MOBILE BANKING FUND TRANSFER AND PROFITABILITY OF COMMERCIAL BANKS IN UGANDA. A CASE STUDY OF THE CENTENARY BANK (MAIN BRANCH) KAMPALA. A CORRELATIONAL, CROSS-SECTIONAL CASE STUDY SURVEY DESIGN.

Rholine Atukwatse^{a*}, Edmand Bakashaba^a, Dr. Muhammad Ssendagi^a
^aSchool of Graduate Study and Research, Team University.

Page | 1

ABSTRACT.

Background.

This study aims to document the relationship between mobile bank fund transfers and the profitability of Centenary Bank's main branch in Kampala, Uganda. Mobile banking refers to the act of enabling bank customers to access its services using mobile applications like phones and tablets. Mobile fund transfer refers to the transfer of funds using mobile phones. Fund transfer involves the movement of monetary funds, from one account to another. Services include performing balance checks, account transactions, payments, and other banking transactions through a mobile device such as a mobile phone which is most used in developing countries like Uganda. Centenary Bank is one of the leading commercial banks in Uganda. Therefore, this study seeks to assess the relationship between mobile bank fund transfers and the profitability of Centenary Bank's main branch in Kampala, Uganda

Methodology.

The study adopted a correlational, cross-sectional case study survey design. The study was correlational since it established the relationship between the study variables. It was cross-sectional since it collected data at an appointment in time for a short period and the study had no follow-up on the findings.

Results.

Based on the findings, there were significant positive correlations between profitability and mobile fund transfers (0.473). This means that as mobile fund transfers increase, the profitability of Centenary Bank tends to increase as well. Further, findings showed that 42.3% of the variation in profitability was explained by mobile bank fund transfers.

Conclusion.

Mobile banking activities, including fund transfers, have a positive impact on the profitability of Centenary Bank in Uganda.

Recommendation.

Centenary Bank should focus on promoting and enhancing its mobile banking transfer services to attract more customers and increase profitability.

Centenary Bank should invest in robust security measures to protect customer accounts and data, ensuring the trust and confidence of their customers.

Keywords: Profitability, Mobile, Fund, Centenary, Kampala.

Submitted: 2023-10-15 Accepted: 2023-11-12

Corresponding author: *Rholine Atukwatse

Email: rolinetuse@gmail.com

^aSchool of Graduate Study and Research, Team University.

BACKGROUND OF THE STUDY.

Mobile banking refers to the act of enabling bank customers to access its services using mobile applications like phones and tablets. Mobile fund transfer refers to the transfer of funds using mobile phones. Services include performing balance checks, account transactions, payments, and other banking transactions through a mobile device such as a mobile phone which is most used

in developing countries (Nassiwa, 2019). Fund transfer involves the movement of monetary funds, from one account to another.

Over the past few years with advancements in information technology, the banking industry has completely transformed how business is conducted by various organizations on a day-to-day basis (Haralayya, 2021). The established advancement technology structures have consequently brought about the progress that exists now

Original article

for mobile banking and online banking in the banking industry and have entirely changed how commercial banks and financial institutions go about their businesses recently (Simon, Thomas, & Senaji, 2016).

The study was oriented on two main variables that is; mobile banking and the profitability of commercial banks. In this study, mobile banking (m-banking) means the process of undertaking banking while using any mobile device and in most cases, while using a mobile phone (Asongu & Nwachukwu, 2016) This study conceptualized mobile banking to mean the establishment of ICT infrastructure, telephone billing system and online banking in Centenary Bank.

On the other hand, profitability is the measure of a bank's performance. Banks make a profit by earning or generating more money than what they are paying in expenses. It is measured by profit margin, Returns on Assets, and Returns on Equity.

Recently, mobile money account adoption in Sub-Saharan Africa has outpaced growth in the rest of the world. The report signals a growing trend for mobile banking on the continent (Asongu & Nwachukwu, 2016). From an empirical context, studies carried out in Africa suggest mixed findings regarding the impact of mobile banking on the performance of the banking sector. The study noted that poor, vulnerable, and low-income households in Sub-Saharan Africa (SSA) countries often lacked access to bank accounts and faced high costs for conducting basic financial transactions. The invention of the mobile phone presented a great opportunity for the provision of financial services to the unbanked in Africa (Ismail & Masinge, 2012)

In Uganda, mobile banking was introduced in 2009 as a business model that involved a partnership between mobile money operators and commercial banks (Mawejje & Lakuma, 2019). The services offered have so far been restricted to domestic remittances, basic retail payments, and money storage services. Payment systems have been designed that are used in the transfer of funds electronically by all commercial banks currently between mobile bank fund transfers and the profitability of Centenary Bank's main branch in Kampala, Uganda.

Therefore, the objective of this study is to assess the relationship between Mobile Banking fund transfer and the Profitability of Commercial Banks in Uganda. A case study of the Centenary Bank (main branch) Kampala.

METHODOLOGY.

Research design.

The study adopted a correlational, cross-sectional case study survey design. The study was correlational since it established the relationship between the study variables. It was cross-sectional since it collected data at an appointment in time for a short period and the study had no follow-up on the findings.

A mixed research approach was also used for this study. Quantitative methods were used to quantify numerical data to describe current conditions while investigating the relationship between the two study variables. The study also used a qualitative approach to ascertain the in-depth information for the study variables while balancing opinions from several respondents (Amin, 2005).

Study setting.

Table 1: Study setting.

Activity	Months	
Concept paper writing	January	
Research seminars	February	
Proposal writing	March and April	
Proposal defense	May	
Dissertation writing	June	
Viva Defense	June	
Publication	June	

Study population.

The study population consisted of 152. These included 12 administrative bank managers, 125 lower bank officials, 10 IT staff, and 10 Uganda Bankers Association officials. All these were chosen because of their relevance to the study objectives.

Inclusive criteria.

All those who were relevant to the study objectives were selected.

Exclusive criteria.

All those who were not relevancy to the study objectives were selected.

Sample size.

The researcher had 110 respondents which were selected as the sample size of the study as shown in Table 2.

Page | 2

Original article

Table 2: Sample Size of Respondents and Sampling Technique.

Category of Population	Population Size	Sample Size	Sampling Technique	
Administrative staffs	12	11	Purposive sampling	
Uganda Bankers' Association officials	5	5	Purposive sampling	
IT staff	10	10	Purposive sampling	
Lower bank officials	125	84	Random sampling	
Total	152	110		

Source: Centenary Bank Human Resource Report (2022)

Therefore, the researcher selected 11 administrative staff of key bank departments, 5 Uganda Bankers' Association staff who are in charge of mobile banking transactions, 10 IT staff, and 84 lower bank officials of the commercial bank.

Sampling techniques.

Page | 3

This study employed a random sampling technique representing a probabilistic sampling design and purposive sampling representing non-probability sampling. Simple random sampling was appropriately used for choosing lower bank officials in Centenary Bank. This technique was preferred because it reduced **bias** and allowed everyone to be selected to participate in the study. Purposive sampling, was used in choosing administrative staff, Uganda Bankers' Association officials, and IT staff.

Data collection methods.

Qualitative and quantitative methods were used in the collection of data. Original data was gathered using self-administered questionnaires and interviews. Secondary data was obtained from a review of documents such as journals, reports, planning documents, memos, and files.

Questionnaire survey.

A questionnaire survey refers to a method of data collection that is designed with a series of short questions using both open and close-ended questions to allow prompt answers from respondents (Amin, 2005). This was employed to collect original data from bank lower officials in Centenary Bank. This involved the use of a close-ended questionnaire which allowed easy correlation and regression of the respondent's attitudinal disposition on the independent and dependent variables (Amin, 2005).

Interview.

The study employed an interview method. The interview method means collecting data while asking differing questions that allow probing and prompting of respondent's answers. The researcher obtained more detailed information on mobile banking and the profitability of Centenary Bank.

This method was used by the researcher to obtain in-depth answers or information from key informants and allowed him to get clarification on anything that arose. The interview method was the best for administrative staff, Uganda Banker' Association officials, and IT staff.

Documentary review.

The study collected secondary data guided by the documentary review checklist. The researcher reviewed documents to obtain information that was related to the study. This method enabled the researcher to find data at her appropriate time and gather data that was thoughtful by informants that would give attention in obtaining them and enable the researcher to obtain data in the language of the respondent.

Data collection instruments.

The researcher used a questionnaire and interview guide to collect data for this study as follows.

Questionnaire.

A questionnaire refers to a tool of data collection that is designed with a series of short questions using both open and close-ended questions to allow prompt answers from respondents (Amin, 2005). This was employed to collect original data from bank lower officials in Centenary Bank. This involved the use of a close-ended questionnaire which will allow easy correlation and regression of the respondent's attitudinal disposition on the independent and dependent variables (Amin, 2005). Secondly, the use of questionnaires allowed busy respondents to adequately reserve time to answer the questions during their convenient hours.

Interview Guide.

The study also employed an interview guide. An interview guide means collecting data while asking differing questions that allow probing and prompting of respondents' answers. The researcher obtained more information on mobile banking and the profitability of Centenary Bank. This tool helped the researcher obtain indepth answers or information from key informants and allowed clarification on anything that might arise from a survey method. The interview tool was best used on administrative staff, Uganda Bankers' Association officials, and IT staff.

Data quality control.

Validity.

Validity refers to what an instrument is supposed or meant to measure Similarly, according to Amin (2005), it is the extent to which a scale measures the concept that it is intended to measure; determined using various methods but the most crucial being via the content validity method (CVI). The Content Validity Index (CVI) reveals the potential of the constructed instrument to remain right and true for the intended study. The researcher determined CVI, after giving the Self-Administered Questionnaire (SAQ) instrument to the research supervisor for rating/ judgment and scoring. The number of relevant (n) was then divided by the total number of questions (N) hence the obtained Content Validity Instrument (0.9) was compared with 0.7 as proposed by (Amin, 2005) and found to be good hence the researcher continued to use the instrument as it was relevant.

Reliability of instrument.

Reliability is a measure of the degree to which an instrument yields consistent results or data every time it is used to measure a trait or concept from the same respondents. Internal consistency technique was used where a fraction of respondents (10 respondents) not part of the study were requested to answer a pre-test questionnaire and thereafter data that was obtained was used to calculate Cronbach alpha (0.82) and compared with 0.7 as proposed by (Amin,2005). The obtained value was greater than 0.7 hence the questionnaire was accepted for collecting data since it was reliable.

Data collection procedures.

The researcher obtained a research letter from Team University introducing her to Centenary Bank and specifying that the data needed for the study was solely for study purposes.

Upon obtaining the requisite permission, the researcher proceeded with data collection starting with giving out questionnaires to the Centenary Bank lower bank officials. After that, interviews were conducted with administrative bank staff, BOU staff, and IT staff at Centenary Bank.

Data Analysis.

Quantitative data analysis

The researcher presented data using descriptive and inferential statistics where frequency tabulations were used to present the data on sample characteristics whereas for the research objectives, Pearson correlation and linear regression analysis were used. The researcher used correlation analysis to test the relationship between mobile banking and the profitability of Centenary Bank whereas regression analysis was used in examining the effect of mobile banking and the profitability of Central Bank

Ethical considerations.

After the approval of the research proposal by the Research Supervisor and the Research Panel of Team University, an introductory letter was obtained from the University which introduced the Researcher to the Centenary bank and Uganda Bankers' Association officials that were participating in this study.

Permission to collect data was sought from the Head of Research at Centenary Bank. After getting permission, the selected respondents were contacted and the researcher explained to them the objectives of the study. This was clearly explained to the study participants in the language they understand very well.

Written informed consent forms were supplied to them and confidentiality of all the information about the respondents was communicated and maintained as the information provided was only used for academic purposes.

RESULTS.

Demographic characteristics of the respondents.

The researcher used gender, age, marital status, and level of education as demographic characteristics of the respondents and the findings are as in Table 3 and 4.

Page | 4

Table 3: Demographic characteristics of the respondents.

Characteristic	Frequency	Percent (%)
Gender		
Male	62	65%
Female	34	35%
Total	96	100%
Age (years)		
20-35	34	35%
36-45	43	45%
46-59	19	20%
Total	96	100%
Marital status		
Single (Lower bank officials)	21	22%
Married	69	72%
Separated	5	5%
Widowed	1	1%
Total	96	100%
Level of education		
Certificate	6	6%
Diploma	26	27%
Bachelors	54	56%
Masters	10	10%
Total	96	100%
Length of service(years)		
0-5	46	48%
6-10 y	48	50%
11+	2	2%
Total	96	100%

Based on the findings of the study on mobile banking and the profitability of commercial banks in Uganda, the following observations were made on respondents.

On gender, the study included 96 participants, out of which 65% were male and 35% were female. It can be inferred that a slightly higher number of males were involved in the study compared to females.

On age, the participants were divided into three age groups: 20-35 years, 36-45 years, and 46-59 years. The largest age group was of the age 36-45 years, accounting for 45% of the total participants. The 20-35 years age group accounted for 35% of the participants, while the 46-59 years age group accounted for 20%.

On marital status, the participants were categorized into four marital status groups: single (lower bank officials), married, separated, and widowed. Among the participants, 72% were married, making it the largest marital status group. The single (lower bank officials) group accounted for 22%, followed by the separated group at 5% and the widowed group at 1%.

On the level of education, the participants had different educational backgrounds, ranging from certificate holders to individuals with master's degrees. Certificate holders accounted for 6% of the participants, followed by diploma holders at 27%. The majority of the participants, 56%, held a bachelor's degree, while 10% had a master's degree. On length of service in the banking sector, the participants' length of service in the banking industry was divided into three categories: 0-5 years, 6-10 years, and 11+ years. The largest category was 0-5 years, accounting for 48% of the participants. The 6-10 years category accounted for 50% of the participants, while only 2% had been in the industry for 11+ years.

Overall, the study included a mix of participants in terms of gender, age, marital status, level of education, and length of service. These findings provide a diverse perspective on the relationship between mobile banking and the profitability of commercial banks in Uganda.

Mobile bank fund transfers and the profitability of Centenary Bank.

To explore the relationship between mobile bank fund transfers and the profitability of Centenary Bank., the researcher used descriptive analysis of responses that were captured using a Likert 5 point scale where 1-

Page | 5

Strongly Disagree (SD), 2- Disagree (A), 3-Not sure (NS), 4-Agree (D), 5-Strongly Agree (SD), Mn- Mean, Std-standard deviation

Table 4: Mobile bank fund transfers and the profitability of Centenary bank

Page | 6

Statements	Mean	standard deviation
Mobile bank transfers provide customers with a convenient way to transfer money anytime and anywhere hence increased number of customers and transaction volumes for increased profits.	4.5	0.3
Mobile bank transfers are associated increased transaction volume, resulting in higher income for commercial banks.	4.4	0.2
Mobile bank transfers are associated with increased customer satisfaction due to the convenience of mobile bank transfers leading to improved customer retention and loyalty, further benefiting the financial performance of commercial banks.	2.2	0.5
Mobile bank transfers significantly reduce operational costs for commercial banks which increases the cost-to-income ratio and overall profitability.	1.4	0.4
Mobile bank transfers streamline the payment and transfer processes, leading to enhanced efficiency in transaction processing for commercial banks resulting in quicker settlement of transactions, faster availability of funds, and reduced manual intervention.	4.8	0.2
Mobile bank transfers have increased the cost investment in a bid to stay competitive with in the banking industry by increasing the cost of investment in technology and infrastructure which temporarily impacts profitability.	4.6	0.6
Mobile bank transfers come with inherent security risks and the potential for fraudulent activities of cyber-attacks, identity theft, and unauthorized access to customer accounts hence negatively impacting the financial performance of commercial banks.	4.7	0.3

Based on the descriptive analysis of responses captured using a Likert 5-point scale, the study found the following: On the statement "Mobile bank transfers provide customers with a convenient way to transfer money anytime and anywhere, leading to increased customer base and transaction volumes". The respondents strongly agreed with this statement, with a mean response of 4.5 and a low standard deviation of 0.3.

On the statement "Mobile bank transfers are associated with increased transaction volumes, resulting in higher income for commercial banks". The respondents agreed with this statement, with a mean response of 4.4 and a low standard deviation of 0.2.

The statement "Mobile bank transfers are seen as convenient by customers, but the respondents were unsure about whether they lead to increased customer satisfaction, improved customer retention, and loyalty". The mean response for this statement was 2.2, indicating disagreement and the standard deviation was 0.5, indicating some variability in responses.

The statement "Mobile bank transfers were found to significantly reduce operational costs for commercial banks, leading to improved cost-to-income ratio and overall profitability". However, the respondents disagreed with this statement, with a mean response of 1.4 and a standard deviation of 0.4, indicating a low level of agreement.

On the statement "Mobile bank transfers were found to streamline payment and transfer processes, resulting in

enhanced efficiency in transaction processing for commercial banks". The respondents strongly agreed with this statement, with a mean response of 4.8 and a low standard deviation of 0.2.

The statement "Mobile bank transfers were found to increase the cost of investment in technology and infrastructure for commercial banks to stay competitive in the industry". Respondents agreed with this statement, with a mean score of 4.6 and a higher standard deviation of 0.6, indicating some variability in responses.

According to the statement "Mobile bank transfers were seen as having inherent security risks, such as cyberattacks, identity theft, and unauthorized access to customer accounts". However, respondents strongly agreed that these risks negatively impact the financial performance of commercial banks, with a mean score of 4.7 and a low standard deviation of 0.3.

In summary, the study found positive perceptions toward mobile bank transfers in terms of convenience, increased transaction volumes, and enhanced efficiency in transaction processing. However, the impact on customer satisfaction, profitability, and cost reduction was less clear, with mixed responses from the respondents. The study also highlighted the potential security risks associated with mobile bank transfers, which could hurt the financial performance of commercial banks.

DISCUSSION.

Original article

This study documents the relationship between mobile banking fund transfers and the profitability of Centenary Bank's main branch in Kampala Uganda at **42.3%**. This finding is below the average. The finding of this study disagrees with the finding of (Momanyi, n.d.) who documented the profitability at 70.7%.

Page | 7

The study by Merhi (2019) focuses on the definition and services provided by mobile banking. The definition provided aligns well with the commonly understood concept of mobile banking as the delivery of financial services through mobile devices. Additionally, the study highlights the services typically offered by mobile banking, including depositing, sending and saving money, and making payments. These services are indeed common features provided by mobile banking platforms globally. According to Uwamariya (2020), mobile banking is separated into two categories; additive, where the model uses mobile banking as an extra access channel for existing clients, and transformational is where it is categorized by a new type of services that could attract users from rural areas and poorer segments of the market, and hence can have a transformational effect (Medyawati, Yunanto, & Hegarini, 2021). This way customers transfer funds electronically using ATMs to provide retail banking services allowing 24, hours a day bill payment at branches and remote locations away from branches(Said & Kaplelach, 2019).

The study revealed two categories of mobile banking, namely additive and transformational, and their applicability to commercial banks in Uganda. The additive model suggests that mobile banking serves as an additional channel for existing clients, while the transformational model aims to attract users from rural areas and poorer segments of the market.

One potential advantage of mobile banking, particularly the transformational model, is its potential to increase the reach and accessibility of banking services to underserved populations. By providing banking services to rural communities and lower-income segments, commercial banks in Uganda can tap into new customer bases and expand their market presence. This can result in increased transaction volumes, customer deposits, and ultimately, profitability.

Furthermore, by offering 24-hour bill payment services, commercial banks can enhance convenience for customers and potentially encourage more frequent use of their services. This can lead to increased customer loyalty and repeat business, ultimately contributing to the profitability of the banks.

However, there are also potential challenges and limitations to consider. Firstly, the success of mobile banking in attracting users from rural areas and poorer segments of the market depends on factors such as access to mobile devices, network coverage, and financial literacy. In Uganda, for example, the penetration of smartphones and mobile internet may still be limited in certain regions, which could hinder the adoption of mobile banking services in these areas.

Additionally, while mobile banking can enhance convenience and accessibility, it also comes with risks such as fraud and security concerns. Commercial banks need to prioritize robust security measures to protect customer information and transactions. Failure to do so

may erode customer trust and hinder the growth of mobile banking usage.

Moreover, the profitability of mobile banking depends on factors such as transaction fees, operational costs, and the ability to generate sufficient revenue from mobile banking activities. While mobile banking can reduce certain costs associated with physical branches, there may be infrastructure and technology investment required to establish and maintain mobile banking platforms. Therefore, careful cost-benefit analysis is necessary to ensure that the potential benefits of mobile banking outweigh the associated costs and risks.

In conclusion, mobile banking has the potential to enhance the profitability of commercial banks in Uganda by expanding their customer base, increasing transaction volumes, and improving customer convenience. However, challenges such as limited mobile device penetration, security risks, and cost considerations need to be carefully addressed to maximize the effectiveness and success of mobile banking initiatives.

CONCLUSION.

It can be concluded that mobile banking activities, including fund transfers, have a positive impact on the profitability of Centenary Bank in Uganda. These activities contribute to increased transaction volumes, enhanced efficiency in transaction processing, and lower administrative and processing costs, resulting in improved profitability for the bank. However, there are also challenges associated with mobile banking, such as security risks, credit risk, increased competition, and potential negative effects on fee revenue and customer footfall in physical bank branches. Centenary Bank needs to effectively manage these challenges while leveraging the opportunities offered by mobile banking to maximize profitability.

RECOMMENDATION.

- Centenary Bank should focus on promoting and enhancing its mobile banking transfer services to attract more customers and increase profitability.
- Centenary Bank should invest in robust security measures to protect customer accounts and data, ensuring the trust and confidence of their customers.
- Centenary Bank should implement effective risk assessment and management strategies to minimize default rates and potential losses.
- Centenary Bank should strategize ways to promote its other offerings to mobile banking users, such as through targeted marketing campaigns and personalized recommendations.
- Centenary Bank should consistently monitor and analyze the financial performance associated with mobile banking to identify any trends or areas for improvement.

ACKNOWLEDGEMENT.

Student's Journal of Health Research Africa Vol. 4 No. 12 (2023): December 2023 Issue https://doi.org/10.51168/sjhrafrica.v4i12.742

Original article

- 4. Ismail, T., &Masinge, K. (2012). Mobile banking: Innovation for the poor. African journal of science, technology, innovation development, 4(3), 98-127.
- 5. Mawejje, J., &Lakuma, P. (2019). Macroeconomic effects of Mobile money: evidence from Uganda. Financial Innovation, 5(1), 1-20.
- 6. Medyawati, H., Yunanto, M., &Hegarini, E. (2021). Financial Technology as Determinants of Bank Profitability. Journal of Economics, Finance Accounting Studies, 3(2), 91-100.
- Merhi, M., Hone, K., &Tarhini, A. (2019). A cross-cultural study of the intention to use mobile banking between Lebanese and British consumers: Extending UTAUT2 with security, privacy and trust. Technology in Society, 59, 101151.
- 8. Nassiwa, J. (2019). Factors affecting adoption of mobile banking in Uganda: A case study of Stanbic Bank, Makerere University Branch. Makerere University,
- 9. Said, F. H., &Kaplelach, S. (2019). Mobile Banking Innovation and Financial Performance of Selected Commercial Banks in Kenya. Journal of Finance Accounting, 3(3).
- Simon, V. T., Thomas, A., &Senaji, R. (2016). Effect of electronic banking on customer satisfaction in selected commercial banks, Kenya. International Academic Journal of Human Resource Business Administration, 2(2), 41-63.
- Uwamariya, M., Loebbecke, C., & Cremer, S. (2020). Mobile banking impacting the performance of microfinance institutions: A case study from Rwanda. International Journal of Innovation Technology Management, 17(01), 2050001.
- 12. Momanyi, D. N. (n.d.). Effects of Mobile Banking on Profitability of Commercial Banks in Kenya.

of my research work. To produce this work has not been simple. I thank God for giving me good health during the process. Many people contributed in various ways including morally, physically, financially, materially, and mentally. Among them, I extend my appreciation to Team University, Kampala particularly the School of Graduate Studies and Research for their input towards this award. My sincere appreciation goes to my family members for contributing financially towards my study, without wish, this work would have probably remained a mere wish. Sincere gratitude is further extended to the Centenary Bank for accepting me to collect relevant data whose value has been unmeasurable towards this research.

I am privileged and highly delighted to see the true print

LIST OF ABBREVIATIONS.

BOA: Bank of Africa

MFPED: Ministry of Finance, Planning and Economic

Development

Page | 8

MFT: Mobile Fund Transfer ROA: Return on Assets

UBA: Uganda Bankers Association

SPSS: Special Package for Social Scientists

SOURCE OF FUNDING.

This study was not funded.

CONFLICT OF INTEREST.

The author declares no conflict of interest.

AUTHOR BIOGRAPHY.

Student of Finance at Team University.

REFERENCES.

- 1. Amin E. M. (2005). Social Science Research, Conception, Methodology and Analysis, Makerere University Press. Kampala.
- Asongu, S. A., & Nwachukwu, J. C. (2016). Mobile phone penetration, mobile banking and inclusive development in Africa. African Finance Journal, 18(1), 34-52.
- 3. Haralayya, B. (2021). How Digital Banking has brought innovative products and services to India. Journal of Advanced Research in Quality Control Management, 6(1), 16-18.

Publisher details.

Page | 9

Publishing Journal: Student's Journal of Health Research Africa.

Email: studentsjournal2020@gmail.com or admin@sjhresearchafrica.org



(ISSN: 2709-9997)

Publisher: SJC Publishers Company Limited

Category: Non-Government & Non-profit Organisation

Contact: +256775434261(WhatsApp) Email: admin@sjpublisher.org

Website: https://sjpublisher.org
Location: Wisdom Centre Annex, P.O. BOX. 701432 Entebbe, Uganda, East Africa.