kenyan economy and to determine the moderating effect of political stability on the relationship between money remittance factors and the growth of financial sector in the Kenyan economy. The pure Altruism, tempered altruism and the pure self-interest theory informed this study. This study adopted a descriptive research design. The population of this study consisted of all the 14 money remittance companies operating in Nairobi as at 31st June 2016. Both primary and secondary data was used; however, primary data sources was used as the main data collection repository. In order to obtain primary data, a set of semi structured questionnaires were administered to senior management of the money remittance companies. Secondary data were collected from the financial statements of remittance companies. Reliability testing and validity testing was undertaken to ascertain the soundness of the instruments. After tabulating and analyzing data collected, analytical model was estimated to constitute the general analytical model equation as well as the analytical equation for the moderating variable. Various diagnostic tests on the data were conducted, these tests entail: normality Test, multicollinearity test, autocorrelation and homoscedasticity. Also, substantive tests such as regression and correlation analysis were conducted. SPSS software version 21 was used for the process of data analysis and report processing. The coded, tabulated and classified data was subjected to quantitative analysis. Quantitative data was presented in through statistical techniques such as pie charts, tables and bar charts while descriptive data was be presented descriptively. The study found a positive relationship between the CBK regulations and the growth of licensed remittance companies in Kenya and that CBK regulations significantly affected the growth of licensed remittance companies in Kenya. The study also found a positive relationship between the number of money remittance outlets and growth of the licensed money remittance companies in Kenya. The study further established that volume of transactions for licensed money remittance companies didn’t affect the growth of licensed remittance companies in Kenya. The relationship between money laundering and growth of money remittance companies in Kenya was established to be negative. The research recommends that the Central bank of Kenya should maintain control over the standardized practices of these money remittance companies since is MRCs are likely to flourish best when the general legal framework in which it operates is sound,
predictable, non-discriminatory and proportionate. Money remittance companies were also recommended to establish anti-money laundering (AML) measures since the risk of detection has become greater for those seeking to use the global banking system to launder criminal proceeds. Further research is suggested on the effect of number of money remittance outlets on the potential impact of emerging technologies on money remittances in Kenya.

**Key Words:** money remittance, growth, financial sector, Kenyan economy

**INTRODUCTION**

The World Bank estimates that remittances to developing countries were at $436 billion in 2014, a 4.4 percent increase over the 2013 level (World Bank, 2015). Recent research shows that these remittances are as important as direct investment flows and have grown at a faster rate than the amount of official development assistance (Bouoiyour et al., 2015)). While remittances have gained increasing interest from both economists and policy makers, there is far less consensus about the factors which influence remittances in migrant-sending areas and countries.

Remittance inflows into Sub-Saharan Africa are not only from developed countries. It is estimated that about 20% of Sub-Saharan African migrants are within the region and also remit regularly (Barajas et al., 2010). As at end 2006, 33% of remittance inflows within Sub-Saharan Africa were from South Africa, 18% from Cote D’Ivoire, 11% from Uganda, 7% from Angola, 4% from Botswana and 27% from other sources in the region (Migration Policy Institute, 2006). It is not clear whether money remittance factors affect economic growth in Kenya and if they do, what the nature of such effect can be. This thesis argues from a standpoint view that money remittance factors do not affect the growth of the financial sector and that consecutive references unto these factors are an unnecessary waste of time and resources.

**STATEMENT OF THE PROBLEM**

Remittances are Kenya’s largest source of foreign exchange, ahead of tea, horticulture and tourism. Remittances in Kenya averaged $79,815,980 from 2004 until 2017, reaching an all time high of $185503870 in October 2017 and a record low of $25,154,000 in January 2004 (CBK, 2017). Overall, remittances in Kenya have been on the rise over the years. While money remittance remains a hot topic of discussion as above shown by the promising performance index of the sector, CBK regulations, the number of outlets in place, the volume of transactions and money laundering issues remain some of the factors that influence the performance of the sector and it is not well documented not adequately researched on the effect such factors have on the sector. The formulation of new rules on anti-Money Laundering and Financing of Terrorism standards by the CBK are in most cases seen as part of the regulator’s effort to curb money laundering, require operators of cash remittance firms to register with CBK and pay a Sh5 million licensing fee in addition to maintaining a minimum core capital of Sh20 million (CBK
2014). Financial sector experts said the rules are targeted at Hawala, a system of money remittance that involves transfer of cash without any records of the parties involved in the transactions. Hawala, which is widely popular in the Middle East and parts of Asia, has been gaining popularity in Kenya, particularly as a money remittance system for residents of Eastleigh Estate in Nairobi who mostly receive money from friends and relatives mainly in Somalia and further across the globe (CBK, 2014). However, trading using the hawala system still remains informal and this raises questions regarding the safety and intended nature of transactions which are conducted therein, some of which might have sinister motives such as money laundering and financing of terrorist activities. The informal nature of the system also translates to the lack of appropriate legislation which leaves the sector unregulated. Several studies have been conducted so far. Ontunya (2006) conducted a survey of consumer adoption of mobile phone banking in Kenya; Otieno (2008) did a study on the challenges in the implementation of mobile banking Information systems in commercial banks in Kenya; Macharia (2009) studies the commercial banks perception of the influence of mobile telephones on growth of banking business in Kenya while Mutua (2009) did a study on mobile banking as a strategic response by Equity Bank Kenya limited to the challenge in the external environment. All this studies and many more have failed to unveil the effect of money remittance factors on the growth of licensed remittance companies in Kenya. It is against this background that this study seeks to determine the effect of money remittance factors on the growth of licensed remittance companies in Kenya.

**GENERAL OBJECTIVE**

To determine the effect of money remittance factors affecting the growth of financial sector in the Kenyan economy.

**SPECIFIC OBJECTIVES**

1. To establish the effect of CBK regulations of money remittance companies on the growth of financial sector in the Kenyan economy.
2. To determine the effect of the number of money remittance outlets on the growth of financial sector in the Kenyan economy.
3. To find out the effect of volume of transactions for licensed money remittance companies on the growth of financial sector in the Kenyan economy
4. To determine the effect of money laundering on the growth of financial sector in the Kenyan economy
5. To determine the moderating effect of political stability on the relationship between money remittance factors and the growth of financial sector in the Kenyan economy
RESEARCH HYPOTHESIS

H₀₁: CBK regulations of money remittance companies do not affect the growth of financial sector in the Kenyan economy

H₀₂: The number of money remittance outlets does not affect the growth of financial sector in the Kenyan economy

H₀₃: The volume of transactions for licensed money remittance companies does not affect the growth of financial sector in the Kenyan economy

H₀₄: Money laundering does not affect the growth of financial sector in the Kenyan economy

H₀₅: Political stability does not have a moderating effect on the relationship between money remittance factors and the growth of financial sector in the Kenyan economy

THEORETICAL FRAMEWORK

A number of studies on remittances and migration analyze the factors that influence the decision of persons abroad to transfer funds to their countries of origin which make up the recipient countries. Lucas and Stark (1985) and Stark (1991) therefore make an important effort to come up with a systematic theory of remittances for less developed countries. These theories are classified into pure Altruism, tempered altruism and pure self-interest or enlightened self-interest.

Pure Altruism Theory

The Pure Altruism theory highlights that migrants remit money back home in concern of the welfare of the remaining family members (Hagen-Zanker & Siegel, 2007). Chami et al. (2003) report that in this model, the migrant’s utility is derived from that of his/her family back home. The migrant is rather satisfied when the welfare of his family back home is better off (OECD, 2006). This implies that the migrant is motivated to remit more funds to his family when there are unfavourable economic conditions holding in the home country. The theory observes that remittances are “compensatory transfers” since they increase when the migrant’s home country is faced with economic disruptions such as droughts and a financial crisis (Chami et al., 2003). In order for the migrant to remit more funds, the economic disruptions or “bad luck”, a term used by Chami et al. (2003), must be creating a shortfall for the remaining family. As a result, the compensatory nature of remittances under the Pure Altruism model implies that remittances are countercyclical, that is, they increase during times when there is deterioration in economic conditions in the business cycle (Vargas-Silva, 2008; Chami et al., 2003). Also commenting on behavioural patterns of remittances under a Pure Altruism model, Brown (2006) suggests that there is an inverse relationship between the volumes of remittances and economic conditions holding in the home country. Under this model, favourable economic conditions in the home country would imply a reduction in the volume of remittance inflows.
Pure Self Interest Theory

The Pure Self Interest theory is modelled around the argument that remittances are not always countercyclical. There are some instances or contexts where volumes of remittances reduce following poor economic conditions in the recipient country. In such a case, there is no inverse relationship between volumes of remittances and the economic performance of the home country (Brown, 2006). In fact, there might be a positive correlation between volumes of remittances and economic performance of the home country where bad economic conditions may result in low volumes of remittances. Such behavioural patterns have led to the formulation of the Pure Self Interest theory. Lucas and Stark (1985) claim that migrants’ self-interest can be one other motive for remittances. In this context, migrants remit money in order for them to invest or inherit in assets back home and also for them to return home with dignity. When there is deterioration in economic performance of the home country; migrants are most likely to remit less since the situation will have a negative impact on both investible and inheritable assets. There is most likely to be an increase in the volumes of remittances if the home economy is undergoing a favourable spell.

Tempered Altruism Theory

In 1985, Stark and Lucas advanced a tempered altruistic theory of remittances as a result of the inability of the two theories above to sufficiently explain the nature of remittances. This theory states that remittances are part of an inter-temporal and mutually beneficial contractual plan that is established between the migrant and the household in the recipient country with the prospect of carrying out investments and taking some risks. The family in the recipient country educates the migrant worker and anticipates yields in the form of remittances as they consider the education as their investment (Stark & Lucas, 1985). This indicates that remittances for educated migrants are greater than those of in-laws or even spouses. It is noted that less developed countries’ insurance markets and financial markets are not well established and proceeds particularly from agriculture are greatly declining. As a result, migration is seen as a sensible choice which makes it possible to expand and diversify the recipient family's wealth. The prevailing conditions of the economy in both the country of origin and the host country influence to some extent the flow of remittance money. When the home country is facing adverse conditions such as natural disasters, the migrant tends to remit relatively more. On the other hand when the migrant is in difficulties such as being unemployed the family at home makes some transfers to him or her. Therefore, remittances are viewed as a part of inter-temporal, mutually beneficial contractual arrangements between the migrant and the family at home country. The contractual arrangements could be co-insurance, loan repayment and exchange of services.
RESEARCH METHODOLOGY

Research Design

Research design is a roadmap of how one goes about answering the research questions (Kothari, 2004). According to Kothari (2004), a good research design has a clearly defined purpose, and has consistency between the research questions and the proposed research method. Mugenda & Mugenda (2003) define this as simply the framework or blue print for the research, Orodo (2003) define the research design as a framework for the collection and analysis of data that is suited to the research question. Orodo (2003) defines research design as the scheme, outline or plan that is used to generate answers to the research problem. This study adopted a descriptive research design. According to Mugenda and Mugenda (2003), descriptive research is a process of collecting data in order to test hypotheses or to answer questions concerning the current status of the subjects in the study. A descriptive study determines and reports the way things are. The choice of the descriptive study design is based on the fact that the research will be interested on the state of affairs already existing in the field and no variable was manipulated. This study therefore generalized the findings to a larger population.

Population

Population refers to the entire group of people or things of interest that the researcher wishes to investigate, Sekaran (2010). Mugenda and Mugenda, (2003) defines population as an entire group of individual or objects having common observable characteristic. Population is a group of individuals, or objects, or items from which a sample is taken for measurements and they have at least one thing in common (Kombo & Tromp, 2006). The population of this study consisted of all the 18 money remittance companies operating in Kenya as at 30th June 2018 as shown in appendix III. The headquarter of all the money remittance companies is in Nairobi. The population consists of all the Money remittance companies licensed and governed by the CBK Act CAP (491) 2013. A census of the 18 money remittance companies was conducted. Five respondents were picked per company as the target population in order to reduce bias that would have been caused if one respondent was to be picked per remittance company. This made the total target respondents population 90 and which formed the assessable sample as a census study was conducted.

Data Collection Instruments

Both primary and secondary data was used; however, primary data sources was used as the main data collection repository. In order to obtain primary data, a set of questionnaires was administered to senior management of the money remittance companies. Primary data was collected by use of the questionnaires with both open ended and closed ended questions which was administered to the respondents in the selected institutions. The close-ended questions provide more structured responses to facilitate tangible recommendations. The open-ended questions provided additional information that might not have been captured in the close-ended
questions. The questionnaires were dropped to the selected institutions and collected after two
days which was considered enough time for the respondents to fill them in with the help of the
research assistants. The data collection commenced after training the research assistants, pre-
testing the instruments, and obtaining an introduction letter from the university. The researcher
supervised the assistants and held feedback meetings to collect completed data and ensure the
research process is on course. Data was stored appropriately after each day’s collection to
safeguard any loss or interference.

**Data Collection Procedure**

Sekaran (2010) defines data collection as a means by which information is obtained from the
selected subjects of an investigation. A letter of introduction to NACOSTI was given to the
researcher which was used to apply for the permit from the National Council for Science and
Technology to enable the researcher to collect data from the field. Data collection involved the
use of self-administered questionnaires. The questionnaires were pre-tested to establish their
reliability and validity before conducting the study. The questionnaires were distributed by the
researcher to all the different remittance companies in Nairobi County. Further the questionnaires
were accompanied by a brief introduction of the study and purpose of the study for the
respondents to understand their purpose. According to Mugenda and Mugenda (2003), breaching
confidentiality, is a matter of concern to all respondents. In view of this, the study withheld the
names of the respondents and their respective view with utmost confidentiality.

**Data Analysis**

This section presents the conceptual and analytical models that are used to analyze data.
Operationalization of variables and their measurements is also presented together with the
diagnostic tests conducted on the data. The section crowns it all by specifying the particular ways
in which data was presented. The dependent variable for this model was expressed as a
percentage change of the stock market performance to a function of percentage changes in tax
incentives, liquidity incentives, growth incentives, visibility incentives and investors’
perceptions. The following 5 conceptual models were therefore drawn regarding the various
incentives the study seeks to investigate as follows:

- \[ G = f(CBK, R) \] ..........................(1)
- \[ G = f(NO, O) \] .................................................(2)
- \[ G = f(V, T) \] .................................................(3)
- \[ G = f(M, L) \] ..................................................(4)
- \[ G = f(CBK, R, NO, O, V, T, M, L) \] ......................(5)
Where: $G$ = Growth of money remittance companies in Kenya; $CBK.R$ = CBK Regulation; $NO.O$ = Number of remittance outlets; $V.T$ = Volume of Transactions; $M.L$ = Money Laundering

After tabulating and analyzing data collected, analytical model will be estimated. Percentage changes in dependent variable were multiplied by respective correlation coefficients and then summed up together with the error term and the constant term to arrive at percentage change in stock market investments. The analytical model that was used in the study as explained below:

$$Y = \beta_0 + \beta_1X_1 + \beta_2X_2 + \beta_3X_3 + \beta_4X_4 + \varepsilon$$

Where: $Y$ = Percentage change in growth of remittance companies in Kenya; $\beta_0$ = Constant term; $\beta$ = Correlation coefficients; $X_1$ = Percentage change in CBK regulations; $X_2$ = Percentage change in number of outlets; $X_3$ = Percentage change in volume of transactions; $X_4$ = Percentage change in money laundering; $\varepsilon$ = Error term

**RESEARCH RESULTS**

The study found out that there was a positive relationship between the CBK regulations and the growth of licensed remittance companies in Kenya and that CBK regulations significantly affected the growth of licensed remittance companies in Kenya. The study also found that remittance industry, like any other, is likely to flourish best when the general legal framework in which it operates is sound, predictable, non-discriminatory and proportionate. It clear from the study that a key form of regulation is for anti-money laundering and related purposes and involves "know your customer" requirements and recording/reporting of individual transactions. Hence there is need for the regulatory agencies to maintain control over the standardized practices of these institutions, to create transparency between banking institutions and the individuals and corporations with whom they conduct business, among other things and to help to reduce the level of risk to which bank creditors are exposed.

The study found out that there is a positive relationship between number of money remittance outlets and growth of the licensed money remittance companies in Kenya. The number of money remittance outlets does not affect the growth of licensed remittance companies in Kenya. As the results found statistically insignificant positive linear relationship between number of outlets and growth of licensed money remittance companies in Kenya even thou majority of the respondents agreed that Money remittance potential for Financial Accessibility to finances is considered a key determinant to business success.

The volume of transactions for licensed money remittance companies does affects the growth of licensed remittance companies in Kenya. This due to the findings of the study that there is a statistically significant positive linear relationship between volume of Transactions and growth of licensed money remittance companies in Kenya. The study also found that the significant advantage of an open network arrangement is its global coverage: it is possible to make a
payment between banks almost anywhere in the world. The expected volume of cross border payments therefore has to be sufficient to justify the cost of achieving straight through processing.

The study further found that the relationship between money laundering and growth of money remittance companies in Kenya is negative. Even though the relationship is negative it had significant influence on the growth of money remittance companies in Kenya. On this finding, the majority of the respondents strongly agreed that: As financial institutions majority of the organizations have put anti-money laundering (AML) measures into place since the risk of detection has become greater for those seeking to use the global banking system to launder criminal proceeds. Most organizations representing legal professionals and some academics have sometimes criticized claims that legal professionals are unwittingly involved in money laundering.

The study also established that that political stability influenced the relationship between CBK regulations, number of outlets, volume of transactions, money laundering and growth of licensed money remittance companies in Kenya.

**CONCLUSION**

The study concludes that CBK regulations affects growth of Licensed money remittance companies in Kenya. Therefore when the CBK regulations are fully implemented by the MRC they will create transparency between banking institutions and the individuals and corporations with whom they conduct business, among other things. The regulations will also help to reduce the level of risk to which bank creditors are exposed. The remittance industry, like any other, is likely to flourish best when the general legal framework in which it operates is sound, predictable, non-discriminatory and proportionate.

Moreover, the study concludes that even though there is a positive relationship between number of money remittance outlets and growth of money remittance companies in Kenya, the relationship is insignificant.

The study also concludes that growth of money remittance companies in Kenya was significantly affected by volume of Transactions which was statistically significant. The significant advantage of an open network arrangement is its global coverage: it is possible to make a payment between banks almost anywhere in the world.

Finally, the study concludes that Money Laundering was found to significantly and negatively affect growth of money remittance companies in Kenya. Hence there is need for financial institutions to put anti-money laundering (AML) measures into place since the risk of detection has become greater for those seeking to use the global banking system to launder criminal proceeds.
RECOMMENDATIONS

The research recommends that the Central bank of Kenya should maintain control over the standardized practices of these money remittance companies since MRCs are likely to flourish best when the general legal framework in which it operates is sound, predictable, non-discriminatory and proportionate.

Based on the findings and conclusions of the study, the recommendations made were that there is a need for money remittance companies to put anti-money laundering (AML) measures into place since the risk of detection has become greater for those seeking to use the global banking system to launder criminal proceeds.

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