

# Integrated Financial Management System and Financial Reporting In Selected Commercial Banks in Bujumbura, Burundi

Ms Kaneza Leila , Dr Sunday Arthur , Dr. Joseph B.K. Kirabo ,Ms Iradukunda Ella Marline  
College of Economics and Management Science Kampala International University

## Abstract

*The quality and standard of financial reporting among Burundian commercial banks do not match the international standard of reporting in the banking sector of more developed countries. lack of clarity on the extent to which integrated financial management system influences financial reporting will therefore continue to inhibit common understanding and explanation which might deter financial reporting improvement in selected commercial banks in Bujumbura, Burundi.*

*The study analyzed the relationship between integrated financial management system and financial reporting in selected commercial banks in Bujumbura, Burundi and it was hypothesized that. Commercial banks have come under spotlight for cases of poor financial reporting standards. Lack of empirical studies to assess the impact of integrated financial management system on the financial reporting of commercial banks in Burundi is the motivation behind this study. Therefore, this study is important not only because it fills the gap, but also it set out to address this evident knowledge gap*

*The study adopted phenomenological, epistemology and quantitative-qualitative methodology dimension with cross sectional and correlation designs. the unit of analysis was selected commercial banks, and employees were the units of inquiry. Hierarchical regression, linear regression analysis were used to test the predictive power of the variables and indicate precisely what happens to the model as different*

*predictor variables are introduced in the model fit*

*The study revealed that cash management significantly affect the financial reporting of commercial banks (Adjusted  $R^2=0.562$ ,  $p=0.000$ ). Furthermore, the study revealed that budgeting significantly affect the financial reporting of commercial banks Adjusted  $R^2=0.439$ ,  $p=0.000$ ). In addition, the study found that accounting system significantly affect the financial reporting of commercial banks (Adjusted  $R^2=0.612$ ,  $p=0.000$ ). The study concluded that IFMS influences financial reporting. The study recommended that the management of the banking industry should involve all the stakeholders in the development of cash management framework that is used in the planning, implementation, auditing, supervision, monitoring and maintenance of the IFMS to streamline all roles and responsibilities of all the users of the system so that no cash is mismanaged. Furthermore, the study recommended that the management of the banking industry should promote efficient and clear budgeting by incorporating it with the IFMS. In addition, the study recommended that commercial banks should adhere to strict IFMS guidelines such as payment terms, credit limit, and automatic voucher number. Similarly, the study recommended that the management of the banking industry should ensure that IFMS easily adapts to the changes in cash management, budgeting and accounting system practices without complete overhaul of the system so as to ensure efficient and timely financial reporting. The current study added to the body of knowledge that IFMS in terms of cash*

*management, budgeting and accounting system are synonymous in ensuring clear and quality financial report.*

*Key Words: Integrated financial management system, financial reporting, commercial Banks*

## **Introduction**

Governments in developing countries are increasingly exploring methods and systems to modernize and improve public financial management (Hendriks, 2018). For example, over the years, there has been an introduction of the Integrated Financial Management System (IFMS) as one of the most common financial management reform practices, aimed at the promotion of efficiency, effectiveness, accountability, transparency, security of data management and comprehensive financial reporting. The scope and functionality of an IFMS varies across sub-Saharan countries, but normally it represents an enormous, complex, strategic reform process (Chêne 2017). In South Africa, the sheer size and complexity of an IFMS is posing a significant challenge and a number of risks to the implementation process that goes far beyond the mere technological risk of failure and deficient functionality. Hove and Wynne (2018) posit that challenges and obstacles can have a devastating effect on the success of the implementation and management of the IFMS and should not be underestimated.

In Kenya the national treasury introduced the integrated financial management information system in 2003 aimed at automating and streamlining Governments financial management processes and procedures (Brar, 2018). However, the implementation of such a project proved to be a very demanding undertaking and has not been met with resounding success. The following processes have been linked and integrated with the IFMS system: planning and budgeting, procurement, accounting, electronic funds transfer, auditing

asset management and financial reporting (Njoroge, 2015).

In Uganda, the Integrated Financial Management System (IFMS) was officially introduced in 2003/4 Financial year as a result of the various Public Financial Management Reforms (PFMR) which were initiated by government to improve on Budget preparations, accounting, reporting and auditing procedures. Before introduction of the IFMS, the country was using Financial Management Systems which were characterized with largely manually managed data, no uniform chart of accounts, inaccurate and unreconciled statements and unaudited financial records (MFPED, 2015). All this made the processes of inspection, auditing, financial reporting, budgeting, and compliance with the required International Public Sector Accounting Standards too difficult as there were no proper and timely financial and nonfinancial records on which to base and prepare a set of financial statement that can be audited by the Auditor General at the end of the financial year (MFPED, 2015).

In Burundi, IFMS forms part of the broader financial management reforms of the Burundian government which started in 2005. The IFMS implementation project in Burundi was a priority initiative led by the National Treasury to review and upgrade the government's information technology (IT) systems. The objective of this project was to enhance the integrity and effectiveness of expenditure management and performance reporting in order to ensure effective service delivery (National Treasury, 2017). The Burundian government currently owns and operates a large compendium of systems including: the Financial Management System (FMS), the Basic Accounting System which is cash accounting systems, the Personnel and Salaries Management System (PERSAL), which can be described as a payroll system and the Police Financial Management System (POLFIN), which is a department specific cash management system (Baloyi, 2019).

Although in the past few years, many developed and developing countries have adopted Integrated Financial Management System (IFMS) as their basis for financial reporting. The European Union (EU) took the lead when it mandated all listed companies in the European Union to start the adoption and implementation of the IFRS in their financial reporting since 2005. In fact the year 2005 to 2009 was regarded by the IASB to provide a stable platform for EU companies that started implementation in 2005. Presently over 120 countries are reported to have adopted or converged with IFRS (Osman, 2017).

In Africa, several countries have over the years adopted international financial reporting standards. In Nigeria, steps were taken in 2010 to align all corporate reports to the International Financial Reporting Standards (IFRSs) as a means of enhancing full disclosure and strengthening stakeholder confidence. The Nigerian Stock Exchange (NSE) directed all companies that are listed on the exchange to adopt the IFRSs by December 2011 while the Central Bank of Nigeria also directed Nigerian banks to adopt the IFRSs by December 2010 (Adeuja, 2019). In Kenya, besides the government's readiness, the Kenyan Accounting Standards Board (KASB) now the Financial Reporting Council (FRC), Kenyan Stock Exchange, (KSE) and Central Bank of Kenya (CBK) were among the major agents for IFRS adoption in 2012 (Nagshbandi & Ombati, 2018).

In 1985, Burundi adopted a national accounting plan. The plan contained significant differences from the International Financial Reporting Standards (IFRSs) and applied to all entities in Burundi, with different requirements based on the size of the enterprise. However, the adoption of IFRS in 2011 is perhaps the most important accounting regulatory change in recent years. The use of IFRSs as a universal financial reporting language is gaining momentum in Burundi and more commercial banks are adopting IFRS or converging their local standards with it (Siaga, 2012).

This study was guided by the enterprise theory by Suojanen (1954). Enterprise theory sees the large listed corporation as an institution with social responsibilities. Companies' actions affect many different stakeholders such as stockholders, creditors, customers, employees, the government as a taxing and regulatory authority and the public at large. Hendriksen and Van (1992); Kam (1990) trace this institutionalization of the large enterprise to the separation of management and ownership leading to increasingly large proportions of income being retained within the company to reduce the corporation's dependence on external financing. Large corporations may decide to pay only 'conventionally adequate dividends' because this ties in with their survival and growth objectives (Suojanen, 1958: 56-7).

This theory relates to this study in that it emphasizes that enterprises (in our case banks) as social institutions should prepare financial statements that adhere to IFRS. According to IFRS, the objective of financial reporting is to provide financial information about the reporting entity that is useful to existing and potential investors, lenders and other creditors in making decisions about providing resources to the entity. Those decisions involve buying, selling, or holding equity and debt instruments, and providing or settling loans and other forms of credit. IFRS also states that these decisions depend on the user's expectations of the risk, amount, and timing of future net cash inflows of the reporting entity.

The banking sector of Burundi is comprised of 10 commercial banks and are all located in Bujumbura, Burundi. The banking sector is highly concentrated with the two mature banks, the Banque de Cr dit de Bujumbura (BCB) and the Banque Commerciale du Burundi (BANCOBU) accounting for a commanding share of the market. In 2011, these two banks accounted for 43% of deposits, 42% of total assets, and 42% of credit allocated. Together with the Interbank Burundi (IBB) created in

1993, the three largest banks represented 76% of total assets, 74% of credit, and 79% of deposits in 2011 (Nkurunziza et al., 2012). Burundi adopted IFRS in 2011 and required that all Public Listed Companies apply IFRS for the presentation of their financial statement by January 2012. Other Public interest entities were required to adopt IFRS by January 2013 while Small and medium sized entities were expected to adopt IFRS by January 2014.

It is also believed that Burundian commercial banks that prepare IFRS compliant financial statements have more advantage over others in their business dealings with other related banks, multinational firms and international investors (Moyo et al., 2014). However, there has also been some opposition to the adoption of IFRS arguing that Burundi still has weak institutions, unpredictable economic and political environments which may undermine the successful implementation of IFRS (Moyo, et al., 2014).

According to Constâncio (2012) for commercial entities, financial reporting is meant to give a “true and fair view” of their financial situation and performance that helps economic agents to make informed investment decisions. This is because commercial banks play a pivotal role in the distribution of financial resources to the real economy. Problems in the banking sector can thus have detrimental effects on the economy as a whole, if financial reporting standards are not adequately adhered to.

A report by Rutumwako and Kaneza (2018) revealed that the quality and standard of financial reporting among Burundian commercial banks do not match the international standard of reporting in the banking sector of more developed countries (Rutumwako & Kaneza, 2018). As a result of this, Burundian banking industry in 2003 underwent a major financial reform, however, this reform ended up affecting the financial performance of several commercial banks as their net income margin fell from 4.6% to 6.0% in 2011 (World Development Indicators, 2013). This led to the

consolidation of most of the banks and the adoption of integrated management systems. According to National Bank of Burundi (2018), more than 78% of the commercial banks do not provide information about joint arrangements in their financial reporting while only 49% provide disclosure of interest in other entities and 62% provide information regarding consolidated financial statements. This implies that there is still a wide gap in the adherence of financial institutions to the international financial reporting standards.

In addition, several studies have been done over the years by Kahari et al., (2019); Njonde and Kimanzi (2018); Perafán (2017); Adeuja (2019); Hendriks (2018) in the subject of integrated financial management system, and financial reporting standards in countries like Kenya, Nigeria, and the United Kingdom. However, none of the above studies were done in Burundi thus presenting gap that, caused the need for a scientific investigation

This study therefore investigated to establish the effect of integrated financial management system on the financial reporting of commercial banks in Burundi.

## Literature Review

Integrated financial management system (IFMS) is an information system that tracks financial events and summarizes financial information (Hendriks, 2018). It supports adequate management reporting, policy decisions, fiduciary responsibilities and the preparation of auditable financial statements. In its basic form, an IFMS is little more than an accounting system configured to operate according to the needs and specifications of the environment in which it is installed (Kahari et al., 2019). In general terms, it refers to the automating of financial operations. In the sphere of government operations, IFMS refers to the

computerization of public financial management processes, from budget preparation and execution to accounting and reporting, with the help of an integrated system for the purpose of financial management (Lianzuala & Khawlhing 2008). An IFMS is an information system that tracks financial events and summarizes financial information. In the private sector, such systems provide critical support for management and budget decisions, fiduciary responsibilities, and the preparation of financial reports and statements (Dener, & Young, 2013). An integrated financial management system (IFMS) is an IT-based budgeting and accounting system that manages spending, payment processing, budgeting and reporting for governments and other entities (Selfano et al., 2014). In this study, IFMS was operationalized in terms of cash management, budgeting, and accounting system.

Financial reporting is defined by Sunder (2016) as the financial results of an organization that are released to the public. On the other hand, the Australian Accounting Standards Board (AASB) (2013) defined financial reporting as the periodic process of providing information in financial statements (including the notes thereto) about the financial position and performance of a reporting entity to parties (users) external to that entity to assist them in making informed decisions about allocating scarce resources. In addition, Lai et al., (2017) defined financial reporting as a formal record of the financial activities and position of a business, person, or other entity. According to McConville and Cordery (2018), financial reporting is the process of producing statements that disclose an organization's financial status to management, investors and the government.

According to Wainaina and Makori (2019), one of the basic features of the IFMS is the ability to interface with a number of existing and planned automated systems such as the Integrated Personnel Payroll Data (IPPD) and Government Payments Solution (G-pay).

The objective of implementing an IFMS system is to increase the effectiveness and efficiency of state financial management and facilitate the adoption of modern public expenditure management practices in keeping with International Public Sector Accounting Standards (IPSAS). The benefits of an IFMS include: better fiscal management, more optimal resource allocation, improved management of resources (value for money), reduced fraud and corruption, improved transparency and accountability, lower transaction costs (Njonde & Kimanzi, 2018).

Wamuyu (2013) further explains that an IFMS provides decision-makers and public-sector managers with the information they need to perform their managerial functions. Rodin-Brown (2008) states that an IFMS provides timely, accurate and consistent data for management and budget decision-making. By computerizing the budget management and accounting system for a government, an IFMS aims at improving the quality and availability of information necessary at various stages of public financial management, such as budgeting, treasury management, accounting and auditing (Maake, 2012). An IFMS allows users anywhere within the IFMS network to access the system and extract the specific information they need. A variety of reports can be generated to address different budgeting, funding, treasury, cash flow, accounting, audit and day-to-day management concerns (Opiyo, 2017).

According to Hove and Wynne (2018), an IFMS assists management in ensuring accountability for the deployment and use of public resources and in improving the effectiveness and efficiency of public expenditure programmes. By tracking financial events through an automated financial system, management is able to exercise improved control over expenditure and to improve transparency and accountability in the budget cycle as a whole. Opar and Omondi (2016) argue further that, as a management tool, an IFMS should support the management of change. As such, it should be

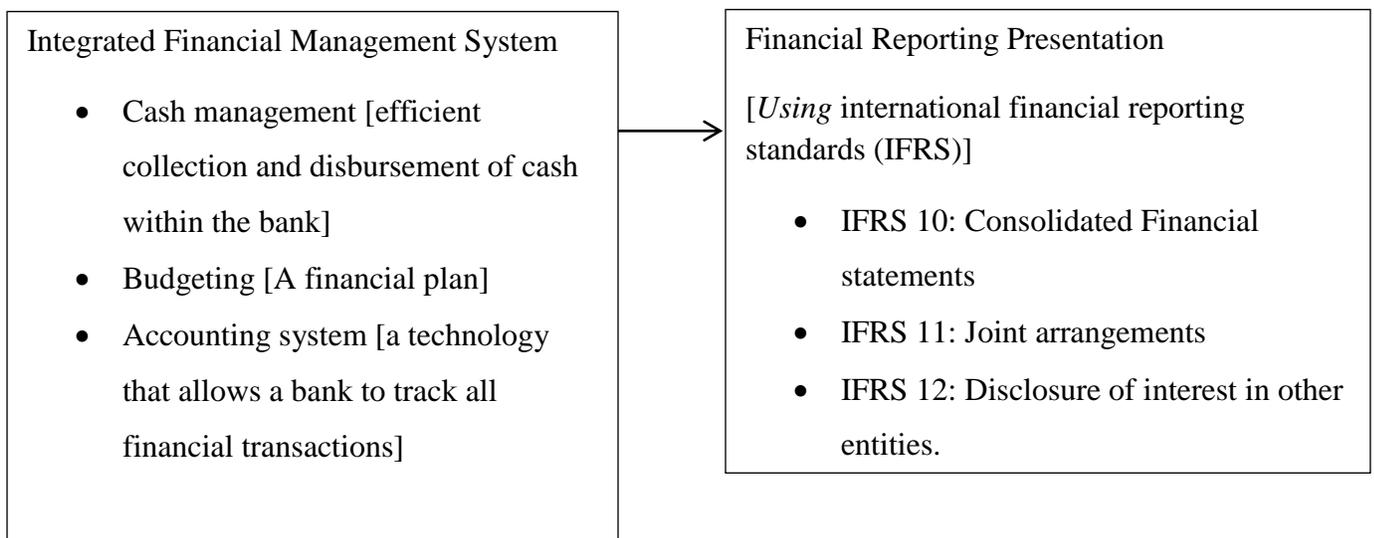
viewed as part of the broader financial reforms of government, such as budget reforms. As a management tool, IFMS also enables management to do the following (Odoyo, 2014): Control aggregate spending and the deficit. Prioritize expenditure across policies, programmes and projects to achieve efficiency and equity in the allocation of resources, and make better use of budgeted resources, namely, to achieve outcomes and produce outputs at the lowest possible cost.

According to Ogachi and Muturi (2016), the scope and functionality of an IFMS can vary from a basic general ledger accounting application to a comprehensive system covering budgeting, accounts receivable or payable, cash management, commitment control, debt, assets and liability management, procurement and purchasing, revenue management, human resource management and payroll (Rozner 2008). Its role is to connect, accumulate, process

and then provide information to all parties in the budget system on a continuous basis (Ondimu, 2013). It is therefore imperative that the system should be able to provide the required information timely and accurately, because if it does not it will not be used and cease to fulfil its central function as a system.

Omokonga (2014) argues that an IFMS can improve public financial management in a number of ways, but generally seeks to enhance confidence and credibility of the budget through greater comprehensiveness and transparency of information. The purpose of using an IFMS is to improve budget planning and execution by providing timely and accurate data for budget management and decision-making (Omondi, 2016). A more standardized and realistic budget formulation process is allowed for and improved control over budget execution is affected through the full integration of budget execution data.

### Hypothesised Framework



Source: Literature Hendriks (2018), Njonde and Kimanzi (2018), Kahari et al., (2019), IFRS (2011a, 2011b, 2011c)

From the Hypothesized framework, financial reporting (FR) was predicted by integrated financial management system (IFMS) 'Y =  $\alpha + \beta X$ '.



$$FR = \alpha + \beta IFMS + \varepsilon \dots\dots\dots (I)$$

$$FR = \alpha + \beta CM + \varepsilon \dots\dots\dots (II)$$

$$FR = \alpha + \beta BG + \varepsilon \dots\dots\dots (III).$$

$$FR = \alpha + \beta AS + \varepsilon \dots\dots\dots (IV)$$

$$FR = \alpha + IFMS (\beta 1CM + \beta 2BG + \beta 3AS) + \varepsilon \dots\dots\dots (V)$$

Where **FR**=financial reporting, **CM**=cash management; **BG**=budgeting; **AS**=accounting system.

### Methodology

The study adopted a quantitative and qualitative paradigm with cross sectional and correlation designs. Correlation design was used to establish relationships between intergrated financial Management system and financial reporting of selected commercial banks. Logical quantitative designs were applied in data collection, analysis and presentation which also helped to test hypothetical deductive generalizations. The study population consisted of all registered commercial banks from where the sample size were determined which was consistent with the sample size guidelines of Ntoumanis (2001) and Field (2006). Ntoumanis (2001) and Field (2006), multistage, simple rondon sampling and purposive techniques were used. Primary and secondary data sources were used in the study.

Cronbach’s alpha was used to test the reliability of the instruments and the instruments were found to be reliable at 0.78. Content validity of the two instruments was ensured through use of valid concepts which measure the study variables . Content validity was used to ensure that the questionnaire was content valid. The content validity results were obtained and for all the constructs were above 0.7 as recommended by Sakaran (2000). The study used Means and standard deviations in order to summarize the results. The means were used because they show a summary of data and standard deviation clearly shows how well the means represent the data (Field, 2009).

### Findings and Discussion

#### Integrated Financial Management System

<b>Integrate Financial Management System</b>	<b>Mean</b>	<b>Std. Deviation</b>
Cash management	3.90	0.930
Budgeting	3.92	0.975
Accounting system	3.69	1.152
<b>Overall Average Mean</b>	<b>3.84</b>	<b>1.019</b>

Source: Primary data, 2019

The findings revealed that, integrated financial management system was assessed by the

respondents as satisfactory (overall average mean=3.84, Std=1.019). This was attributed to

the fact that elements that were used for measuring IFMS were all assessed by the respondents as satisfactory. That is to say, cash management, budgeting and accounting system were all assessed as satisfactory. This implies

that IFMS is very instrumental in the banking sector in promoting better financial reporting through the use of better cash management system, proper budgeting and adoption of relevant accounting system

### Financial Reporting

Financial Reporting	Mean	Std. Deviation
Consolidated Financial Statements	3.64	1.166
Joint Arrangements	3.91	0.965
Disclosure of Interest in other Entities	3.73	1.039
<b>General Average Mean</b>	<b>3.76</b>	<b>1.057</b>

Source: Primary data, 2019

The results revealed that financial reporting by the commercial banks was assessed by the respondents as satisfactory (overall average mean=3.72, Std=1.067). This is attributed to the

fact that the banks satisfactorily use consolidated financial statements, joint arrangements, and disclosure of interest in other entities in their financial reporting

### The Effect of Cash Management on the Financial Reporting of Selected Commercial Banks in Bujumbura, Burundi

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. Change
1	.753 <sup>a</sup>	.567	.562	.33722	.567	125.669	1	96	.000
Model		Sum of Squares		df	Mean Square		F	Sig.	
1	Regression	14.290		1	14.290		125.669	.000 <sup>b</sup>	
	Residual	10.917		96	.114				
	Total	25.207		97					
Model		Unstandardized Coefficients			Standardized Coefficients				
		B	Std. Error		Beta ( $\beta$ )		T	Sig.	
1	(Constant)	1.409	.213				6.602	.000	
	Cash Management	.605	.054		.753		11.210	.000	

Source: Primary data, 2019

The results revealed that cash management significantly affect the financial reporting of

commercial banks by a variance of 56.2% (Adjusted  $R^2=0.562$ ,  $p=0.000$ ). This was

attributed to the fact that IFMS allows proper cash management through processing and printing of cheques, handling of multi-currency bank accounts and transactions, and preparing bank accounts reconciliation statements which later can make financial reporting much more easier and elaborate. This therefore implies that the null hypothesis that there is no significant effect of cash management on the financial reporting of selected commercial banks in Bujumbura, Burundi was rejected and the

alternative hypothesis that there is a significant effect of cash management on the financial reporting of selected commercial banks in Bujumbura, Burundi was accepted. Furthermore, the study found that the regression model was the best fit for predicting the effect of cash management on financial reporting ( $F=125.669$ ,  $p=0.000$ ). Similarly, the study revealed that every unit change in cash management will significantly affect the variance in financial reporting by 75.3% ( $\text{Beta}=0.753$ ,  $p=0.000$ ).

### The Effect of Budgeting on the Financial Reporting of Selected Commercial Banks in Bujumbura, Burundi

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. Change
1	.667 <sup>a</sup>	.445	.439	.38173	.445	76.985	1	96	.000
Model		Sum of Squares		df	Mean Square		F	Sig.	
1	Regression	11.218		1	11.218		76.985	.000 <sup>b</sup>	
	Residual	13.989		96	.146				
	Total	25.207		97					
Model	Unstandardized Coefficients			Standardized Coefficients		T	Sig.		
	B	Std. Error	Beta ( $\beta$ )						
1	(Constant)	1.530	.258			5.926	.000		
	Budgeting	.571	.065	.667		8.774	.000		

Source: Primary data, 2019

The results revealed that budgeting significantly affect the financial reporting of commercial banks by a variance of 43.9% ( $\text{Adjusted } R^2=0.439$ ,  $p=0.000$ ). This was because the use of IFMS in budgeting enables copying old budgets to build new budget balances, maintaining details of every account, and maintaining multiple budgets for one period thus making it easier to account for it in a financial reporting. This therefore implies that the null hypothesis that there is no significant effect of budgeting on the financial reporting of selected commercial

banks in Bujumbura, Burundi was rejected and the alternative hypothesis that there is a significant effect of budgeting on the financial reporting of selected commercial banks in Bujumbura, Burundi was accepted. Likewise, the study found that the regression model was the best fit for predicting the effect of budgeting on financial reporting ( $F=76.985$ ,  $p=0.000$ ). Similarly, the study revealed that every unit change in budgeting will significantly affect the variance in financial reporting by 66.7% ( $\text{Beta}=0.667$ ,  $p=0.000$ ).

**The Effect of Accounting System on the Financial Reporting of Selected Commercial Banks in Bujumbura, Burundi**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.785 <sup>a</sup>	.616	.612	.31757	.616	153.935	1	96	.000
Model		Sum of Squares		df	Mean Square		F	Sig.	
1	Regression	15.525		1	15.525		153.935	.000 <sup>b</sup>	
	Residual	9.682		96	.101				
	Total	25.207		97					
Model	Unstandardized Coefficients			Standardized Coefficients		T	Sig.		
	B	Std. Error		Beta ( $\beta$ )					
1	(Constant)	1.863	.157			11.855	.000		
	Accounting System	.518	.042		.785	12.407	.000		

Source: Primary data, 2019

The results revealed that accounting system significantly affect the financial reporting of commercial banks by a variance of 61.2% (Adjusted  $R^2=0.612$ ,  $p=0.000$ ). This was due to the fact that IFMS permits the use of accounting system in financial reporting because it supports the payment terms by the customer, accepts manually entered voucher numbers, and enforces control on customer credit limit. This therefore implies that the null hypothesis that there is no significant effect of accounting system on the financial reporting of selected commercial banks in Bujumbura, Burundi was

rejected and the alternative hypothesis that there is a significant effect of accounting system on the financial reporting of selected commercial banks in Bujumbura, Burundi was accepted. Additionally, the study found that the regression model was the best fit for predicting the effect of accounting system on financial reporting ( $F=153.935$ ,  $p=0.000$ ). Similarly, the study revealed that every unit change in accounting system will significantly affect the variance in financial reporting by 78.5% (Beta=0.785,  $p=0.000$ ).

**Analysis on the Effect of Integrated Financial Management System on Financial Reporting in Selected Commercial Banks in Bujumbura, Burundi**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.821 <sup>a</sup>	.673	.663	.29592	.673	64.617	3	94	.000
Model		Sum of Squares		df	Mean Square		F	Sig.	
1	Regression	16.975		3	5.658		64.617	.000 <sup>b</sup>	

	Residual				
	8.231	94	.088		
	Total	25.207	97		
Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
	B	Std. Error	Beta		
1 (Constant)	1.349	.213		6.329	.000
Cash Management	.286	.079	.355	3.640	.000
Budgeting	.033	.083	.038	.390	.000
Accounting System	.320	.068	.485	4.719	.000

Source: Primary data, 2019

The results revealed that a combination of cash management, budgeting and accounting system significantly affect the financial reporting of commercial banks by a variance of 66.3% (Adjusted  $R^2=0.663$ ,  $p=0.000$ ). In addition, the study found that the regression model was the best fit for predicting the effect of IFMS combination on financial reporting ( $F=64.617$ ,  $p=0.000$ ). Similarly, the study revealed that accounting system (48.5%) was the highest predictor of financial reporting (Beta=0.485,  $p=0.000$ ), followed by cash management (35.5%) and lastly budgeting predicted 3.8% (Beta=0.038,  $p=0.000$ ). This therefore implies that policy makers and management within the commercial banks should re-emphasize the use of better accounting systems so as to enhance proper financial reporting.

### Recommendations

The study found that cash management significantly influences financial reporting of commercial banks in Burundi. Therefore, the study recommends that the management of the banking industry should involve all the stakeholders in the development of cash management framework that is used in the planning, implementation, auditing, supervision, monitoring and maintenance of the IFMS to streamline all roles and responsibilities of all the

users of the system so that no cash is mismanaged.

The Study further revealed that budgeting significantly influences financial reporting of commercial banks in Burundi. Therefore, the study recommends that the management of the banking industry should promote efficient and clear budgeting by incorporating it with the IFMS. This will enable the banks to meet their budget objectives and goals, thus promoting the quality of financial reports.

From the findings, it was revealed that accounting system significantly influences financial reporting of commercial banks in Burundi. Therefore, the study recommends that commercial banks should adhere to strict IFMS guidelines such as payment terms, credit limit, and automatic voucher number. This will help to check on the relevance, verifiability, and comparability of financial reports.

Therefore in conclusion, the study recommends that the management of the banking industry should ensure that IFMS easily adapts to the changes in cash management, budgeting and accounting system practices without complete overhaul of the system so as to ensure efficient and timely financial reporting.

### References

- [1]. Achim, A. M., & Chiş, A. O. (2014). Financial Accounting Quality and Its Defining Characteristics. *SEA: Practical Application of Science*, 2(3).
- [2]. Ackoff, R.L. (1999). *Re-Creating the Corporation, A Design of Organizations for the 21<sup>st</sup> Century*, Oxford University Press, Inc. New York
- [3]. Adekunle, A.A., & Taiwo, A. (2018). An Empirical Investigation of the Financial Reporting Practices and Banks' Stability in Nigeria. *Kuwait Chapter of Arabian Journal of Business and Management Review*, 2(5), 153-180.
- [4]. Adeuja, Y.O. (2019). *A Comparative Approach to the Impact of IFRS (International Financial Reporting Standards) on the Performance of Banks in Nigeria*. Master's Thesis Eastern Mediterranean University.
- [5]. Akinyi, O. E. (2016). *Intergrated financial management information systems and quality of budgetary control practices by the county government of Siaya, Kenya* (Doctoral dissertation, Masters dissertation, University of Nairobi).
- [6]. Alin-Eliodor, T., & Traian-Ovidiu, C. (2013). Consolidated Financial Statements Under IFRS. *Romanian Economic and Business Review*, 8(4), 18.
- [7]. Allen, R.R., & Potter, B. (2013). *The International Handbook of Public Financial anagement*. New York: Palgrave Macmillan.
- [8]. Al-Mamary, Y. H., Shamsuddin, A., & Hamid, N. A. A. (2014). Factors Affecting Successful Adoption of MIS in Organizations towards Enhancing Organizational Performance. *International Foundation for Research and Development (IFRD)*, 1.
- [9]. Alqatanani, K., & Hezabr, A. (2015). The effect of using accounting information systems to improve the value chain business organizations-empirical study. *European Journal of Accounting Auditing and Finance Research*, 3(6), 1-11.
- [10]. Alshebeil, A. H. (2010). Accounting Information Systems and organization, theory with Study Case Dar Althaqafa library for publishing and distributing. *Jordan*, 39, 26.
- [11]. Altarawneh, M. S. S. (2015). *An Investigation into the Suitability of International Financial Reporting Standards for Small and Medium-sized Entities (IFRS for SMEs) in Jordan* (Doctoral dissertation, Liverpool John Moores University).
- [12]. Ameen, A., & Ahmad, K. (2011). The role of Finance Information Systems in anti-financial corruptions: A theoretical review. In *Research and Innovation in Information Systems (ICRIIS), 2011 International Conference*, 1-6.
- [13]. Aminatu, M. (2015). The Impact of Integrated Financial Management System on Economic Development: The Case of Ghana. *Korea Review of International Studies*, 61-80.
- [14]. Artemyeva, A. (2016). *Impact of IFRS 13 on disclosure requirements under fair value hierarchy: Case: Industrial sector in Finland*. Retrieved August 17, 2018 from <https://www.theseus.fi/handle/10024/112735>
- [15]. Assey, D. D. (2014). *Effectiveness of Budgeting Process in Achieving Organization Goals: The case of TEMESA (HQ)*(Doctoral dissertation, The Open University of Tanzania).
- [16]. Atuilik, W., Babonyire, A., & Nicholas, A. (2016). Transitioning to IPSAS in Africa: An Analysis of the Benefits and Challenges *International Journal of Social Science and Economic Research*, 01(6).
- [17]. Australian Accounting Standards Board (AASB) (2013). *What Do We Mean by the Term 'Financial Reporting', Especially in Relation to Integrated Reporting?* Retrieved August, 11 2018 from [http://www.frc.gov.au/files/2013/09/defining\\_fin\\_reporting.pdf](http://www.frc.gov.au/files/2013/09/defining_fin_reporting.pdf)
- [18]. Bamwira, J. R. (2011). *Accounting Information System, Financial Decentralization and quality of financial reporting in Kampala City Council*. Master's thesis, Makerere University Business School.
- [19]. Bosire, K. K. (2016). *The Impact of Integrated Financial Management Information System (IFMIS) on Financial Probity in The Public Sector in Kenya*. Retrieved February 23, 2019 from <http://erepository.uonbi.ac.ke/bitstream/handle/>
- [20]. Botzem, S., Quack, S., & Zori, S. (2017). International Accounting Standards in Africa: Selective Recursivity for the 'Happy Few'?. *Global Policy*, 8(4), 553-562.
- [21]. Brar, P. (2018). *IFMIS in Africa: Some key issues*. Retrieved November 22, 2018 from [http://www.eastafritac.org/images/uploads/documents\\_storage/IFMIS\\_Workshop\\_Day\\_1\\_Presentations.pdf](http://www.eastafritac.org/images/uploads/documents_storage/IFMIS_Workshop_Day_1_Presentations.pdf)
- [22]. Bryman, A. and Bell, E. (2012). *Business Research Methods* (3rd Edition). Oxford: Oxford University Press.



- [23]. Camfferman, K., & Zeff, S. A. (2018). The Challenge of Setting Standards for a Worldwide Constituency: Research Implications from the IASB's Early History. *European Accounting Review*, 27(2), 289-312.
- [24]. Chado, H. M. (2015). The effect of integrated financial management information system on the financial management of public sector in Kenya. *Unpublished MSC Project, University of Nairobi*.
- [25]. Chandran, E. (2004). *Research Methods: A Quantitative Approach with Illustrations From Financial Institutions*. Nairobi, Kenya: Daystar University.
- [26]. Chebet, R. (2018). The Critical Success Factors In the Implementation of the Re-Engineered Integrated Financial Management Information System in Government Ministries, Kenya. *Unpublished MBA Thesis, University of Nairobi*.
- [27]. Chêne, M. (2017). *The Implementation of Integrated Financial Information Management Systems (IFMS)*. Retrieved November 22, 2018 <http://www.u4.no/helpdesk/helpdesk/query.cfm?id=196>
- [28]. Cherotich, A., & Bichanga, O. W. (2018). Factors affecting effective implementation of integrated financial management information systems by the county governments of Kenya. *International Journal of Economics, Commerce and Management*, 4(4), 1049-1068.
- [29]. Choubey, B., & Pattanayak, J. K. (2014). Curriculum for Environmental Accounting: A Comparative Analysis of the Viewpoints of Manufacturing and Financial Service-Rendering Organizations. *IUP Journal of Accounting Research & Audit Practices*, 13(1).
- [30]. Chuma, T. (2014). The Integrated Financial Management Information System and Its Effect on Cash Management in Eldoret West District Treasury, Kenya. *International Journal of Business and Social Science* 5(8), 23-48.
- [31]. Constâncio, V. (2012). *Opening remarks at the third conference on accounting, financial reporting and corporate governance for central banks*, speech, Frankfurt am Main, 4 June.
- [32]. Creswell J. W. (2008). Mixed methods research. The Sage encyclopedia of qualitative research methods. 527-30. *Sage reference online*.
- [33]. De Oliveira, J. A., De Oliveira, O. J., & De Nade, J. (2010, May). Integrated Management Systems in Industrial Companies of the São Paulo State–Brazil. In *POMS 21st annual conference. Vancouver, Canada, May* (pp. 7-10).
- [34]. Deegan, C., & Unerman, J. (2006). *Financial Accounting Theory* (European ed.). Maidenhead: McGraw-Hill Education.
- [35]. Dener, C., & Min, S. (2013). *Financial Management Information Systems and Open Budget Data: Do Governments Report on Where the Money Goes?* Washington, DC: World Bank.
- [36]. Dorotinsky, W., & Watkins, J. (2017). *Government Financial Management Information Systems*. In: R.AllenR.Hemming and B.Potter (eds.). *The International Handbook of Public Financial Management*. New York: Palgrave Macmillan.
- [37]. Drymiotis, G., & Hemmer, T. (2013). On the stewardship and valuation implications of accrual accounting systems. *Journal of Accounting Research*, 51(2), 281-334.
- [38]. Francis, U., & Ayoola, A. O. (2016). Accounting Information System As Aids To Managerial Performances.
- [39]. Gachithi, E. (2010). The Challenges of budget implementation in Public Institutions: A case study of University of Nairobi. *Unpublished MBA Project. University of Nairobi*.
- [40]. Giese, J. (2017). *The Effect of Managements' Financial Statement Manipulations on Unsophisticated Investors' Corporate Securities Valuation Judgments* (Doctoral dissertation, Northcentral University).
- [41]. Haaramo, V., Palmuaro, S. & Peill, E. (2015). *IFRS-raportointi*. Helsinki: Talentum Media Oy.
- [42]. Halonen, K. & Steiner, M. (2009). *Tilintarkastusprosessi käytännössä*. Helsinki: WSOY.
- [43]. Heinle, M. S., & Hofmann, C. (2011). Soft information and the stewardship value of accounting disclosure. *Or Spectrum*, 33(2), 333-358.
- [44]. Hendriks, C. J. (2018). Integrated Financial Management Information Systems: Guidelines for effective implementation by the public sector of South Africa. *South African Journal of Information Management*, 15(1), 1-9.
- [45]. Hendriksen, E.S., & Van Breda, M.F. (1992). *Accounting Theory*, Fifth Edition. Homewood and Boston: Richard D. Irwin, Inc.



- [46]. Hong, P.T.D., Anh, V.T.K, Tran, M.D. (2015). Disadvantages and Motivation of Consolidated Financial Statements Preparation in Vietnam. *International Journal of Economics and Finance*; 10(3); 36-46.
- [47]. Hove, M., & Wynne, A. (2018). *The experience of medium term expenditure framework & integrated financial management information system reforms in sub-Saharan Africa: What is the balance sheet?* Retrieved November 22, 2018 from [http://www.acbf-pact.org/knowledge/documents/Occasional\\_Paper\\_9.pdf](http://www.acbf-pact.org/knowledge/documents/Occasional_Paper_9.pdf)
- [48]. Hui, W. (2012). Accounting Standards Making on the Basis of the Public Policy Analysis Method. *Procedia Engineering*, 37, 192-196.
- [49]. IASB. (2009). *International Financial Reporting Standard for Small and Medium sized Entities (IFRS for SMEs)*. London: International Accounting Standards Board.
- [50]. IASB. (2010). *Conceptual Framework for Financial Reporting 2010*. London: The IFRS Foundation.
- [51]. IFRS (2011a). Consolidated financial statements. Retrieved October 26, 2018 from <https://www.iasplus.com/en/standards/ifrs/ifrs10>
- [52]. IFRS (2011b). *Joint arrangements*. retrieved October 26, 2018 from <https://www.iasplus.com/en/standards/ifrs/ifrs11>
- [53]. IFRS (2011c). *Disclosure of interest in other entities*. Retrieved August 17, 2018 from <https://www.iasplus.com/en/standards/ifrs/ifrs12>
- [54]. Kahari, C. K., Gathongo, G., & Wanyoike, D. (2019). Assessment of factors affecting the implementation of integrated financial management information system in the county governments: A case of Nyandarua county, Kenya. *International journal of economics, commerce and management, United Kingdom*, 11(11).
- [55]. Kam, V. (1990). *Accounting Theory*. New York: John Wiley & Sons.
- [56]. Kamwenji, J. M. (2018). The effect of adoption of international financial reporting standards on the quality of accounting information of deposit taking Saccos in Nairobi County. *International Journal of Business and Management Invention*, 1(1), 36-45.
- [57]. Kanyugi, A. M. (2014). A Framework for Determining the Level of Success in the implementation of financial management information systems. *IOSR Journal of Business and Management*. Nairobi: JKUAT.
- [58]. Koech, G. M. (2017). The Effect of Budgetary Controls on Financial Performance of Manufacturing Companies in Kenya (Doctoral dissertation, School Of Business, University of Nairobi).
- [59]. Kopia, J. (2016, April). Study on integration and leadership styles of Management Systems based on a high level structure. In *International Conference on Management, Leadership & Governance* (p. 431). Academic Conferences International Limited.
- [60]. Kothari, B. L. (2009). *Research Methodology: Tools and techniques*. New Delhi: ABD Publishers.
- [61]. Kumar, J. R. (2013). Accounting standards-National and international level—A comparative study. *Asian Journal of Research in Banking and Finance*, 3(3), 21-27.
- [62]. Kwena, F. I. (2013). Factors influencing the use of integrated financial management and Information systems in public sector. *Strategic Journal of Business & Change Management*. Nairobi.
- [63]. Lai, A., Melloni, G., & Stacchezini, R. (2017, September). Integrated Reporting and Preparers' accountability: A Matter Of Context. In *10th Annual Conference of the EuroMed Academy of Business*.
- [64]. Leitner-Hanetseder, S., & Stockinger, M. (2014). How Does the Elimination of the Proportionate Consolidation Method for Joint Venture Investments Influence European Companies? *Journal of Finance and Risk Perspectives*, 3 (1), 1–18.
- [65]. Lianzuala, A. & Khawlhing, E. (2008). *Mizoram IFMIS Project*, Retrieved November 21, 2018 from <http://www.docstoc.com/docs/39661608/Mizoram-IFMIS-Project>
- [66]. López, C. (2013). Gestión del cambio en la implementación de SIAF. *International Workshop for IFMIS Coordinators*. Washington, DC: Inter-American Development Bank.
- [67]. Maake, B. (2012). *IFMS presentation to the CFO Forum*. Retrieved November 22, 2018 <http://oag.treasury.gov.za>
- [68]. Mahboub, R. (2017). Main Determinants of Financial Reporting Quality in the Lebanese Banking Sector. *European Research Studies*, 20(4B), 706-726.
- [69]. Maier, D., Vadastreanu, A. M., Keppler, T., Eidenmuller, T., & Maier, A. (2015). Innovation as a

part of an existing integrated management system. *Procedia Economics and Finance*, 26, 1060-1067.

[70]. Malki, S. (2016). Towards an Integrated Management System: A Hypothetical Case. *Journal of Management Policy and Practice*, 17(1), 71.

[71]. Marivic, A. (2009). Evaluating the Security of Computerized Accounting Information Systems. An empirical study on Egyptian Banking Industry, PhD Thesis. Aberdeen University, UK.

[72]. Maxwell, J. A. (1992). Understanding and validity in qualitative research. In A. M. Huberman & M. B. Miles (Eds.), *The qualitative researcher's companion*, (pp. 37-64). Thousand Oaks, CA: Sage Publications, Reprinted from Harvard Educational Review. 62(3), 279-300.

[73]. McConville, D., & Cordery, C. (2018). Charity performance reporting, regulatory approaches and standard-setting. *Journal of Accounting and Public Policy*.

[74]. Mezoh, M.A.P. (2008). *Integrated Management Systems- A qualitative study of the levels of integration of three Danish Companies*. Master's Thesis, Aalborg University.

[75]. Min, J. Z. (2015). The alignment of integrated management systems and business objectives: a case study approach applied to small and medium enterprises in Singapore.

[76]. Ministry of Economic Development. (2011). *Cabinet paper: Review of Financial Reporting Framework – Primary Issues*. Wellington: Ministry of Economic Development.

[77]. Mkasiwa, T. A. (2014). SMEs' Financial and Differential Reporting-A Review of Publications. *International Journal of Accounting and Financial Reporting*, 4(2), 82-103.

[78]. Moscariello, N., Skerratt, L., & Pizzo, M. (2014). Mandatory IFRS adoption and the cost of debt in Italy and UK. *Accounting and Business Research*, 44(1), 63-82.

[79]. Moyo, J., Nandwa, B., Odour, J., & Simpasa, A. (2014). Financial Sector Reforms, Competition and Banking System Stability in Sub-Saharan Africa. Macroeconomic Challenges Facing Low-Income Countries. *New Perspectives*, 30-31.

[80]. Mugaga, S. (2017). *The effects of integrated financial management information system (IFMIS) on the financial statements* (Doctoral dissertation, Selçuk Üniversitesi Sosyal Bilimler Enstitüsü).

[81]. Mugenda, O. & Mugenda, A. G. (2003). *Research Methods: Qualitative and Quantitative Approaches*. Nairobi: Africa Center for Technology Studies.

[82]. Muhakanizi, K. (2018). Strengthening Public Financial Management and Accountability. *Ministry of Finance, Planning and Economic Development*, 1-13.

[83]. Muller, V.O. (2010). *Developments and Enquires In The Field Of Consolidated Financial Statements*. Retrieved August 13, 2018 from [https://doctorat.ubbcluj.ro/sustinerea\\_publica/rezumat/2010/contabilitate/Muller\\_Victor\\_EN.pdf](https://doctorat.ubbcluj.ro/sustinerea_publica/rezumat/2010/contabilitate/Muller_Victor_EN.pdf)

[84]. Müller.O. (2013). The Impact of IFRS Adoption on the Quality of Consolidated Financial Reporting. *Procedia - Social and Behavioral Sciences*, 109 (8), 976-982.

[85]. Murphy, T., & O'Connell, V. (2013). Discourses surrounding the evolution of the IASB/FASB Conceptual Framework: What they reveal about the "living law" of accounting. *Accounting, Organizations and Society*, 38(1), 72-91.

[86]. Murungi, S., & Kayigamba, C. (2015). The Impact of Computerized Accounting System on Financial Reporting in the Ministry of Local Government of Rwanda. *Journal of Emerging Trends in Economics and Management Sciences (JETEMS)*, 6(4), 261-265.

[87]. Mutui, M., & Chirchir, M. K. (2017). Integrated Financial Management Information Systems and Procurement performance of the public sector in Kenya. *Unpublished Dissertation, University of Nairobi*.

[88]. Nagshbandi, N., & Ombati, R.M. (2018). Issues, Challenges And Lessons For Ifrs Adoption In Kenya And Other Adopters. *International Research Journal Of Management And Commerce*, 8, 97-113.

[89]. National Bank of Burundi (2018). Annual Report on the Status of Commercial Banks in Burundi. Retrieved April 3, 2019 from <http://www.nbb.com/bankingstatus/>

[90]. Nilsson, F., & Stockenstrand, A. K. (2015). Financial accounting and management control. *The tensions and conflicts between uniformity and uniqueness*. Springer, Cham.

[91]. Njenga, A. N. (2013). The relationship between financial management reforms and the economic performance of public sector in Kenya.



*Research journal of finance and accounting*. Nairobi: University of Nairobi.

[92]. Njeru, B. G. (2017). *Effect Of Integrated Financial Management Information System On Public Expenditure management In Kenya* (Doctoral dissertation, KCA University).

[93]. Njonde, J. N., & Kimanzi, K. (2018). Effect of integrated financial management information system on performance of public sector: A case of Nairobi County Government. *International Journal of Social Sciences and Entrepreneurship*, 1(12), 913-936.

[94]. Njoroge, M.N. (2015). *Factors Influencing the Implementation of the Integrated Financial Management Information Systems in Managing Project Funds in Mombasa County, Kenya*. Master's thesis, University of Nairobi.

[95]. Nkurunziza, D.J., Ndikumana, L., & Nyamoya, P. (2012). The Financial Sector in Burundi. *NBER Working Paper No. 18289*. Retrieved August 17, 2018 from <http://www.nber.org/papers/w18289>

[96]. Nobes, C. (2014). *International Classification of Financial Reporting*. Retrieved August 13, 2018 from <https://www.taylorfrancis.com/books/9781317816386>

[97]. Nobes, C. W., & Stadler, C. (2015). The qualitative characteristics of financial information, and managers' accounting decisions: evidence from IFRS policy changes. *Accounting and Business Research*, 45(5), 572-601.

[98]. Odoyo, F., Selfano, , Adero, P., & Chumba, S. (2014). Integrated Financial Management Information System and its effect on Cash Management in Eldoret West District Treasury, Kenya. *International Journal of Business and Social Science*, 5(8), 31-37.

[99]. Ogachi, V., & Muturi, W. (2016). Factors affecting the implementation of Integrated Financial Management Information Systems in selected County Governments of Kenya, *IOSR Journal of Business and Management (IOSR-JBM)*, 18(10), 95-104.

[100]. Olali, A. E., & Nyamwange, O. (2019). *Integrated Financial Management Information System Adoption and Public Procurement Performance in Kenya*. Unpublished MBA project.

[101]. Omokonga, B. S. (2014). The Effect of Integrated Financial Management Information System on the Performance of Public Sector

Organizations *United States International University. Unpublished Thesis. Kenya*, 1-80.

[102]. Omondi, D. B., Amuhaya, I., & Kibet, Y. (2016). Role of Integrated Financial Management Information System on Organizational Performance, a case study of West Pokot County *International Journal of Management and Commerce Innovations*, 4(2), 84-92.

[103]. Ondimu, R. M. (2013). Factors affecting Implementation of Integrated Financial Management Information Systems (IFMIS) at Kenya Bureau of Standards. *Masinde Muliro University of Science and Technology*.

[104]. Onduso, E. A. (2013). The effect of budgets on financial performance of manufacturing companies in Nairobi County. *Unpublished MBA Thesis, University of Nairobi*.

[105]. Oni, A. A. (2015). Computer assisted audit techniques and audit quality in developing countries: Evidence from Nigeria. *Journal of Internet Banking and Commerce*, 20(2), 1-17.

[106]. Opar, B., & Omondi. (2016). Aligning Technical Capability with Integrated Financial Management Information System and Supply Chain Measures in the Kenyan Public Sector.

[107]. Opiyo, A. N. (2017). *Effects of Integrated Financial Management Information System (IFMIS) on Cash Management in Kenya: A Case of Kisumu County Government*. Doctoral dissertation, The Catholic University of Eastern Africa.

[108]. Osman, A. H. (2017). *Determinants Of Compliance With International Financial Reporting Standards By Firms Listed At The Nairobi Securities Exchange* (Doctoral dissertation, School Of Business, University Of Nairobi).

[109]. Otundo, M.M.R. (2015). Determinants of Integrated Financial Management Information Systems Strategy Implementation in Devolved Units In Kenya; A Case of Kisii County Government. Retrieved November 21, 2018 from <https://s3.amazonaws.com/academia.edu.documents/38278466/>

[110]. Pawsey, N. L. (2017, June). IFRS adoption: A costly change that keeps on costing. In *Accounting Forum*, 41(2), 116-131.

[111]. Paz, V., & Griffin, T. (2009). Impact Of IASB & FASB On Financial Statements. *International Business & Economics Research Journal*, 8(8).

[112]. Pelger, C. (2016). Practices of standard-setting—An analysis of the IASB's and FASB's

process of identifying the objective of financial reporting. *Accounting, Organizations and Society*, 50, 51-73.

[113]. Perafan, P. (2017). *Impact of IFRS on the quality of financial information in the United Kingdom and France: Evidence from a new perspective*. Retrieved August 17, 2018 from <http://www.intangiblecapital.org/index.php/ic/article/view/939/664>

[114]. Phan, D. (2014). *Examining key determinants of International Financial Reporting Standards (IFRS) adoption in Vietnam: An institutional perspective*. Retrieved August 13, 2018 from <http://maint.ssrn.com.s3-website-us-east-1.amazonaws.com>

[115]. Rodin-Brown, E. (2008). *Integrated Financial Management Information Systems: A practical guide*. Retrieved November 22, 2018 from [http://pdf.usaid.gov/pdf\\_docs/PNADK595.pdf](http://pdf.usaid.gov/pdf_docs/PNADK595.pdf)

[116]. Rotich, E. C. (2017). *The Impact Of Accounting Information System On Effectiveness Of Manufacturing Firms In Kenya*. Retrieved November 22, 2018 from <http://erepository.uonbi.ac.ke/bitstream/handle/11295/103146/>

[117]. Rozner, S. (2008). *Best practices in fiscal reform and economic governance. Introducing integrated financial management information systems*. Retrieved November 22, 2018 from [http://blog-pfm.imf.org/pfmblog/files/ifmis\\_bpn\\_web1.pdf](http://blog-pfm.imf.org/pfmblog/files/ifmis_bpn_web1.pdf)

[118]. Rutherford, B. A. (2017). New Pragmatism and Accountants' Truth. *Philosophy of Management*, 16(2), 93-116.

[119]. Rutumwako, C., & Kaneza, A. (2018). *The New Banking Law: An Ambitious Reform?* Retrieved August 17, 2018 from <http://trustjuris.com/the-new-banking-law-an-ambitious-reform>.

[120]. Samsiah, S., & Lawita, N. F. (2017). Review the Readiness of MSMEs in Indonesia Compliance with Accounting Standards Micro, Small and Medium Enterprise (SAK EMKM). *Jurnal Akuntansi dan Ekonomika*, 7(2), 115-120.

[121]. Saunders, M. Lewis, P., & Thornhill, A. (2012). *Research Methods for Business Students* (6<sup>th</sup> ed.). Harlow: Pearson Education Limited.

[122]. Sawant, N. (2016). *Developing a quality management system for an electronics product*

*manufacturing company*. State University of New York at Binghamton.

[123]. Schick, A. (2013). *Reflections of Two Decades of Public Financial Management Reforms*. In: Cangiano M.T. Curristine and M.Lazare (eds.) *Public Financial Management and its Emerging Architecture*. Washington, DC: International Monetary Fund.

[124]. Schmachtenberg, F. (2014). *Deal Structures in the Life Sciences Industry and their Financial Statement Implications*. University of St. Gallen, Switzerland. Doctoral Dissertation.

[125]. Sekaran, U. (2003). *Research Methods for Business, a skill building Approach*. USA: Hernitage Publishing Service.

[126]. Sekyere, A. M., Amoateng, A. K., & Frimpong, K. (2017). The Determinants of Computerized Accounting System on Accurate Financial Report in Listed Banks on the Ghana Stock Exchange. *International Journal of Finance and Accounting*, 6(4), 104-110.

[127]. Selakovic, K. (2016). *Integration and Auditing of Management Systems and Implementation of Customer Satisfaction Standards in Serbia* (Doctoral dissertation, University of Alberta).

[128]. Selfano, O. F., Peninah, A., & Sarah, C. (2014). Integrated financial management information system and its effect on cash management in Eldoret West District treasury, Kenya. *International Journal of Business and Social Science*, 5(8).

[129]. Sheriff, G., & Saleh, D. (2014). Globalization and the Emergence of Government Integrated Financial Management Information System (GIFMIS): The Nigeria's Experience. *Journal of Economics and International Business Research (JEIBR)*, 2(3), 37-47.

[130]. Shiraj, M. M. (2015) The impact of using computerized accounting systems (cas) in financial reporting among SMEs:(Special Reference to the South Eastern Region, Sri Lanka). Retrieved November 22, 2018 from <http://www.seu.ac.lk/researchandpublications/symposium/5th/abstract/businessandmanagement/16.pdf>

[131]. Siaga, S.F. (2012). *Challenges to the adoption of international finance reporting standards in Africa*, Master's thesis, University of Johannesburg .

[132]. Simões, F. D. (2012). *Legal Capital Rules in Europe: Is there still room in credit protection?* Retrieved August 13, 2018 from the SSRN eLibrary database.



- [133]. Smalt, S. W., & McAllister, J. P. (2015). Convergence of US-GAAP And International Standards: The Critical Issues. *International Business & Economics Research Journal*, 2(8).
- [134]. Sugut, O. C. (2012). The Effect Of Computerized Accounting Systems On The Quality Of Financial Reports Of Non-Governmental Organizations In Nairobi County, Kenya. *Signature*, 61, 79527.
- [135]. Sunder, S. (2016). Rethinking financial reporting: Standards, norms and institutions. *Foundations and Trends® in Accounting*, 11(1-2), 1-118.
- [136]. Suojanen, W. W. (1954). Accounting Theory and the Large Corporation. *The Accounting Review*, 29(3), 391-398.
- [137]. Suojanen, W. W. (1958). Enterprise Theory and Corporate Balance Sheets, *The Accounting Review*, 33(1), 56-65.
- [138]. Taipaleenmäki, J., & Ikäheimo, S. (2013). On the convergence of management accounting and financial accounting—the role of information technology in accounting change. *International Journal of Accounting Information Systems*, 14(4), 321-348.
- [139]. Teixeira, A. (2015). Conceptual framework for financial reporting: an introduction to the special issue." *Accounting and Business Research*, 45(5), pp. 545–546.
- [140]. Trucco, S. (2015). Financial Accounting and Alignment to Management Accounting in the Italian Context. In *Financial Accounting* (pp. 83-132). Springer, Cham.
- [141]. Tumwine, S., Nasiima, S., & Kamukama, N. (2014). Human Capital Elements and their Influence on Performance Evidence from Ugandas Manufacturing Firms. *Global Journal of Management and Business Research*, 7(2), 41-52.
- [142]. Velde, A. A. (2010). *Financial statement analysis and valuation of the Carlsberg Group*. Retrieved August 13, 2018 from [http://studenttheses.cbs.dk/bitstream/handle/10417/1521/alexander\\_aagesen\\_velde.pdf?sequence=1](http://studenttheses.cbs.dk/bitstream/handle/10417/1521/alexander_aagesen_velde.pdf?sequence=1)
- [143]. Wainaina, A. N., & Makori, M. (2019). Determinants of Performance of an Integrated Financial Management Information System in Public sector in Kenya. Case of National Treasury. Kenya. *The Strategic Journal of Business and Change Management*, 2(90), 1243-1284.
- [144]. Wainaina, M. (2019). The effects of integrated financial management information system on financial performance of commercial state corporations in Kenya. *Unpublished MBA Project, University of Nairobi*.
- [145]. Wamuyu, K. (2013). The effect on Integrated Financial Management Information System on Financial Management and service delivery of Government Ministries in Kenya.
- [146]. Wanyoike, M. N. (2015). *Factors Influencing the Implementation of the Integrated Financial Management Information Systems in Managing Project Funds in Mombasa County, Kenya*. Master's thesis, University of Nairobi.
- [147]. Watson, D., & Head. A. (2010). *Corporate Finance: Principles and Practice*. England: Prentice Hall Inc
- [148]. Yasir, M. (2018). *Accounting Conservatism and Firm Investment Efficiency* (Doctoral dissertation, Capital University).
- [149]. Zeff, S. A. (2013). The objectives of financial reporting: a historical survey and analysis. *Accounting and Business Research*, 43(4), 262-327.
- [150]. Zikmund, W. G., Babin, B.J., Carr, J.C., & Griffin, M. (2010). *Business research methods* (8<sup>th</sup> ed.). New York: South-Western/Cengage Learning.