KOCAELI UNIVERSITY
INSTITUTE OF SOCIAL SCIENCE
DEPARTMENT OF BUSINESS
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THE EFFECTS OF WORKING CAPITAL MANAGEMENT AS A COMPONENT OF FINANCIAL MANAGEMENT ON FIRMS' EFFICIENCY: CASE OF TURKISH AND ZIMBABWEAN COMMERCIAL BANKS

(MASTERS THESIS)

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ABSTRACT

Working capital management refers to the operational strategy for verifying current assets and liabilities in a business. Businesses can have working capital at an appropriate level, which will maximize the value of the business and the efficiency of the company. This research therefore studies the impact of capital management, improving the efficiency of commercial banks in two countries. For this study, the banks chosen were from Zimbabwe and Turkey. The study was carried out from the audited financial statements of 10 samples from Zimbabwe and 10 Turkish commercial banks from 2009 to 2017. Performance measured in terms of efficiency by return on equity (ROE) and return on Assets are variable, profitability depends on Working capital is determined by the current ratio, the current ratio and the total cash ratio, which is used as a variable independent of working capital. In addition, the size of the bank, measured by the logarithm of income and leverage, is used as a control variable. The data were studied using SPSS (version 20.0), a correlation analysis estimation equation and a regression model, pooled cross-sectional data and time series. The results show that there is a positive relationship between ROE and the current ratio and the relationship is determined at a significant level of 5%. On the other hand, the results also show that there is a significant negative relationship between the ROE ratio and the current ratio. Covers liquidity and total cash ratio and bank ROE. There is no significant relationship between the ability to pay cash and the overall cash ratio and return on assets. On the other hand, the result shows that there is a significant negative relationship between the current ratio and the return on assets. Other studies indicate that Turkish banks outperform Zimbabweans in terms of liquidity hedging as they try to comply with the Basel III reform implemented by the Basel Committee on Banking Supervision (BCBS). The study also recommends that Zimbabwe's banks implement these measures in order to remain calm and competitive in the international banking world.

Keywords: working capital management, efficiency, liquidity

LIST OF ABBREVIATIONS

BCSB: Basel Committee on Banking Supervision

CAR: Capital Adequacy Ratio

CCC: Cash Conversion Cycle

FE: Fixed Effects

LEV: Leverage

Ln Sales: Firm Size of

RE: Random Effects

ROA: Return on Assets

ROE: Return on Equity

SPSS: Statistical Package for Social Science

WCM: Working Capital Management

ZSE: Zimbabwe Securities Exchange

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INTRODUCTION

In a competitive banking environment, banks can survive if they are efficient. The survival of banking institutions often depends on the efficiency of the system. Efficiency leads to profitability, which increases the value of banks and helps to easily attract additional investment (Gitman, 2007: 84). Operate the institution if its effectiveness has been proven (Anyanwaokoro, 1996: 67) Effectiveness is not only a result. It is a necessary condition for banks to be effective in an environment filled with other financial institutions. Efficiency is at the heart of the fundamental objectives of banking management (Bobáková, 2003: 18). The business processes and the ability to generate profits are with investors mainly depends on the level of efficiency of the bank. The profitability of the bank allows it to grow continuously without the need for shareholders. Alternatively, potential investors are also attracted to the bank if their profitability and other performance indicators match their objectives. Profitability is often used as a tool to strengthen the financial position of financial institutions. The accumulated profits are at all times a shelter for the bank in the event of possible future losses and guarantee that the bank will remain viable (Diebold and Yilmaz, 2013: 97). Ineffective financial institutions that fail make the most profit on their primary capital and receive the risk of equity. The efficiency of the bank guarantees the survival and flexibility of the bank even in the event of a problem.

The main objective of the study is summarizing the efficiency of the banking sector in Zimbabwe and Turkey during the period 2009-2017. Question time is different in the banking sector in Zimbabwe and in Turkey because before in the face of the 2008 global financial crisis, in research, we will try to offer solutions to the following questions: How does the banking sector work after all World The 2008 financial crisis? What measures regarding policy should be used to improve the efficiency of the banking sector, especially in Zimbabwe? A different approach from other similar studies was borrowed in order to focus on a single period after the global financial crisis of 2008.

In Zimbabwe, many foreign currencies are used. But the Zimbabwe Central Bank and the Ministry of Finance have limited mechanisms to control credit growth. In Turkey, the Basel Banking Regulatory Commission as a tool to resolve the financial crisis in 2008 introduced certain banking reforms. These measures aim to guarantee effective monitoring of banks.

This research paper includes the following topics: Chapter 1 examines the main objectives of the research study. This chapter discusses the context that leads to the study of research questions and the importance of education. The second chapter examines the academic literature that students advise in order to clearly understand the reliable sources of working capital management. The third chapter puts the focus on methods of direct study of the hypothesis and research results. The fourth chapter is supplemented by a summary of the results, a full summary and some recommendations.

CHAPTER 1

CONCEPTUAL FRAMEWORK

1.1 Background of the Study

This chapter makes known to the readers the beginning of the study. It highlights the background of the study, which provides context to the information deliberated in the research paper. In this chapter, the reader is acquainted with the meaning of the phrase working capital and also working capital management, efficiency in financial terms as well as the various aspects of working capital management on efficiency. Next comes the statement of problem, which outlines the problems addressed by the research. This section of the research also includes the research objectives of the study, research questions that were answered as well as why the research has been carried out in the significance of the study section. In the scope of the study area, the researcher highlights how and where the study was carried out, as well as how the data was gathered.

The banking sector is one of the most important tools for national development, which plays an indispensable role in a country’s economy. Economic growth is often manifested by the rigidity of the banking system. The liberalization of financial markets and various economic reforms led to important changes in the banking sector, which led to a competitiveness and technological development that ushered in a new era in the banking sector. Banks have since made a concerted effort to be financially robust and efficient (Bhattacharya, 2006: 67).

The effective and proficient management of working capital funds has the potential to make banks more profitable as well as improve its financial efficiency while maintaining the traditional and necessary function of the safety for deposits (Afza & Nazir, 2007: 48). Traditionally commercial banks are believed to have relied more on asset management rather than a liability and capital funds management to attain profitability and liquidity objectives. Once deposits are collected, the emphasis is placed on the means to invest the lent funds that have been attracted, subject to whatever liquidity constraint in the economy (Joshi, 2013: 197).

Recent years have witnessed a modification in the emphasis of management to embrace adjustments to liabilities as to meet their objectives of liquidity and profitability. If working capital management of commercial banks is not of great precedence, the bank will be forced to fund its operations by other expensive means. A significant issue is a trend to focus on the maturity of assets as well as liabilities in dissimilar tenors. A challenge posed in trying to match these assets and liabilities is changed in macro-economic variables which include interest rates, inflation and exchange rates (Gulde et al., 2004: 108).

Over the past two decades in Zimbabwe, it has been noticed that there was a massive decline in confidence in the financial services sector, commercial banks being the main culprits and depositors being the major victims. A number of commercial banks were placed under curatorship and the deposit base declined dismally (RBZ, 2016: 16). In terms of working capital management, it has been argued that commercial banks were reluctant to implement sound policies; however, some pundits argue that changes in macro variables largely inhibited efficient working capital management.

It is believed that unethical bank practices were noted in the baking industry in Zimbabwe, which resulted in banks adopting riskier or excessively expansionary strategies at the expense of depositors' and investors' funds. Despite the fact that there were sure checks to chance taking, conditions created which drove a few financiers subject to moral peril, unknowingly to receive a lot more dangerous systems, especially where economic situations had disintegrated the existent estimation of the value holders net situation to a point which they and the administration had nothing further to lose from unsafe practices and a considerable amount to pick up.

In the case of inflation, interest rates and inflation, managing current assets and liabilities is necessary to maintain satisfactory growth in organizational performance. As a result of regulation, competition for cash has become a management priority. The era of liquidity and increased competition continues, especially with the participation of banking institutions. The environment emphasized the need for competitive pricing, and in practical cases, more manageable and manageable to reflect relative risks.

The main objective is to achieve stability and widen the gap between the interest rates owed on capital and the interest earned on bank assets while ensuring liquidity and an acceptable level of risk (Gale and Vives, 2002: 262).

Thus, the management of working capital, operational departments, processes and practices has changed in recent years. In addition, because of the volatility and weakness of today's financial markets, the need for more efficient capital has increased. The appropriation of such systems by these directors is likewise fundamental for a coordinated way to deal with dealing with the dangers related with monetary record and wobbly sheet tasks (Gitman, 2007: 63).

Turkish banks are the fundamental monetary entities in Turkey and gained noteworthy ground during the worldwide financial crisis. They stand apart for their yearly development in credit, profitability and productivity. Development is conceivable in two different ways, natural/organic or inorganic growth. Natural or organic growth happens when a business develops from its own business activities by utilizing one-year's assets and resources to grow the business the next year. This development is a standard procedure that keeps going for a couple of years, yet businesses have an inherent need to grow quicker. Inorganic development has to do with external development and is viewed as the most favored method for quicker development. This happens when the organization merges with another company or by the procurement of another organization. For example, Alternative Bank (Abank), which held 70.8% of its stake in the Anadolu group bank obtained by the Commercial Bank of Qatar (CBQ) (Bayrakdaroğlu, 2013: 92).

An assortment of studies and scholastics look at the issue of working capital administration in a few different ways. In any case, there is by all accounts general understanding that overseeing working capital clearly affects a company's exhibition, benefits and market esteem (Deloof, 2003: 72). Subsequently, viable administration of working capital can have numerous advantages for every business. Others: quicken the installment of momentary duties to organizations (Strip et. Al, 2000: 82); this makes monetary proprietors conceivable. Give stable liquidity to financial development and long haul benefit (Ward et al, 1999: 256) and furthermore ensure a worthy connection between the organization's working capital, which ensures adequate capital (Rafuse 1996).

1.2 Working Capital

1.2.1 Working Capital Management Defined

Utilizing essential bookkeeping and budgetary examination, current resources can be characterized as present resources and liabilities of the endeavor. Net working capital speaks to a surplus among resources and current liabilities and is utilized as a marker of the organization's capacity to cover monetary liabilities. Prompt working capital administration includes the utilization of hazard moderation techniques that are conflicting with current liabilities and abstain from putting resources into current resources by creating and controlling current resources and liabilities (Lazaridis and Tryfonidis, 2006: 8).

Working capital administration is urgent for productivity and liquidity, and it is additionally a commonplace method for making benefit and liquidity for a business. Wolverhampton and Wagner (1989: 89) contend that the working capital approach depends on two alternatives: the degree of speculation suitable to current resources, and the decision of monetary venture. They additionally clarify that the degree of advantages and working capital of an organization is identified with the general structure of the organization and the progression of capital, which gives a trade off among productivity and hazard. In this way, working capital will be effectively utilized with general caution and organizations ought to keep up a base degree of money, exchange receivables and inventories. Notwithstanding, if there is greater unsteadiness, there ought to be an increasingly stringent approach that requires high saves and huge money adjusts.

In numerous business associations, liquidity is a central worry for budgetary supervisors. Thusly, the dangers and advantages of trade are significant in other working capital strategies. Venture systems and high hazard High working capital can be overseen ahead of time. The least hazard and return methodology is direct or suitable. In spite of the fact that the decrease in dangers and advantages is called additives (Moyer, McGuigan, and Kretlow 2005; Brigham and Gapenski, 1987), firms may incline toward proactive working capital administration with a present resource proportion of one hundred. It very well may be utilized to settle on money related business choices as high current liabilities, for example, a level of all out liabilities (Afza and Nazir, 2007: 26). Sathamoorthi (2002: 1020) found that the expansion in current resources to be decided sheet crusade has a negative impact. Generally speaking, current markers and benefit positively affect benefit and benefit. The primary objective of keeping up a decent harmony between the parts of each working capital is to oversee working capital. The working capital of all file resources demonstrates the organization's liquidity position for a specific timeframe. The accomplishment of a business relies upon the capacity of a budgetary supervisor to oversee money due and stock (Filbek and Krugar, 2005: 16).

1.2.2 Efficiency in terms of Financial Performance

The adequacy and proficiency of associations is a proportion of organization approach and financial productivity. These outcomes are introduced in the arrival on value of the organization, return on resources, return on the monetary record and its segments and the estimation of investors. An organization's money related execution quantifies an organization's capacity to utilize its center business resources, produce income and make an incentive for its investors.

Business execution is impacted by different outer and interior elements. It ought to be noticed that outside elements influencing a business undertaking, when in doubt, are not heavily influenced by the venture. This incorporates showcase favorable circumstances and observations, government guideline, and the nation's enactment and economy. Internal factors that may affect business performance are ownership structure, business risk management, business capital structure, corporate governance practices and functions, and company policy.

Traditional business execution pointers remember return for resources, degree of profitability, return on value, pace of return, net edge, current proportion, obligation proportion and acridity list. Current business execution pointers incorporate worth included and monetary worth created by Harsh Steward and Friends (2002: 64); All out profit for investors, pace of profit for incomes, created by experts of the Boston Gathering (1996: 76); Profit per offer and market cost.

According to the DuPont model created in collaboration with DuPont (1920), return on assets (ROA) is net sales revenue, which is commonly referred to as operating margin and total sale of assets. They are usually called active Business. Total assets incorporate fixed and current resources, and current resources incorporate gross working capital.

Along these lines, working capital administration choices directly affect resource turnover, which influences the general profit for resources.

The effectiveness of the banking sector is highly dependent on the working capital decisions made by the bank, since working capital is primarily comprised of current assets and liabilities. Some major current assets include securities, cash + cash equivalents and receivables (Horn and Wakowicz, 2005: 117).

1.2.3 Working Capital Management and Financial Performance

As an indicator, the degree of investment in current assets influences commercial enterprise performance. Excessive funding in working capital negatively impacts the profitability of the company and has a fine have an effect on liquidity. The find out about of the relationship between the degree of investment in present day belongings and efficiency has continually noted an inverse relationship in degree of correlation at the micro and macro levels. Working capital administration entails managing the relationship between a company's current assets and cutting-edge liabilities. The goal of working capital administration is to make certain that a business can function and have adequate liquidity to cowl short-term dues and future running costs (Afza and Nazir, 2009: 8). An enterprise can be characterized via belongings and profitability, but without liquidity, if its assets can't be easily converted into cash.

Working capital administration is viewed a very necessary factor in assessing the effectiveness of an organization. Working capital management, which can be viewed as an administration accounting strategy, targets to preserve high quality ranges of working capital, present day assets and contemporary liabilities relative to each other. Effective working capital management allows the agency to have sufficient liquidity to cover its non-permanent debt and working expenses.

Although the fundamental intention of the employer is to maximize profitability and beautify shareholder well-being, it is integral to strike a balance between liquidity and profitability in everyday operations to ensure the acceptable functioning and fulfilment of the company's obligations.

To see how much working capital impacts administration efficiency, you want to consider the company's money flow. As Shin and Soenen (1998: 42) stated in their study, a longer money conversion cycle can also indicate that a company's income are increasing and may counter tax deposit policy or greater stock. Conversely, a high cash conversion cycle can hurt a company's profitability, which takes time for the money to be tied to interest-free accounts, such as receivables. Shortening the money conversion cycle will end result in a net present value (NPV) of the company's cash flow, as cash will arrive faster.

Arnold (2005: 88) argued that if there used to be very little working capital, it would make stocks, completed goods, and client credit inaccessible enough. On the other hand, there have to be immoderate levels of working capital; The business has useless additional costs: the value of raising money and the cost of purchasing, ordering and processing overstock. This creates an imbalance in the elements of working capital, which makes management difficult, which is in practice a scenario faced by companies (small and quickly growing, as nicely as corporations). Therefore, the most important purpose of working capital administration is to enable business companies to help their activities with the integral money drift to repay long-term debt and temporary debt. Expenditure. Therefore, corporations need to try to gain this intention to decrease the lure of inefficient administration of working capital items in any case.

1.3 Statement of the Problem

According to Padachi (2006: 55), working capital management that is nicely orchestrated contributes positively to the advent of a firm’s value. This is additionally supported by way of Peel and Wilson (2000) who nation that the fantastic imaginative and prescient of working capital is vast to the economic well-being of businesses of all sizes. Since the investments in working capital regularly contain giant cash in percentage to the complete belongings employed, it is vital that this cash be utilized in an efficient and nice way.

Working capital management comes about through the conflicting responsibilities driven upon commercial banks. That is, to shareholders of profit-making (Return on Equity) and the other to repay depositors deposits on demand. These responsibilities, however, conflict because the first requires the bank to invest depositors’ funds in high yielding assets which tend to be less liquid and the second responsibility requires the bank to hold substantial quantity of liquid (and less profitable) assets (Gulde et al., 2004: 190).

The issue is the means by which to deal with the best working capital and oversee it viably to make an overflow of advantages without clashes among investors and financial specialists. Viable working capital administration can significantly affect both liquidity and benefit (Shin and Soenen, 1998: 40). From a liquidity point of view, an absence of working capital may clarify an element's wastefulness when it can't reimburse the obligations due. Then again, the organization won't have the option to give the merchandise or administrations required by purchasers without adequate working capital because of absence of cash to purchase products for the creation of merchandise. Accordingly, this can be a dangerous business for the organization (Gale and Vives, 2002: 480).

Between 1991 and 2016, RBZ liquidated or placed under supervision a number of Zimbabwean banks due to their long-term disaster problem (GoZ, 2016: 7). According to Kwenda (2014: 538), nearly 12 of the 21 banks in Zimbabwe went bankrupt and went bankrupt due to an inadequate capital base, inefficient fund management, excessive trade, and a lack of reliable regulation, control and unfair competition from foreign banks. How do Zimbabwean banks plan to expand working capital management? What are the current working capital items of Zimbabwean banks? What are the present working capital things of Zimbabwean banks? What is the final product of working capital administration in the financial part of Zimbabwe? These expressed issues, together with the exploration inquiries underneath, are what the analyst attempted to outline in the examination point so as to give his answers when building up this exploration.

1.4 Research Objectives

The examination has been persuaded by the longing to explore if there is any huge connection between working capital administration and the effectiveness of the business banking industry in Zimbabwe and Turkey.

The accompanying explicit targets guided the examination:

i. To analyze the central point influencing the administration of working capital inside the business banking part.

ii. To assess the working capital financing approach received by business banks.

iii. To break down the liquidity support and the effectiveness in value the executives to create a benefit of the banks.

iv. To make an examination and correlation of various working capital administration rehearses among Zimbabwean and Turkish business banks.

v. To give potential suggestions on the administration of working capital in business banks especially those in Zimbabwe.

1.5 Research Questions

The goals of the investigation would be accomplished by searching for answers to the accompanying questions;

- ✓ What is the business bank's picture corresponding to working capital?
- ✓ What are the central point influencing the administration of working capital inside the business banks of both Zimbabwean and Turkish banks?
- ✓ Which of the present resources are progressively tricky in the business bank's part?
- ✓ What are the loaning example of advance and advance and other venture?
- ✓ What are the parts of working capital, which influence the working salary of the business banking division?
- ✓ How can the Zimbabwean business banking area profit by the WCM rehearses utilized by Turkey which is a developing business sector economy?

1.6 Significance of the Study

Working capital is normally connected with the administration of an organization's present resources, in particular money and protections, receivables and innovators, and the monetary assets expected to help these present resources (Deloff, 2003: 35). Working capital is genuine and key in any business - it requires some investment, and botch can have disastrous results.

Basically, working capital is the sum a business needs to back its everyday tasks.

Conclusions on the working capital idea vary. All out working capital is characterized as the absolute working capital of an organization. Right now, job of business banks in creating nations, for example, Zimbabwe is getting progressively significant. The reason for this examination is to investigate the different working capital ideas and to decide the attainability of the working capital idea as far as better working capital arranging and control in Zimbabwe's perplexing macroeconomic condition. Also, in Turkey. This examination tries to break down WCM rehearses embraced by Turkish business banks and how these practices can be actualized by banks in Zimbabwe. The idea of gross working capital follows worldwide interest in working capital and its financing. System capital alludes to the abundance of current resources over current liabilities (Hoffman, 2011: 260).

Troubles in overseeing working capital likewise remember challenges for deciding the degree of interest in inventories, receivables, money and other transient interests in every segment of working capital. The principle job of working capital administration ought to be to build the venture effectiveness of the organization (Nazir and Afza, 2009: 28). Great arranging and great working capital control, or as such sufficient working capital, are critical to this.

1.7 Scope of the study

Much of the research was carried out in Turkey. The data was gathered from journals, textbooks, commercial banks and the internet. For efficiency purposes the data was reviewed on a sample basis. The sample composed of ten commercial banks from Zimbabwe and ten from Turkey; it was selected in such a way that it reflected the true features of the population. With the end goal of this examination the information was looked into secured the period 2008-2017.

CHAPTER 2

LITERATURE REVIEW

2.1 Definition of Terms

This part covers the hypothetical and direct writing on the part of working capital administration and furthermore examines what impact macroeconomics has on the successful administration of working capital in business banks. The target of this part is in this way to acclimate with the data composed by definitive sources about productive working capital administration by looking into applicable diaries, past research studies, papers and reading material.

This aims to explain the meaning of the terms used in the research.

2.1.1 Working Capital Management

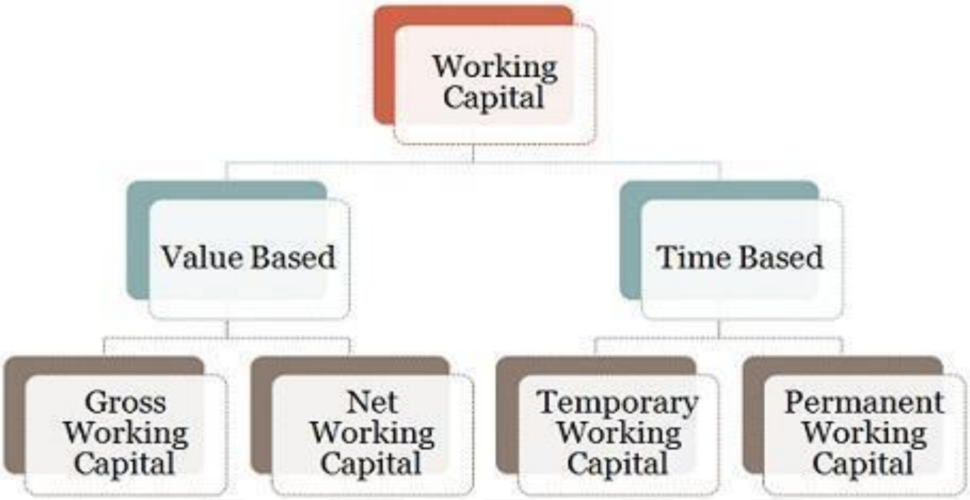
Working capital administration incorporates "making a lot of dynamic principles" and "sensibly related pointers of control" to assist administrators with assessing and change their exercises (Gittman, 1979: 38). The progress between current resources and current liabilities is called working capital. Net working capital administration comprises of two principle issues:

I. What is the aggregate sum of current assets for each record you need?
II. The most effective method to raise these working capital
A) Current resources, regularly alluded to as gross working capital, allude to current resources utilized in business.
B) Net resources can be named current resources less present liabilities.
C) NOWC Mandatory Capital Requirements mean current working resources, net of most current working liabilities, money, receivables and receivables in inventories, net of liabilities.

2.1.2 Categories of Working Capital

Based on the idea and the time, the working capital has been sorted into four principle types;

Figure 2.1: Categories of Working Capital



Source: Moyer et al (2005:89)

2.1.2.1 Gross working capital

Based on the idea and the time, the working capital has been sorted into four primary types; Total interests in current resources are deciphered as present resources for undertakings. This term doesn't reflect current liabilities. There are a few reasons why this idea is better:

• If you consider capital as a sum put resources into capital, the sum put resources into current resources ought to be considered as present resources.

• Regardless of the premise of the procurement, current resources are utilized in every day exercises, and their structures keep on developing. Consequently, they ought to be considered as present resources (Moyer et al., 2005: 76).

Gross working capital = total current assets

2.1.2.2 Net working capital

This is the idea of restricted working capital, which gives it current resources less current liabilities that structure working capital. Current resources in overabundance of current liabilities are recorded as present resources. This idea accentuates the subjective perspective that portrays the liquidity of an organization/firm (Pandey, 1999: 15).

Net working capital = current assets - current liabilities

2.1.2.3. Current assets or fixed assets

The interest for working capital is expanding because of the working cycle. The work cycle is a consistent procedure; hence, current asset prerequisites are constantly satisfied. The measure of current stocks, be that as it may, stays unaltered, expanding and diminishing after some time. Current land exchanges consistently require a base degree of working capital. This lower level of working capital is additionally called fixed or share capital. He is endless as the intensity of a procedure. Given the development of items and advertising, the requirement for extra capital without changeless business will increment.

The capacity to put resources into current resources may change after some time. In any case, even now, this is the most reduced degree of working capital that should be kept up before we keep on working. This is the base payout value important to keep up the work cycle. This is an interest in current resources claimed by a substance called Fixed Assets (Weston and Eugene, 1979: 87).

2.1.2.4 Variable or temporary working capital

The working capital surplus required to help deals and promoting changes is known as an impermanent workplace. The two sorts of working capital - lasting and transitory - are significant for creation and deal during an unpredictable cycle, however the controller produces brief incomes to satisfy the conditions for reimbursement of momentary obligation (Pandey, 1999: 18). Cash flow is required to cope with changes in the market and uncertain conditions in addition to fixed assets. In other words, any amount that exceeds a certain number of transactions or changes. Temporary financial resources, such as a bank loan, usually finance this type of working capital as these funds are not demanded on a permanent basis and are often repaid in the short or late period. (Smith, 1980: 65)

2.1.3 Current Assets

This reflects the relative value of temporary assets in a company. In this instance, Short-term relates to the year or period before the investment extends the cash flow period (for example, from sale to sale.) Various current assets are cash accounts are available. And they are available. According to Brealey et al (2001: 52), current assets include capital and security. Money is always available in dollar bills, but most of the money is in bank deposits. They may be on demand deposits (cash available on accounts that can be paid by the company immediately) and on the deposit period (cash only). The main tool for negotiating a trading paper (interim loans sold by other organizations). Other guarantees include mortgages on loans, short-term loans sold by state and federal governments and regional banks.

2.1.4 Current liabilities

Current liabilities are taken as commercial liabilities, which must be settled in cash during the current year. Current liabilities are existing debt, which include accumulated debt such as accounts payable for goods, services or utilities, short and long term loans, dividends and interest payments, or interest payments. (www.qfinance.com)

2.1.5 Difficult macroeconomic environment

According to SooCheong and Kwangmin (2011: 1031), a difficult macroeconomic environment is marked by an economic slowdown, deflation, reduced interest rates, a deterioration in public budget deficits, an increased credit risk, a decline in credit and various other problems that are economic in nature. Other macroeconomic factors incorporate, yet are not constrained to macroeconomic factors, for example, GDP development, swelling, momentary genuine loan fee, government spending shortage, credit spread, private credit and corporate duty rate, which can likewise be considered.

2.2 Working capital management

Working capital enhancement implies lower working capital prerequisites and higher incomes. Expanded working capital methods negative income; a fall implies positive income. Incomes are estimated by changes in working capital and not by working capital level. Powerful working capital administration builds the free income of the association, which expands the open doors for business development and investor productivity. In spite of the fact that organizations have generally gotten a financial limit and a long haul capital structure, the productivity of working capital administration is progressively aimed at numerous organizations in various organizations. All in all, working capital administration examination should concentrate on receivables and obligation as opposed to progresses and transferable pay things (Patel and Davidsson, 2011: 46).

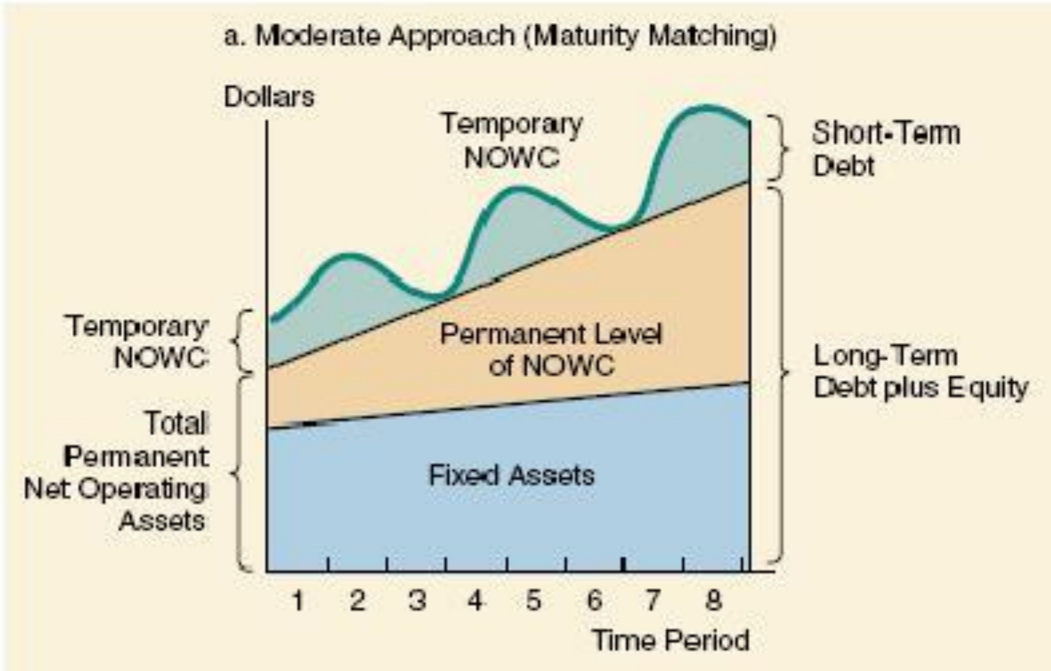
2.2.1 Working capital management methods

All companies are required to generate net working capital (NOWC) as the economy strengthens, but as the economy shrinks, it sells stocks and reduces accounts receivable. However, NOWC is almost zero. Companies have a permanent NOWC at the bottom of the cycle. Then, as sales grow during the rally, NOWC needs to improve and install additional NOWCs for a temporary NOW. A permanent and temporary way to attract NOWC is called short-term financing.

2.2.1.1 Maturity Matching or Self-Liquidating Approach

A way to deal with development or "self-selling" necessitates that benefits and liabilities have a development period, as appeared in Figure 2.2. This system diminishes the danger that the association won't have the choice to repay the commitment. To illustrate, the organization gets for the year and utilizations the cash it acquires to manufacture and prepare the plant. The credit should be recharged on the grounds that the industrial facility income (benefit and amortization) is deficient to reimburse the advance in only one year. In the event that for reasons unknown the bank won't proceed with the credit, the business will have issues. In any case, if the processing plant were financed by long haul obligation, reimbursement of the chief would be increasingly fitting for incomes from deterioration and gainfulness, and no recuperation issues would emerge.

Figure 2.2 Moderate Approach



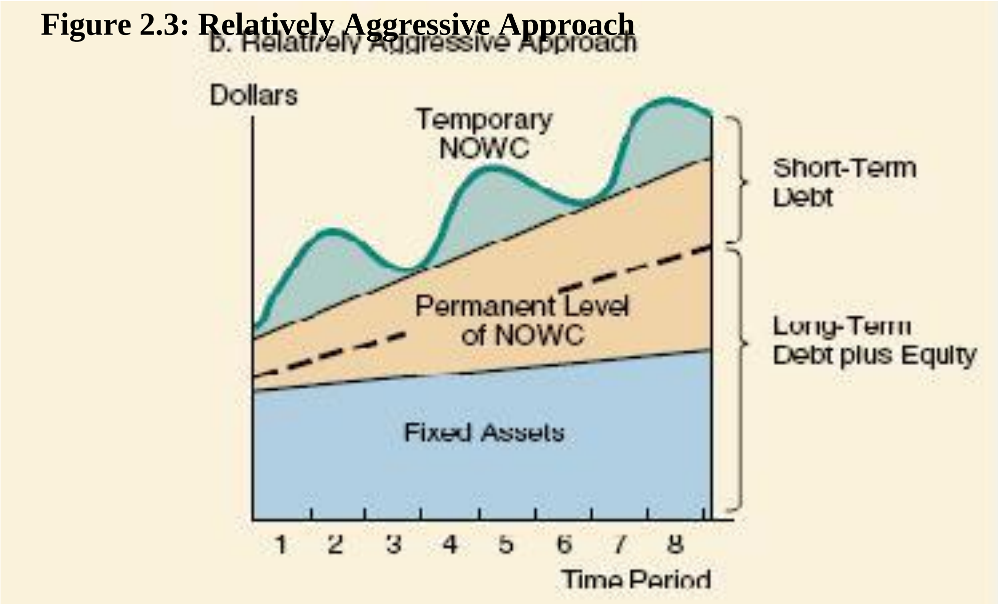
Source: Brealey et al (2001)

2.2.1.2 Aggressive Approach

Figure 2.3 presents another situation with respect to a somewhat aggressive organization, which attracts all its fixed assets with long-term capital and part of its short-term short-term debt. Note the use of the term "relative" in the panel header b. This is because the degree of attack may be different.

For example, the dotted line in panel b is drawn below the line where the capital assets are located and indicates that a short-term loan was used to finance all fixed NOWCs and some capital assets. This is a very aggressive and very conservative stance, and besides the risk of interest rate hikes, organizations are very vulnerable to paying off the loan. However, short-term debt is often less expensive than long-term debt, and some companies sacrifice security to make money (Brealey et al, 2001: 29).

Figure 2.3: Relatively Aggressive Approach



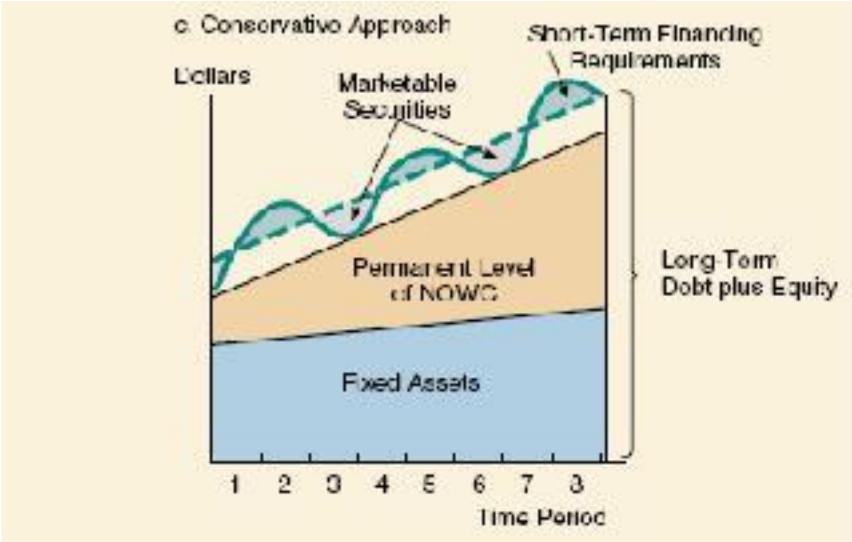
Source: Brealey (2001)

2.2.1.3 Conservative Approach

Figure 2.4 shows the dotted line above the continuous NOWC display line. This indicates that all ongoing investment requirements are funded from long-term sources and used to meet some needs seasonally.

In these situations, organizations use a small amount of short-term debt to meet peak demand, but some seasonal needs can be met by "maintaining liquidity" in the form of current securities. Also satisfying. Barriers above the dotted line represent short-term financing, and grooves below the dotted line represent short-term investments. Panel c shows a very safe and conservative policy for financing liquid assets.

Figure 2.4: Conservative Approach



Source: Brealey (2001)

2.3 Asset and Liability Management (ALM) In Commercial Banks

Bordeaux and Reddish (2003: 76) contend that, given all advantages and liabilities in the announcement of money related position, banks ought to decrease financing costs and liquidity and consider diverse administration destinations and lawful limitations, the board and markets. Revealing Define ALM as an equal plan and hazard for bank development. This position gives this certainty a noteworthy predisposition, puts more accentuation on loan cost hazard and builds the hazard in the announcement of money related situation of the Bank.

Asset and liability administration consists of the series and use of belongings that are vital to the monetary management of the bank. In particular, strategic asset / liability administration consists of the implementation of strategic planning and manage procedures, which include the amount of financial institution belongings and liabilities. The essential intention of ALM is to create large, stable, high-quality, noticeably profitable flows. This aim is completed via a whole aggregate of assets, liabilities and monetary risks (Lazaridis and Tryfonidis, 2006: 8).

2.3.1 Asset Structure: Growth and Change

To determine the possible hazard of a bank, it is vital to actually look at the proportionality of a variety of factors and the changes in the proportional share over time. For example, if your loan portfolio is between 58% and 64% of the assets in your stability sheet, you can also ask yourself if the bank's credit score danger management gadget is adequate to control the quantity of savings operations and increase the overall mortgage portfolio. May be. Such leaps point out modifications from any other vicinity of risk. A similar decrease in commodity securities indicates a trade in the degree of market threat to which a monetary group is exposed. This assessment is feasible before a thorough find out about of savings or market risk management. This analysis, associated to the amount of net earnings generated with the aid of each asset class, increases the glide and makes it difficult to determine the risks related with the advantages (Raheman and Nasr, 2007: 283).

2.3.2 Accountability System: Growth and Change

Liabilities are a appropriate sign of the chance to which the financial institution can also be exposed. Increasing the degree of financing for retail applications, such as buyback agreements or certificates of deposit, can lead to the bank turning into greater risky in meeting its economic needs, which, in turn, may additionally require managing more complex risks. Financing agreements, such as repurchase agreements, expose the bank to market risk in addition to liquidity risk (García-Teruel and Martínez-Solano, 2007: 2083).

2.4 The Importance of Working Capital Management in the Banking Sector

To assist the everyday things to do of the company, choices are made on working capital. The most important aim of working capital management is to manage the organization's modern debts in order to acquire the desired balance between profitability and risk (Raheman and Nasr, 2007: 287).

2.4.1 Types of risks faced by commercial banks in the provision of their services

Risks associated with the provision of banking offerings range relying on the kind of offerings provided. Sector-wide risks can be divided into six important types: systemic or market risk, deposit risk, counterparty risk, liquidity risk, operational and felony risks. Here, any risk that a banking institution is uncovered to is intentional.

I. Systematic risk

Systemic risk is the threat of an exchange in the value of assets related to systematic factors. It's once in a while referred to as market risk, which is in reality a surprisingly indistinct term. This threat may additionally be inherently covered, but it can't be utterly diversified. In fact, systematic risk can be considered non-diversified. All investors assume this risk when retained assets or receivables can also alternate due to generic financial factors. Thus, systematic risk is different. However, the banking enterprise is very involved about two: specific fluctuations in the typical interest charge and the relative price of currencies.

Due to the dependence of banks on these systematic factors, most seek to seize the have an effect on of these specific systematic risks on overall performance and effectiveness with the aid of looking for to defend them in opposition to them, thereby limiting their sensitivity to adjustments in uncontrolled factors. As a result, most will closely monitor activity rate risk. They measure and control the vulnerability of a hobby rate fluctuation organization, even although they may additionally no longer work. At the equal time, worldwide banks with massive overseas trade positions carefully reveal their foreign money danger and attempt to manage and limit their risk. Similarly, some institutions that make investments heavily in commodities, such as oil, are at chance of commodity expenditures due to the fact of their credit or geographical franchising activities. Others with high concentration in one area can control the specific risk of attention in the sector and the forces that affect the success of the sector.

II Credit risk

Credit risk arises from the default of the borrower. This may be due to an incapability to act pre-contractually or reluctantly. This can affect the lender with the loan agreement and different lenders. Therefore, the monetary role of the borrower and the present price of the collateral are very vital for the bank. True credit score risk arises when portfolio activities fall short of expectations. Thus, credit score risk can be diverse, however it can be tough to completely eliminate. As cited above, some unpaid dangers can truly have an have an effect on on systematic risk. Despite the really useful consequences of diversification on standard uncertainty, some representations of these losses to lenders stay problematic. This is specifically authentic for banks that lend locally or purchase especially illiquid assets. In such cases, deposit chance is not effortless to eliminate, and correct loss estimates are tough to obtain.

I. Counterparty risk

Counterparty risk stems from the failure of trading partners. Failure to do so may also end result in performance failure due to poor fee fluctuations due to organizational elements or any extra political or prison constraints now not expected by the manager. Diversification is an integral tool for monitoring counterparty unstructured risk.

Counterparty risk is related to credit score risk, however is normally regarded to be an economic danger related to provisional negotiations as a substitute than a default on the danger of the lender. In addition, the counterparty is unable to settle the transaction for whatever different than credit.

II Liquidity risk

Liquidity risk is better defined than the threat of financial crisis. Some apprehend the need to layout for unexpected savings increase and expansion, however right here we seem greater intently at risk than a viable funding crisis. This condition is inextricably linked to surprising events such as a most important loss of confidence, a loss of confidence or a main crisis such as a foreign money crisis. However, risk management right here focuses on liquidity and portfolio structure. Recognizing liquidity threat ability that banks themselves apprehend liquidity as an asset and graph portfolios that face liquidity alarms as a problem.

III Operational risk

Transaction risk is the threat related with the difficulties related with accurately processing, settling, receiving or distributing transactions in alternate for cash. It also stems from file keeping, processing deficiencies and compliance with a range of regulations. Individual operational issues are such small possible events for a well-managed organization, but the enterprise is exposed to very expensive results.

IV Legal risk

Legal risk is associated to monetary contracts and is one-of-a-kind from the legal penalties of credit, counterparties and operational risks. Even if all events have ample trip and can act in the future, new laws, tax laws, opinions and court rulings may war with mounted companies. For example, environmental laws have a huge impact on the cost of old real property and pose a serious risk to credit score establishments in the field. Another type of criminal risk comes from the things to do of executives or employees of institutions. Recent financial cases affirm that fraud, breaches of guidelines and laws, and different acts can lead to catastrophic losses.

2.4.2 The Impact of Working Capital Management on Bank Performance

Vong and Chan (2009) suggest that certain factors related to bank profitability represent internal factors that are influenced by bank decisions. These interior factors can be divided into two categories: financial statements and non-financial variables. The monetary assertion variables are associated to selections that directly include objects in the declaration of economic role and income statement, and non-financial variables are elements that are not directly associated to the financial statements. Management's monetary decisions are normally the accountability of the ALM (Pandey and Parera 1997: 18).

Thus, ALM includes decisions on the structure of liabilities (deposits and other earnings liabilities) and the structure of assets (loans and other profitable assets).

Bobáková (2003: 23) argues that one of the decisive factors affecting a bank's profitability is the composition of its assets. This idea is in line with previous phenomena in portfolio theory, which indicates that performance is highly dependent on the bank's ability to eliminate the risk of trading assets and matching assets with liabilities.

2.4.3 Impact of working capital management on liquidity

Working capital administration is necessary to the economic well-being of large and small organizations. Working capital increases with the measurement of the sources used, it is necessary that we use them correctly and successfully (Padachi, 2006: 52). The lack of working capital is viewed to be the cause, if no longer the foremost reason, of small enterprise investment in growing and creating countries (Rafuse 1996: 61). The success of a business relies upon on its capacity to generate income at a huge cost. There are many issues with small monetary institutions that are mitigated by using poor economic management, mainly when there is no financial design (Rafuse 1996: 61).

Although work depends on economic capital management, it has taken a long time to investigate. Even in developing countries such as the US, environmental improvement research is not widely available and long-lasting comparisons are difficult. In addition, corporate financing does not necessarily lead to the completion of the intervention phase because it does not fully address the problem of capital management (Weinraub and Visscher 1998: 15). Shin and Soenen (1998) have announced a similar project in the past, pointing out that very little is known about trading patterns in the market, especially regarding the management of money and finances outside the US.

2.5 Impact of macro variables on working capital management

Macroeconomic variables affect companies' cash flows. Its effect is also called macroeconomic risk.

2.5.1 Macroeconomic risk

This problem arises from a disadvantage related to macroeconomic situation for example the level of aggregate demand in a country, interest rates, interest rates, etc. (Brigham and Gapenski, 1987: 68) . However, this understanding does not allow for chance.

2.5.1.1 Causes of macroeconomic uncertainty

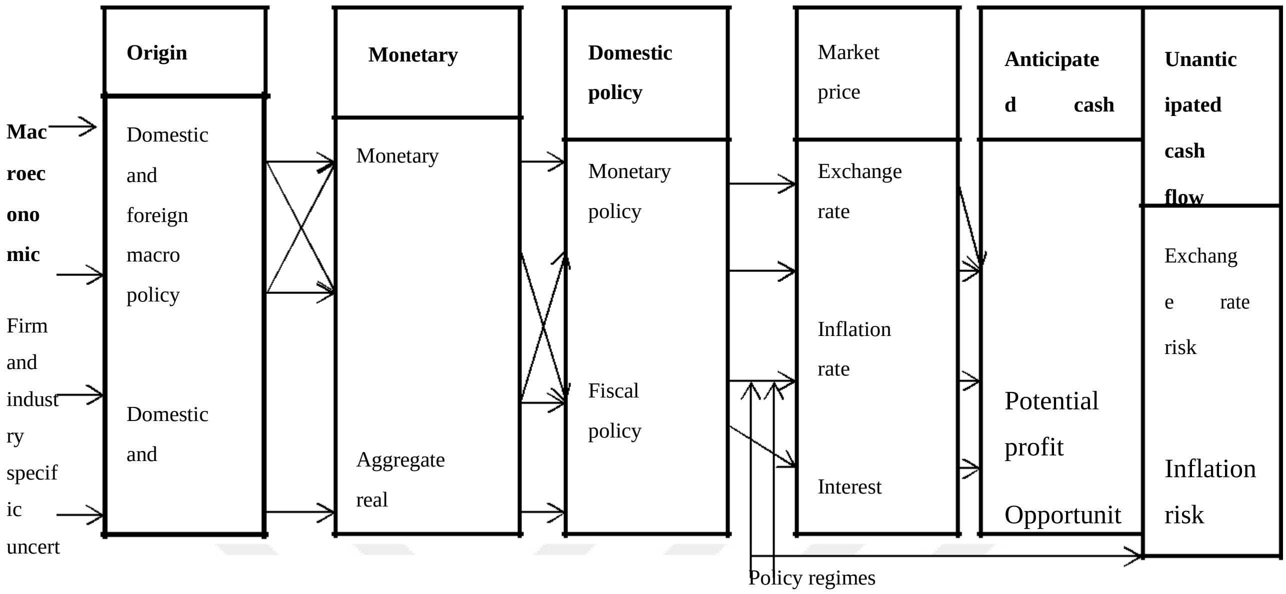
a) Savings on investment expenditure and, sometimes, severe negative shocks on the overall supply.

b) Inadequate monetary policy.

c) Substantial changes in real factors, such as technology, availability of resources and productivity, modify the long-term collective supply of the economy.

d) Coordination failures, suboptimal equilibrium positions that occur because businesses and households cannot coordinate their actions together

Figure 2.5 External Shocks and the Cash Flow of the Firm



Source : Brigham and Gapenski (1987)

The various sources of development are underway. To measure macro-economic risk, the need to take into account the relative price variations resulting from the business and the business risk. This protection will lead to exchange rates, interest rates and government intervention in the markets.

2.5.2 Effects of Macro Variables on Corporate Liquidity

Vong and Chan (2009) said that macroeconomic elements play an necessary position in determining liquidity. Among all the variables it was once viewed that GDP growth, inflation, authorities spending, and company taxation have two a greater have an effect on on company equality than different variables. Moreover, GDP increase is a nice result. This calls for organizations to elevate extra money in response to financial growth, which is in line with the profits willpower of the fundraising scheme. It shows the possible for inflation to run a industrial enterprise. It might also be challenging at first glance, but as inflation grows, groups can limit "bank" loans however are extra susceptible to private and industrial banks. The enlarge in companies ought to trade the monetary machine due to the fact companies see a massive enlarge in corporate endeavor in response to high inflation (Panigrahi, 2013: 1485).

Short-term rates are a major disadvantage on the microfinance industry. This would include lowering financial institutions because of higher costs, according to a more realistic estimation of borrowing theory. In cases where a federal budget has been introduced, it is said that corporate governance is bad. The government's low budget reflects the slowdown in the economy in the years ahead, which means that companies have less money to wait for the decline in investment opportunities that go with economic growth.

Debt spread is a great benefit to the management team. This means that, as the market weakens, companies raise their funds for the exchange rate scheme. To be clear, the higher the risk of debt, the more companies will be able to make money, which is to say, as debt levels become more difficult. Individual debt, despite its competitors, has negative economic consequences. This will include lowering the corporate firms when firms apply to financial institutions and other financial institutions. Finally, even if it is not regulated by the corporate sector, the corporate tax rate on the corporate entity is negative. This means that companies have less money because corporate taxes pay more. As profits and debt are negatively correlated, this direct relationship between debt and company profits tax represents a poor relationship between income and earnings tax. The effects of debt spread, forte debt, and corporate taxation advise that money and debt are carefully linked, and that the idea that there is a tremendous effect on loans is determined.

2.6 CORPORATE WORKING CAPITAL MANAGEMENT EFFICIENCY

The operation of a banking organization is based totally on short-term assets and non-permanent monetary decisions. It incorporates the administration of the relationship between current assets and present day liabilities of the company. It aims to ensure that groups can continue in business and are seeking for money goes with the flow to cowl momentary debt and future business expenses. Expert decision-making is appropriate as it affects the team of experts and is effective. The funds are set up as a fund in the financial cycle, with minimum days spent on resources spent on raw materials and customer rewards. With this metric, the relationship between credit, credit and debt rating and cash flow and debt will be less strong. This is especially helpful if the business has money associated with the business and is not involved in other activities.

Measuring the effect of working capital of an organization that opposes the return on capital (ROC) resulted from the management of working capital at the cost of capital following investment decisions. The market value may be better because the return on investment is greater than the cost of capital. By combining these criteria, the operational management of the organizations promotes capital management policies and procedures. The purpose of these policies is to manage real estate, financial and financial, financial, credit and long-term debt and finance, in order to facilitate flow and return. . Financial management recognizes the financial balance that enables the firm to meet its day-to-day expenses and reduce cost savings. Inventory management recognizes a high level of agility for free operation, reducing investment in raw materials and inventory costs, and increasing financial incomes. Banks that take loans represent an appropriate credit policy, which means they can attract lenders so that the impact of the lending rate and the change in tax rate income, hence taxable income. Short-term financial management is aware of the systems necessary for the financial cycle. While it is generally accepted in the financial market that credit can be better repaid by a consumer-paid loan, organizations may want to apply for a loan to convert loans into cash-based business.

Finances are provided to buyers through lenders and stock of goods or materials, which have limited long-term resources. Reducing these investments in relation to the level and structure of the organization's operations is critical to managing the funds effectively. According to Hofmann (2005: 207), the key to managing the economy of consumers and debt is the changing understanding of the business world around it. Credit conditions depend on the competitive environment, and are evaluated by the nature and reliability of the customers. This will include determining whether the amount of the loan amount and the result will be on the debt arrears that the additional contribution will pay to purchase. Also, free cash flows must be evaluated against dry buyers for the risk of repayment or failure, such as sales tax.

To anticipate the negative effects of credit on merchants, the effectiveness of working capital requires continuous updating of credit performance and the development of concrete criteria for granting credit.

Good credit management allows a business organization such as a bank to repay debts and keep proper records (Arnold, 2008: 76). Entrepreneurial management of established companies, according to Hofmann (2005: 208), has led to the development of real estate investment. This, he said, has made significant advances in information technology, resulting in page targets. Efforts to prevent the investment from stopping, at the time buyers were sent by the dealer to bring back the painstaking reform, were motivated by a letter and Internet data. In fact, these actions have created close relationships between the best sellers and the best sellers, and have often been the key factor in power generation.

2.7 THE ZIMBABWEAN ECONOMY AND WORKING CAPITAL

Hofmann (2005: 208) suggested that credit conditions could be better and therefore more attractive to them; warn of the risk of bankruptcy of the company's credit rating if the circumstances of the default on the debt have changed. Good credit management is a good way to request timely financial statements to enable accurate payments.

Organizations facing stressors need to be prepared for their daily activities. Even now, it takes a great deal of effort to ensure that planning and engagement are adequate and effective, especially if the business requests changes or changes in a timely manner or down. This importance of working capital for organizational efficiency links companies to the ability to plan, organize and manage their business operations effectively to avoid cost overruns and maximize profits and utility. Capital management in the context of a financial project can be done through the use of arrangements.

The questions used in the analysis of the performance of the working capital section to illustrate the effectiveness of inventory and debt management. They support the detection of signs of decline in value or the amount of stocks and mortgages they receive. Inventory combines selling and purchasing costs to ensure long-term relationship changes. Account balances are also associated with sales to determine changes over time. The lender / purchase / debt ratio measures the rate at which funds are raised in advance and the lender's sales ratio to measure when a business needs to repay lenders.

Direct biosecurity, which is in current tests and acid tests, is used to ensure the efficiency of the company to pay its obligations. The optimal levels for these questions are 2: 1 for the current report and 1: 1 for the acid test statistics.

MANAGEMENT OF QUOTED FIRMS

Zimbabwean banks, as well as others around the world, use their working capital to facilitate their operations. They format and control cash, receivables and late receivables to make certain that the necessities are met (Machiraju, 2008: 28). Money is essential to attain liquidity in Zimbabwe's banks. Because of the low per capita earnings and disposable earnings of Zimbabwean consumers, Zimbabwean banks additionally offer customers a industrial mortgage with the aid of growing claims. These banks additionally gain from business loans from different international and local banks that generate claims. The small working capital reachable to Zimbabwean banks is managed by means of them to keep away from operational constraints (Vento and Ganga, 2009: 87).

Zimbabwe's economy, characterized by very low use of corporate capacity, disrupted infrastructure, unbalanced monetary policies, and unstable currency markets, various unfavorable tax regulations, low levels of disposable income and purchasing power of citizens, as well as high costs negatively affected the working capital conditions of Zimbabwe's banks. The liquidity position of these banks has been affected due to the high taxes collected, also compounded by the failure of commercial credit policies for customers (Mambo and Mangudhla, 2013). Several taxes imposed by the three levels of government have worsened the financial situation of banks in Zimbabwe.

Inputs of mainly imported commodities are affected by the instability of the foreign exchange markets and the unstable monetary policies of the Central Bank. Commodities are thus affected by insufficient foreign exchange to import, delays in the port of Zimbabwe and poor transport networks. This negatively affects the production operations of Zimbabwean companies and the delivery of finished products to client companies. Retailers who import finished products are also negatively affected by these aspects. Local delivery of raw materials to businesses and delivery of finished products to customers are hampered by poor transportation infrastructure in the country. The low disposable incomes as well as the purchasing power of citizens have had negative effects on the sponsorship of products by companies (Kwenda, 2014: 433).

These factors have had a destructive negative effect on the working capital, planning, management and operational efficiency of Zimbabwean companies, revealing them to operational mortifications, although some improvements in working capital of listed companies have been recorded as a raise at the capital base of banks $ 100 million.

2.7.1 Banking Sector Liquidity and Financial Crisis in Zimbabwe

Moore (2010: 18) states "banks should hold bank accounts to pay for their customers' money ... unless management is unable to appeal to their customers and demand bank or central bank markets." The bank is unable to meet the requirements of its customers who are liable for bankruptcy and, in particular, distrust of the banking system all. Bordo et al (2003: 230) proposed two explanations to explain why water flows in commercial banks. He explained that banks are a product of many people's mental health, so when the financial crisis becomes clear and people are optimistic, the financial crisis comes. Bordo et al (2003: 231) note that problems are an integral part of the business cycle, leading to economic uncertainty.

In the event of an economic downturn or depression, the future of real estate is back. It can be difficult to borrow with creditors and lenders, hoping for less borrowing or interest and protecting their assets by taking out bank loans. Banks are between the risk of their assets (financial) and the volatility of their bonds (deposits) and the possibility of bankruptcy. By examining a single bank, Diamond and Dybvig (1983: 78) developed a model that shows that savings bank contracts can generate larger distributions than markets between markets, by emphasizing that how banks run the business will attract savings. Alipour (2011: 1095), on the other hand, showed that abandoning single bankruptcy could increase the strength of the interbank bank. In addition, the risk of bankruptcy in one bank is reduced when interbank transactions are compromised - compared to a separate bank. Undaunted, Diamond and Dybvig (1983:81) agree that when multiple banks are introduced to the model, there is an opportunity for bank transfer.

According to Alipour (2011: 1095), in the framework of the problem where alcohol problems do not occur solely because of bank failures and the number of consumers who want to avoid bankruptcy is disadvantaged, ending in an allegation of an autarchic banksystem and reduce the risk of bankruptcy, as no bank can respond to borrowers' requests. In order to manage the bank and make decisions on how much cash and other liquid assets to hold, Raheem et al (2004: 230) state that banks should be able to decide whether they can lend from the central bank car park to the crisis and not the crisis properties. They further stated that, as a result, banks would have to make up for lost reserves as a result of the penalties. This is the cost of not being in reserve.

2.7.2 Factors Affecting Bank Efficiency in Zimbabwe

A collaborative study by the Reserve Bank of Zimbabwe (RBZ) and the Zimbabwe Investment Association (ZIA) was done in 2005 and it showed that impaired loans and advances issued, fraudulent practices, undercapitalization, rapid changes in government policy, mismanagement, Inadequate supervision, excessive dependence on currency, economic depression, political crisis, bad credit policies and unwarranted interference from board members are some of the factors responsible for the suffering of banks and other financial institutions. Kwenda (2014: 433) has grouped these factors into institutional, economic; and political factors; with the inclusion of monitoring measures. Institutional factors are endogenous factors which are essentially under the control of the owners and management of the banks. This RBZ / ZIA collaborative study was able to reveal that most of the financial institutions interviewed attributed difficult circumstances to institutional factors.

The general institutional factors that led to the factors recognized in the banking system can be considered as internal abuse, poor corporate governance, poor management of risky assets and inadequate capital. Economic, political, regulatory and supervisory measures will also be explained shortly.

a. Insider abuse

Public banks have undergone constant / frequent changes in the board of directors, and many appointments have been made on the basis of political associations rather than experts. Thereafter, the members of the council considered themselves as representatives of the political parties within the framework of the national cake which resulted from it and thus allotted their loyalty to the members of the party instead of the operation of the bank. On the part of private banks, shareholders have introduced certain problems. According to Kwenda (2014: 433), owner-managers saw the banking sector as an extension of their operations, appointing relatives or friends to positions of responsibility rather than relying solely on professional managers. The candidates were therefore only loyalists who looked after the interests of their masters, not their own business. Discussions with shareholders and discussions with the board of directors were common in the banks, where management attention diverged in favor of unnecessary quarrels.

In some banks where there seemed to be harmony, another form of internal violence took the form of owners and managers abusing their privileged positions to acquire unsecured loans which were, in some cases, beyond their legal loan limits and these banks were in violation of contractual requirements of 2000 Reserve Bank, as amended. In addition, some of these owners and administrators have settled interest-free exemptions on non-productive input credits. They also agree to force their banks to directly finance commercial transactions, via banks or other mandatory companies, the benefits of which have not benefited the banks (Kwenda, 2014: 434).

b. Weak Corporate Governance

Due to the internal abuse of inexperienced employees being hired despite obviously being unable to occupy key positions in the bank, the corrosion of the weakness of the management culture and internal control systems caused by the ranks of the senior decision-making group and the non -respect of prudential regulations and standards, maladministration seems to play a key role in bankruptcy in Zimbabwe. The banks saw an increase in losses and management used concealment of the losses to save time and maintain control.

Several banks have made loans that are unsecured or have little or no consideration for the borrowers' ability to settle the loans. In this regard, Kwenda (2014: 434) pointed out that the proportion of delinquent loans in troubled banks during the 2000-2010 period was consistently high, reaching around 80% of their loan portfolio. This index greatly exceeded the maximum prudential index by 20%.

c. Management of low-risk assets and insufficient capital

Many banks have bad credit policies whereby loans are issued without securities and / or the ability of borrowers to repay them. Zawaira and Mutenheri (2014: 116) pointed out that it is common to find overvaluations of guarantees and sometimes disbursements of funds without titles. Makoni (2006: 34) said in his study that the main factors responsible for the poor financial situation of banks were huge loans and bad debts. In this reflection, Kwenda and Holden (2013: 435) state that such poor management of a loan portfolio is one of the shortcomings that can cause a high-risk manager to lose everything overnight. Insufficient capital has been common in the banking system which, from time to time, RBZ continues to articulate to increase the capital base of the banking system. For example, the recent $ 100 million recapitalization exercise was aimed at further deteriorating bank capital.

d. Economic condition

The banking sector, being the heart of the economy, is constantly affected by the environment / the economic and political situation of the country. By way of illustration, the economic structural adjustment program (ESAP), introduced in 1992, has led to a wide range of economic reforms which have had negative effects on the banking system.

e. Regulatory and supervisory measures

RBZ / ZIA's regulatory and supervisory measures have not been able to keep up with the rapid changes in the banking sector. The RBZ summary (2012) noted that in the past, the RBZ's ability to play its regulatory role had been affected by an insufficient workforce, both in terms of quality and quantity. ZIA (2011), in discussing the problems of bank settlement and payment of deposits, noted that closing a bank is a specialized job which largely requires the services of technically capable people in the fields of banking, accounting, legal, withdrawal , administration, estate management, information management and technology.

2.8 MANAGEMENT OF BANKS IN TURKEY

In Turkey, the banking administration is pretty problematic. Volatile foreign money is exacerbated through inflationary pressures and the occasional decline in sovereign debt by means of fundamental savings ranking agencies, due to the status of e-waste, and severe opposition for profitability, deposits, loans and capital poses important challenges (Bolak, 2000). The Turkish financial area has numerous stages of improvement observed over a vast boom length from 2003 to 2013, accompanied via the modern fiscal 12 months 2014 (Akbulut, 2011: 200). Turkish banks are now afraid to use capital as "cents" in terms of capital costs and return on equity. On the other hand, there is still interest in investors looking to return. These factors provide a glimpse into the future of Turkish banks and invest in sustainable products as a new era of Turkish capital develops (Isik and Hassan, 2003: 288).

2.8.1 Turkish Approach on Base III Framework: The beginning and the reasons for Base III

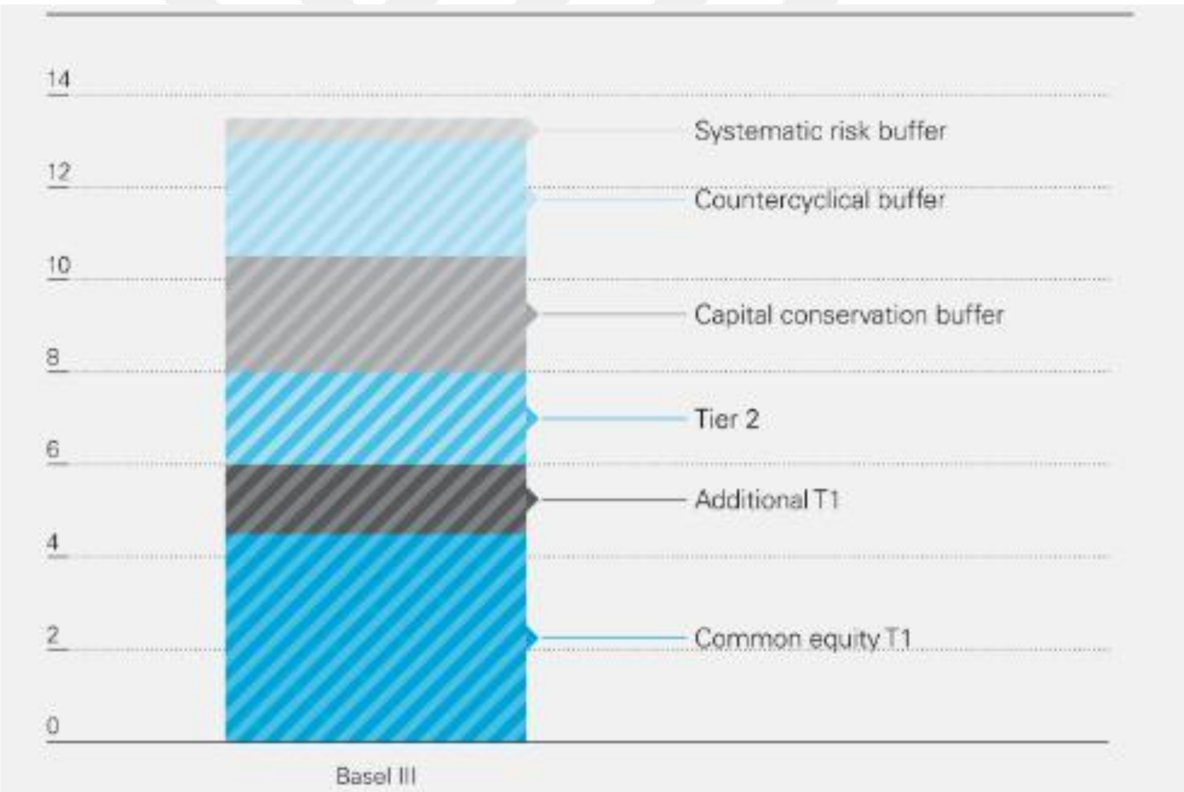
Following the 2008 world monetary crisis, the December 2010 Finance Committee (BCBC) established a confined set of global regulatory necessities and utilized to banks. (Akbulut, 2011: 201). One of the foremost motives of the world disaster is financial disaster management and administration. As a result, the BCBC is considering fixing this problem with the aid of revising present economic standards and, in particular, the new rules for "International Citizens", the main claims made in 2008. These methods are referred to as Basel III (Bolak, 2000: 37).

The BCBC Basel III, entitled "Investment Management and Accounting Framework", was designed to be integrated into EU regulation by means of a regulation (575/2013) (CRR) from 1 January 2014, and clarifies the four Developmental Development Guidelines (2013/36 / EU) (CRD IV) Therefore, US regulation has been in force on account that January. 2014. According to the EU and the US, the Statement of Assistance and Execution Services (BRSA) ratified the Basel III framework in relation to the applicable knowledge and rules proposed by way of BRSA, published in the Diário da República on September 5, 2013. , effected January 1, 2014. (the "Terms of Use").

2.8.2 Regulatory Components and Supervision of BRSA - Capital Stock

The Basel III shape reinforced the dominant shape of Basel II and brought new capital and liquidity necessities for banks. Bank capital consists of three primary capital elements, namely: (i) Tier 1 capital (TEC 1); (ii) Category I Additional Capital (AT1); and (iii) Category II (Category 2) assets. The Basel III framework additionally featured capital buffers as a macroprudential device designed to hold the bank's TEC 1, namely: (i) a capital preservation cushion (implemented in all banks and the whole); (ii) countercyclical capital buffer (applicable to all banks in periods of immoderate savings growth); and (iii) machine buffers (ie the perfect chance safety system, G-SII and O-SII) for system emergency banks (SIBs).

Figure 2.6 Base III Capital Buffers



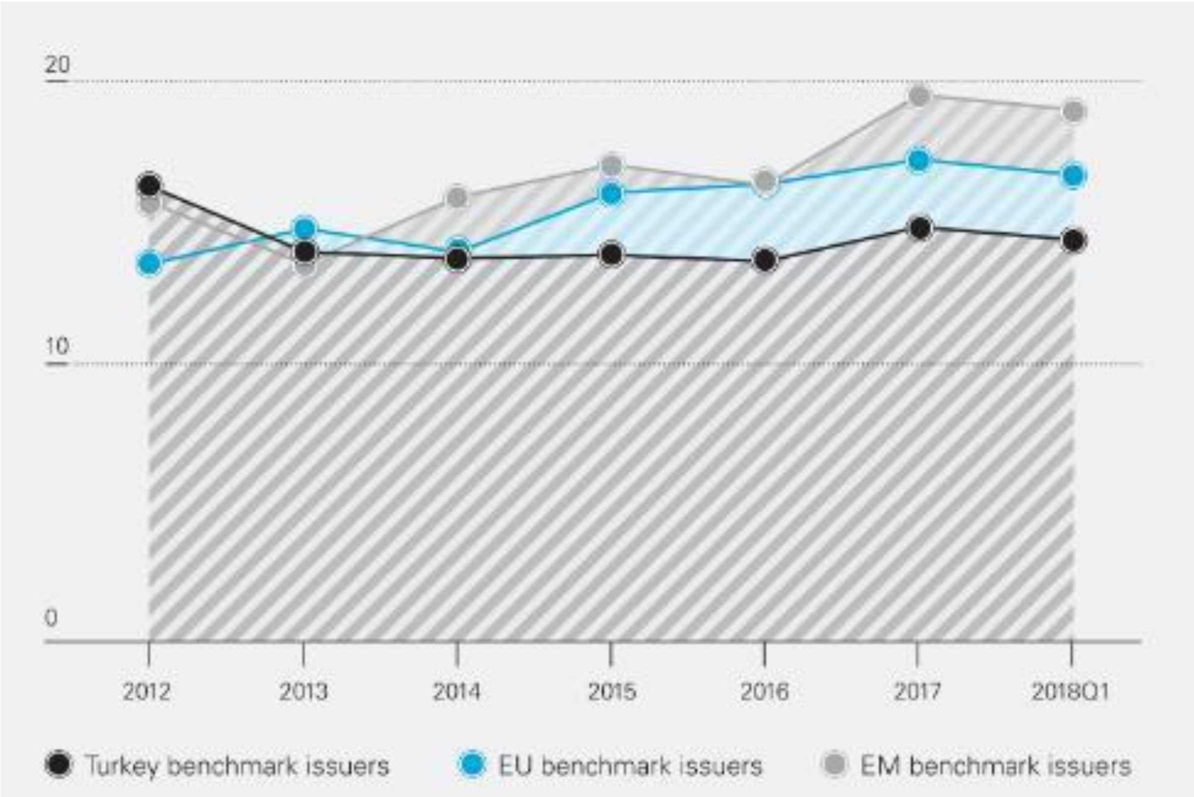
Source: Thomson Reuters

Banks must keep up these deliberate least degrees of capital according to their hazard resources, which incorporate the capital proportion (RCA). Under Basel III, the Turkish controller requires least TEC 1 levels to be kept up at 4.5%; (ii) TEC 1 and AT1 looking after 6.0%; and (iii) TEC 1, with AT1 and grade 2, at 8.0%. What's more, other TEC 1 cushions, specifically: (I) capital help held 1.75% in 2018 and expanded to 2.5% in 2019; (ii) a countercyclical capital support (which may go from 0% to 2.5% and will be influenced by BRSA in January 2016); and (iii) a foundational relief of fundamental danger of 2.25%, 1.5% in Group III, 1.125% in Group II and 0.75% in Group I for banks of the Group IV basic framework, one of every 2019. 3, 0%, 2.0%, 1.5% and 1.0%. Likewise, Turkey's financial law keeps CAR at 8.0%, permitting BRSA to set up a more significant level of capital sufficiency, which BRSA keeps up at 12.0%, as declared in November. 2006 (https://www.whitecase.com/distributions/knowledge/starting time turkish-bank-capital-protections).

2.8.3 Resilience of Turkish banks

From the 2008 Global emergency Turkish financial organizations have been changed as their European Union partners at the RAC normal, coordinating their strong nature. In August 2017, an article by Fitch called attention to that Turkish banks are fundamentally "very much promoted, encouraged by late benefit development, the issuance of level 2 capital, the decrease of capital prerequisites for advances secured by the CGF and administrative resistance for hazard loads and for money saves." Figure 2 beneath shows the normal RAC of Turkish standard backers contrasted with benchmark European Union guarantors and other standard guarantors in developing market.

Figure 2.7 Average CAR: Turkish benchmark Issuers vs EU and Emerging Markets benchmark Issuers



Source: Thomson Reuters

2.9 REVIEW OF OTHER EMPIRICAL STUDIES

This segment examines other working capital administration contemplates and their consequences for corporate expense execution and in general benefit. It likewise covers the distinctions recognized right now prompted this examination.

Ani et al. (2012: 970) led an examination on the effect of working capital administration on benefit: a case of the main five bottling works on the planet. They concentrated on working capital administration dictated by the cash transformation cycle (CCC) and how CCC parts influence the gainfulness of these driving brewers. Distinctive relapse conditions were utilized to navigate time arrangement information. The investigation reasoned that working capital administration, as prove by the cash transformation cycle, deals development and the recuperation time of short obligation, influences brewers' benefit. This investigation, be that as it may, concentrated uniquely on stock turnover, past due receivables and little on the level or extent of all out resources and liabilities. The review additionally took a gander at just the best five bear organizations on the planet, which may not be illustrative of all assembling organizations.

Melita, Elfani, and Petros (2010: 372) observationally inspected the impacts of working capital administration on an association's money related execution and evaluated the developing business sector. The numbers originated from organizations recorded on the Cyprus Stock Exchange for the period 199-2007. Utilizing multivariate relapse investigation, their outcomes found that working capital administration positively affected gainfulness. The outcomes unequivocally show that the money transformation cycle with all its significant parts influences the gainfulness of the business. This investigation concentrated on all organizations and not explicitly fabricating organizations. Be that as it may, various divisions have their own specific qualities; in this manner, what influences one part can't influence another. For instance, fabricating organizations consider fabricating manufacturing plants that convert crude materials into completed items, while the banking and protection ventures don't have processing plants since they are simply occupied with administrations. Thusly, the supposition that the working capital impact on productivity is the equivalent for every part is misdirecting.

Berger and Bouwman (2009: 183) contend that influence legitimately influences office costs, which influences business execution. They said that high influence or low capital would lessen the outside expense of the office's stock and increment business esteem. They utilized yearly information from US business banks from 1990 to 1995. Their outcomes demonstrated that a 1% expansion in the red brought down the capital proportion and invalidated a 6% increment in gainfulness. Deloof (2003: 20) analyzed an example of Belgian organizations and found that they could improve their presentation by shortening the time of credit recuperation and exchange. It likewise recommended unanticipated negative impacts identified with the quantity of pay rates; Nonprofits ordinarily expand the obligation reimbursement period.

Abuzayed (2012: 160) extended crafted by Rehman and Nasar (2007) in working capital administration while examining 18 organizations from other Karachi nourishment divisions in 2006-2010. The analyst utilized a few factors to measure working capital administration, including normal recompense period, stock turnover in days, cash change cycle, normal restitution period, obligation proportion, organization size, current proportion. Furthermore, money related assets in joint resources. Utilizing a consolidated impact model and joined least squares relapse, the outcomes show that working capital administration has an amazingly inspirational mentality to the gainfulness and liquidity of the business. It additionally found that the size of the business and the insignificant stock turnover in the days positively affected the gainfulness of the business.

Padachi et al. (2006: 50) affirmed the positive connection among CCC and ROA through the fixed resource model.111 Several basic components of this case should be viewed as when researching this outcome. The representation of only 58 organizations is the reason for investigating insights. Second, a market with novel setups was chosen: Mauritius. Subsequently, Padachi et al. (2006: 50), on a basic level, explained clashing outcomes because of the little size of firms. It was expected that littler organizations had a lower fixed resource base and depended principally on working money to expand benefits. Correspondingly, when utilizing OLS joined relapse, the relationship was seen as negative. By and by, the creators focused on the dire requirement for reciprocal audits, particularly among SMEs.

Raheman and Nasr (2007: 291) inspected the connection between working capital administration and productivity and dissected 94 Pakistani organizations over a six-year time span from 1999 to 2004. Net gainfulness was utilized to gauge benefit. The investigation shrouded stock turnover in days, normal compensation period, normal recompense period, money transformation cycle and current net benefit proportion. The consequences of the enlightening examination demonstrated that the normal cash change cycle in Pakistani organizations is 73 days. The consequences of the relapse investigation indicated that there is a positive connection between's organization size and productivity. Likewise, the outcomes announced that productivity had a huge negative association with receivables as a proportion of liquidity, stock turnover in days, normal installment cutoff time, money change cycle and obligation proportion.

Kieschnick et al. (2008: 360), in their observational research, analyzed the connection between working capital administration and firm worth, and a diagram of the effect of organization costs on that relationship. They found that, all things considered, a speculation dollar put resources into the mid-level net working capital of this venture brings down business esteem and furthermore kills organization costs in past models of the effect of working capital administration on business esteem. It's significant. Behind them Luo et al. (2009: 30) led an investigation on whether and how functioning capital productivity (as dictated by the cash transformation cycle) influences the future execution and estimation of a business, which is another objective. They found that the viability of dealing with an organization's working capital lastingly affected business execution.

Mohamad and Syed (2011: 38) analyzed the effect of working capital on an association's benefit and worth. The outcome uncovered that there was an enormous negative connection between working capital and friends execution. Another technique exhibited by Salawu (2007: 352) inspected the connection among forceful and preservationist working capital strategies. The outcomes firmly demonstrate that organizations have fundamentally unique current resource the executives strategies across businesses. Clearly, there is a critical negative connection between the part's benefits and liabilities approach.

Afza and Nazir (2007: 27) researched the connection between forceful/moderate working capital strategies with corporate productivity and hazard. The experimental outcomes demonstrated a negative connection between working capital approach and productivity. Furthermore, in their examination study, Weinraub and Visscher (1998) concentrated on ten distinctive industry bunches over an extensive stretch of time to survey the relative relationship among forceful and moderate working capital practices. Then again, Afza and Nazir (2009:27) utilized Tobin Q as the reliant variable and the proportion (working capital/absolute resources) as the autonomous variable, notwithstanding utilizing control factors so as to acquire a counterfactual examination of working capital administration, in regards to the productivity of organizations.

Also, Vishmani at el., (2007: 295) clarified that an association's stock administration strategy, money due's administration arrangement and loan bosses' administration approach have a critical influence in its productivity execution.

Bhunia, Khan and Mukhuti (2011: 28) uncovered proof with respect to the connection among liquidity and productivity of an organization. They saw steel organizations from the Indian private part to assess the administration of liquidity as a component of execution. They thought about basic liquidity pointers and inspected that ideal working capital administration can be practiced by method for controlling the exchange off among productivity and liquidity of an organization. The firm worth was decidedly corresponded to ideal working capital administration so the interest in working capital was viewed as good. They discovered that gainfulness and liquidity are altogether decidedly related.

Another examination study that was done by Fathi and Tavakkoli (2009) thought about the impacts of working capital administration on the productivity of the monetary elements. They interpreted that conceding the stock turnover, normal assortment period and normal instalment period are essentially connected. They comparatively stated that shorter money transformation cycle and productivity are connected. Assar Zadeh (2011) researched the effect of components of working capital administration and their relationship with the three execution estimations with monetary worth included, return on resources and Tobin's Q proportion. He inferred that the working capital administration and monetary worth included are essentially corresponded; by and by, there existed no huge connection between return on resources and Tobin's Q and working capital administration that was watched.

Baños-Caballero (2012) considered the presentation of the organizations over the period from 1991 to 2001 concerning their exhibition in working capital administration. The results uncovered that the picked measures for execution evaluation of working capital administration were helpful in surveying the working capital exhibition and they add to looking at the hazard and return of the organizations.

Hoffman (2011) picked 250 organizations as the example to survey the working capital administration in them. The results demonstrated that estimating incomes and development pace of these organizations were the key pointers of working capital administration. He additionally settled that adjusting the size and compound of the advantages are inconsequential affected on by the incomes count and deals development. Certain perspectives exceptionally influence them, for example, the business idea of the organizations, deals, size of the firm and productivity.

The impact of working capital management on the estimation of 150 organizations from 1990 to 2004 was likewise considered by Melita et al (2010). He indicated that the patterns of the organizations, size and anticipated deals development affected on the productivity of the working capital administration. The positive connection between's working capital administration and execution of organizations was inveterated by the creator.

Samiloglu and Demirgunes (2008) attempted to set up whether benefit and working capital administration of a chose test of Turkish recorded organizations were connected. Their examination was for the period 1998 to 2007 and they inferred that stock turnover, normal indebted person's assortment period, influence and productivity were irrelevant inverse connections. In any case, they stated that development and productivity are straightforwardly connected. Gill et al (2010) uncovered that CCC and productivity were related and this was recognized through gross operational income. Their examination took a gander at the working capital administration and the productivity of the American organizations. Raheman et al (2010) picked an example of certain organizations in Pakistan from 1998 to 2007 to look for the impacts of working capital administration on the firm effectiveness. They contended, in their examination, that CCC and stock turnover significantly affected the activities of the organizations.

Enqvist et al (2014) concluded that there is a bad correlation between CCC and profitability. Nobanee and AlHajjar (2011) hooked up that the managers might elevate profitability and operating cash flows by way of shortening the CCC and average series period.

In an elective research study, Ganesan (2007) investigated the impacts of working capital administration on the exhibition of broadcast communications organizations. The factors considered were the normal record of days in stock, the quantity of days payable to leasers, the times of offers in progress, the productivity of money transformations, incomes over all out resources, and so on. The outcomes indicated an inconsequential negative connection among productivity and day by day working capital needs in the broadcast communications part. Scientists compute the term benefit in various manners. It was characterized as Return on Assets (ROA), Return on Investment (ROI), Gross Operating Profit (GOP) and Net Operating Income (NOP), while working capital administration was viewed as a money change cycle (CCC).

With an example of 1063 Tehran-recorded organizations, Alipour (2011) inspected working capital administration and corporate benefit. The analyst utilized different relapses and Pearson connection to assess the speculation. He analyzed that the deals and benefits of a business are unequivocally impacted by working capital administration. Because of wasteful working capital administration, the organization will most likely be unable to pay its liabilities on schedule. The outcomes demonstrated a critical connection between working capital administration and friends productivity.

The outcomes additionally noticed a negative relationship between's stock turnover in days, normal assortment period, money change cycle and productivity.

Numerous examinations have been directed in Zimbabwe on the connection between working capital administration and proficiency, particularly in the assembling business. Kithii (2008) investigated the impacts of working capital administration on the productivity of recorded organizations in Zimbabwe. Their objectives were to discover how successfully organizations deal with their functioning capital. He likewise needed to discover a connection between gainfulness, the cash transformation cycle and its components for Zimbabwean recorded organizations from 2001 to 2006. The outcomes indicated that there was a factually noteworthy negative connection among gainfulness and factors. Work dealing with organizations' capital notwithstanding the normal payroll interval, which indicated a positive affiliation.

Gakure, Cheluget, Onyango, and Keraro (2012) analyzed the effect of working capital administration on the exhibition of 15 distinctive assembling organizations of the Nairobi Stock Exchange (NSE) from 2006 to 2010, just as an aggregate of 70 five organizations for every time of perception. The optional information of 18 organizations on the NSE were investigated. They utilized a relapse model to build up a connection between the reliant variable and the autonomous factors. Pearson's connection and relapse investigation were additionally utilized in the examination. The outcomes demonstrated that there is a solid negative connection between organization execution and liquidity. The examination likewise found that there was a negative connection between the coefficients between the normal installment time frame, stock maintenance period, receipt assortment period and gainfulness, and CCC was decidedly related with benefit. Notwithstanding, the effect of the autonomous factors, with the exception of the normal payroll interval, was not measurably huge, in spite of the fact that the general model was factually noteworthy.

CHAPTER 3

RESEARCH METHODOLOGY, DATA ANALYSIS AND EMPIRICAL FINDINGS

3.1 Research Design

In this segment, the researcher distinguishes the chose look into techniques to encourage the acknowledgment of the examination goals. These strategies incorporate; investigate plan, populace that was focused on, information assortment instruments and methodology. This part additionally displays the after-effects of the broke down information and thinks on the examination discoveries. The outcomes are displayed as unmistakable, relapse and relationship investigation.

The purpose of this article is to explore and explain the impact of leadership attention on the capital practices and management of companies working with WCM. The starting point is to understand the sources of information to understand the practical results that the learning objective must achieve. Therefore, the investigation is a terrorist act. He argues that coordination is a combination of two different ways of managing complex learning for a given topic (Ward, Vertu, & Hague, 1999: 57). The disadvantage of using the mythical method is that it can be difficult to stay focused on the work, as the goals used are to influence the text. The methodology used in this study is that it incorporates principles and powers to better understand how organizations work with specific goals.

Adams et al (2007: 78) identified three research topics; to learn, to learn and to explain (in some cases). The study was conducted to investigate issues that have not yet been explored. Collins et al explained that academic research is a valuable tool for evaluating existing work, exploring new topics, assessments and new issues. The survey involves the use of various methods: interviews, observations, articles and more.

Descriptive research is a study of demographic characteristics and / or characteristics. Its goals are to gather accurate information about the individual's personality, purpose or situation (Yin, 2003: 67). The study factor analysis is used to determine the cause and relationship between the variables. Research describing visual communication between two or more variables is also called explanatory research (Yin et al., 2003: 76). These studies focus on the interpretation of their approach. The purpose of this study was to identify the link between working capital management and the efficiency of commercial banks, which prompted researchers to determine research methodology.

3.2 Data collection methods

The first step in collecting data was to identify the right commercial banks in Zimbabwe and Turkey. Banks were analyzed by banks based on secondary data analysis. The study uses secondary data collection methods derived from the literature and a cost-benefit analysis of financial statements that include income for tax purposes, income, current assets, current liabilities, loans and loans and securities. Non-performing assets Banks were selected from nine to 2009 to 2017. The study is based on the financial statements of Zimbabwean bankers listed on the Zimbabwe Stock Exchange (ZSE) as well as on Turkish-licensed banks from the Istanbul Stock Exchange (BIST). Banks' views and changes, such as the negative value of their assets and current assets, were ignored. In addition, only banks that performed non-financial transactions in 2009 and 2017 were included in the study, additional information on the financial statements and results sections was removed. The new market participants selected in ZSE were not included in the study due to lack of historical data.

3.4 Population and Sample

Population is characterized as a gathering all things considered, occasions or things that have normal attributes and are steady with specific qualities (Kwenda and Holden, 2013: 538) The populace studied right now 20 business banks, 10 business banks from Zimbabwe, and the staying 10 examples Turkish banks.

3.5 Data Analysis Procedures

Descriptive investigation was utilized to break down the information and to portray the focal inclination of progress and inside factors. Pearson's correlation investigation was utilized to decide the connection between factors. Correlation investigation was a measurable device utilized right now decide the level of connection of one variable to another. Utilizing correlation investigation, the examination had the option to decide the level of connection between's factors. The standard deviation of the net theory is to decide the factual importance at a likelihood level P <0.05. Multiple regression analysis was utilized to explore the linear connection among independent and dependent factors. Patel and Davidson (2011: 100) depicted multiple regression as a model in which dependent variables are subject to at least two factors. The principle favorable position of utilizing multiple regression examination is the capacity to gauge the impact of joining any number of independent variables into a needy variable. Salem and Rehman's (2011: 96) model was additionally used to decide the connection between working capital and the effectiveness of business banks. Ordinary test square was utilized to assess the model. We utilize the F test to test the model.

The following operational equations are used for empirical purposes. An earlier study by Salem and Rehman et al (2011: 97) developed this model in writing.

A common model used to test the performance of fixed assets is the following:

$$Y1, i, t = \alpha 1 + \beta 1X1,i,t + \beta 2X2,i,t + \beta 3\ X3,i,t + ui$$

This was then altered as follows:

$$ROE2i,t = \alpha 1 + \beta 1CUR,i,t + \beta 2LR,i,t + \beta 3TCR,i,t + ui\ldots\ (eqn.1)$$

$$ROA1i,t = \alpha 1 + \beta 1TCR,i,t + \beta 2LR,i,t + \beta 3CR,i,t + ui\ \ldots\ (eqn.2)$$

Where; TCR = total cash ratio

ROE = return on equity

ROA = return on assets

CR = current ratio

LR = liquidity ratio

TCR = total cash ratio

UI = error term

To investigate the extent to which changes in working capital affects a company's ROA equation 2 was developed.

3.6 Description and Explanation of Variables

3.6.1 Dependent Variables

Two dependent variables were utilized for this tract. Subordinate variable data: Return on equity (ROE) and Return on Asset (ROA) was extracted from statements of financial position as well as the statements of comprehensive income and expenditure.

ROE is characterized as the proportion of pre-charge benefit to add up to capital. ROA is characterized as pre-charge benefit on all out resources. This is the most well-known and perceived proportion of action in the bookkeeping and money related writing

3.6.2 Independent variables

Independent research indicators were: Current ratio (CUR) which is characterized as the ratio of current assets to current liabilities; Liquidity Ratio (LR) is defined as the allocation of all short-term financial institutions and investments to current liabilities; and Total Cash Ratio (TCR) is defined as the carrying amount of debt to current liabilities.

3.6.3 Control variables

For a solid investigation of the effect of capital administration on proficiency, it is regular for the capital property writing to incorporate some control factors to consider various components that may influence business effectiveness (Deelof, 2003; Eljelly, 2004; Lazaridis and Trononidis, 2006). ; Padachi, 2006; Afza and Nazir, 2007). In this manner, notwithstanding the above capital factors, some control factors characterized for banks and the economy when all is said in done are considered right now.

Leverage

Conservation of the effect of using the loan was considered a change in the control between debt and asset relationships. It is calculated by dividing total debt by total assets.

Leverage = Total Debt/Total Assets

Size of firm

Clearly firms' size influences proficiency; to keep the size as constant factor the analyst utilized characteristic logarithm of income as control variable.

Size of firm = Natural Logarithm of Revenue

3.7 Research Hypotheses

For a superior valuation for the effect of the segments of working capital on Return on Equity (ROE) and on the Return on Assets (ROA), the accompanying hypotheses were planned.

H_1: **There is a significant relationship between the CUR and the banks' ROE.**

H_2: **There is a significant relationship between LR and the banks' ROE.**

H_3: **There is a significant relationship between TCR and the banks' ROE.**

H_4: **There is a significant relationship between CUR and the banks' ROA.**

H_5: **There is a significant relationship between LR and the banks' ROA.**

H_6: **There is a significant relationship between TCR and the banks' ROA.**

3.8 Model Specifications

As referenced before, the impacts of working capital management on banks' proficiency was assessed by utilizing practically identical quantitative models of Raheman and Nasr, (2007), Panigrahi, Anita Sharma (2013). The general method utilized for the model was:

$$ROEit = \beta 0 + \sum \beta i \; n \; t{=}1 \; Xit + \varepsilon$$

$$ROAit = \beta 0 + \sum \beta i \; n \; t{=}1 \; Xit + \varepsilon$$

Source: Panigrahi, Anita Sharma (2013)

Where;

ROEit and ROAit = Return on Equity, and Return on Asset of the banks i at time t; i = 1, 2, 3…, 20 banks respectively.

β0 = the intercept of an equation

βi = Coefficient of ***Xit*** variables

Xit = the diverse autonomous factors for working capital management of firm i at time t.

t = Time from 1, 2…, 9 years

ϵ = error term

Model 1 and 5

This model was utilized to test the first and fourth theories; reliance of Return on Equity and Return on Asset on Current Ratio (CUR).

ROE it = β0 + β1 (CURit) + β2 (DARit) + β3 (LnRevenueit)

ROA it = β0 + β1 (CURit) + β2 (DARit) + β3 (LnRevenueit)

Model 2 and 6

For testing the second and fifth hypotheses; dependence of Return on Equity and Return on Asset on Liquidity Ratio (LR), this model was used.

ROE it = $\beta0 + \beta1$ (LRit) + $\beta2$ (DARit) + $\beta3$ (LnRevenueit)

ROA it = $\beta0 + \beta1$ (LRit) + $\beta2$ (DARit) + $\beta3$ (LnRevenueit)

Model 3 and 7

This model was used to test the third and sixth hypotheses; reliance of Return on Equity and Return on Asset on Total Cash Ratio (TCR).

ROE it = $\beta0 + \beta1$ (TCRit) + $\beta2$ (DARit) + $\beta3$ (LnRevenueit)

ROA it = $\beta0 + \beta1$ (TCRit) + $\beta2$ (DARit) + $\beta3$ (LnRevenueit)

Where,

ROEit = return on equity of banks i for period t

ROAit = return on asset of banks i for period t

CURit = current ratio of banks i for period t

TCRit= total cash ratio of banks i for period t

LRit = liquidity ratio of banks i for period t

DAR it = Debt to Asset Ratio of banks i for period t

Ln Revenue it = Natural Log of Revenue of banks i for period t

$\beta0$ = intercept

3.9 Test of Significance

To complete the linear analysis, the correlation analysis, the substitution function (R) (which teaches the direction and strength of the linear relationship between the variables), the settlement cycle (quadratic) shows how the one-way difference is what has been truly guarded against since. To study the relationships between these variables, Pearson regression was performed.

3.10 Descriptive Analysis

The descriptive statistics were registered in order to give a point by point misgiving to the pattern of working capital management, operational proficiency among the example banks and it was likewise utilized as remain to give proposals in the wake of distinguishing the connection between the factors from correlation and regression analysis. The illustrative examination exhibited the normal, and standard deviation of the various factors of enthusiasm for the exploration. It additionally introduced the base and most extreme estimations of the factors which were of much assistance in getting an image around the greatest and least qualities a variable could accomplish.

Table 3.1 Descriptive Analysis – Turkish Banks

Variable	Obs.	Minimum	Maximum	Mean	Std. Deviation
ROE	90	-0.4	30.4	12.904	6.06849
ROA	90	1.02	2.9	1.7543	0.37488
CUR	90	0.1	1.3	1.0347	0.12572
LR	90	0.21	0.67	0.4022	0.10634
TCR	90	0.85	1.25	1.1007	0.10679
LEV	90	0.1023	0.3552	0.213898	0.0560818
SIZE	90	5.0461	11.9511	8.340537	1.3548919
Valid N (listwise)	90				

Source: Research Findings

Table 3.2 Descriptive Analysis – Zimbabwean Banks

Variable	Obs.	Minimum	Maximum	Mean	Std. Deviation
ROE	90	-7.2	28	12.9601	5.99733
ROA	90	-2.68	2.98	1.2779	1.03085
CUR	90	0.87	1.71	1.0474	0.10535
LR	90	0.32	42	1.001	4.61322
TCR	90	0	1.25	1.0931	0.15965
LEV	90	0.1132	0.2971	0.201707	0.0411494
SIZE	90	5.6245	9.23	7.62818	0.8077211
Valid N (listwise)	90				

Source: Research Findings

Tables 3.1 and 3.2 give illustrative insights to ten commercial banks in Turkey and ten commercial banks in Zimbabwe, during the nine years from 2009 to 2017 seven variables were utilized. Furthermore, these seven variables are assembled into five independent and two dependent variables. Of the five independent, three speak to the viability of bank tests. The other two factors are the control variables, which are the size of banks, estimated by the characteristic logarithm of income, and taken for ceaseless use as a control variable by banks.

Also, the tables give elucidating insights on three variables of working capital management, including current ratio (CUR), total cash ratio (TCR), and liquidity ratio (LR).

Table 3.1 shows a descriptive analysis for Turkish banks. ROE banks ranged from - 0.4% to 30.4% between 2008 and 2017, with an average of 12.9% and a standard of 6,068. The ROA ranged from 1.02% to 2.9% and 1.75% on average. This means that, on average, banks are not as efficient at making money from using their assets. SIZE, 53 which is an asset record, shows banks size from 5.0461 to 11.9511 with a standard deviation of 1.355 with an average size of 8.341. Turkish banks also showed credit pressure of 21.3% and annual growth of 8.34%. Thus, we can conclude that 21% of banks' assets are debt financed, indicating a low level of pressure and are growing rapidly.

On the other hand, Table 3.2 presents a descriptive analysis for ten selected commercial banks in Zimbabwe, showing that between 2008 and 2017 the ROE level of banks ranged from 7.2% to 28%, with an average of 12.96% and a. SD. of 5,997.

Banks ’ROA was 1.28%, which means that banks were not efficient in using assets to generate revenue. The current ratio of commercial banks is 1.04 and 0.1. The current highest rating of a company in a commercial bank is 1.71 times and a similar ratio of 0.87.

To test debt financing and its relationship to bank viability, an leverage ratio (an adjustment in the organization's absolute obligation to its all-out resources) was utilized as a control variable. The after-effects of the descriptive statistics show that the normal financing cost on business bank advances is 20.17% and the standard deviation of 4.1%. The most maximum debt financing utilized bank advances is 29% and the minimum debt level is 11%.

3.11 Correlation Analysis

Pearson relationship was utilized to investigate the quality of the connection between reliant factors (ROE and ROA) and free factors (CUR, TCR, LR) and LEV, SIZE as control factors utilizing the SPSS. Furthermore, Pearson connection was additionally used to distinguish the multi-co linearity between the autonomous and control factors of the examination.

3.11.1 Establishing the relationship between the working capital and efficiency of Turkish Commercial Banks

Table 3.3 Correlation Analysis

	ROE	ROA	CUR	LR	TCR	LEV	SIZE
ROE	1.						
ROA	.434**	1.					
CUR	-.08	.14	1.				
LR	-.407**	-.1	.1	1.			
TCR	-.296**	-.09	.14	.07	1.		
LEV	-.09	-.15	-.02	.16	.12	1.	
SIZE	.311**	.2834	.21	-.18	-.03	-.01	1.

Source: Research Findings

From the results and analysis of the relationship between ROE, ROA and the variables explained in Table 3.3, most of the correlation coefficients are significant at the 1% level and all at the 5% level, which means that all independent variables are significant in interpreting the dependent variable. .

It is clearly shown that the correlation coefficient is among the three variables; CUR, LR, and TCR show a negative correlation with ROE. This shows that when the CUR, LR and TCR variables are reduced, the ROE variable increases. The impact of TCR and CUR on ROE has shown a weaker relationship, which means that TC and CR decrease as banks increase their assets. Therefore, CUR and TCR are key indicators of banks ’ROE efficiency between 2009 and 2017.

The correlation coefficients between ROA and CUR recorded a low positive correlation, which means that the efficiency of banks explained by ROA is partly determined by CUR.

The correlation coefficients between ROA and LR, TCR indicate a weak negative relationship, which means that changes in TCR and LR have no significant effect on ROA.

As far as control variables, there is a positive correlation between ROE, ROA and SIZE. This implies the higher the bank, the better its profitability and the better its value return. These outcomes are additionally reliable with Shin and Soenen (1998) and Lirodi and Lazaridis (2000) and Abuzaid (2012).

In addition, there is a negative relationship between ROE / ROA and LEV; Thus, SooCheong and Kwangmin (2011) show that low debt levels can lead to increased productivity and profitability of banks ’capital.

There are some positive relationships when it comes to the relationship between independent variables, especially between CUR and other components. Therefore, the following analysis considers these results for the prevention of perennial problems.

3.11.2 Establishing the relationship between the working capital and efficiency of Zimbabwean Commercial Banks

Table 3.4 Correlations

	ROE	ROA	CUR	LR	TCR	LEV	SIZE
ROE	1.						
ROA	.297**	1.					
CUR	.12	.08	1.				
LR	-.02	.01	.05	1.			
TCR	-.01	.05	.14	-.02	1.		
LEV	-.08	-.03	.14	-.03	.13	1.	
SIZE	.07	.247*	.15	.06	.12	-.11	1.

Source: Research Findings

The ROE and CUR index of banks in Zimbabwe is shown in Table 3.4, with a positive ratio of 0.12, which means an increase in current assets with the return on equity of banks. A positive connection among ROE and ROA and SIZE is likewise appeared. Thusly, this is a positive connection among volume and proficiency. The positive coefficient is 0.7 and 0.247. P esteems were .036 and .046. A huge impact is = 5%. This demonstrates the size of the business will increment and its profitability will increment. These outcomes are additionally in accordance with Kwenda (2014), who noticed that littler banks work more as often as possible than bigger banks.

The current ratio is a traditional measure of bank liquidity testing. In the current analysis, the current relationship maintains a significant and positive relationship with both capital and profitability of banks. The coefficients were 0.12 and 0.08. The coefficients of the coefficients at (0.297) and (0.463) were correlated with ROE and ROA, respectively.

This showed a negative coefficient of ROE and ROA with LEV of -0.08 and -0.03, respectively.

3.12 Regression Results

The main disadvantage of Pearson's relationship is that they do not determine the cause of the consequences. To address this deficit, the researcher used regression analysis to investigate the components of working capital based on the dependent variables: Return on Capital (ROE) and Return on Assets (ROA).

The researcher also performed a multivariate analysis based on different regressions to test the proposed research hypotheses. With this analysis, the aim of the study was to study the effect on productivity and profitability associated with each independent variable as well as some of the control variables. On the other hand, the potential impact of banks' financial constraints on the level of capital adequacy was also analysed using the auditing and auditing methodology described above.

First, the experiment determined which model is suitable for the regression calculation, as described above. The researcher began using the Pooled OLS model to initiate regressions and analyze statistical tests of F. The Hausman test was performed to verify whether these effects were considered to be accidental or fixed. Finally, the null hypothesis of the test was rejected, indicating that individual nonlinear effects are considered robust and therefore the best FE model.

After performing these experiments, multiple regression analyzes were performed with a robust model and an appropriate model.

3.12.1 The Hausman Test Results

The intensity of the FE model outcomes was contrasted and that of the General Startup Method (GMM). The GMM results created coefficients with comparative signs to the EF. The general model outcomes were poor, so the researcher was unable to confide in the outcomes.

Table 3.5 likewise shows the regression results for ROE. The FE model was additionally for the ER with a chi-square of 33.93. The model shows that the two variables are significant in clarifying ROE CUR and LR. The second TCR variable was not significant at the 5% noteworthiness level.

Table 3.6 shows that the CUR was huge at the 5% level of centrality, which implies that the CUR was a conclusive factor in considering ROA changes. LR and TCR were not huge at the 5% hugeness level, affirming that there was practically zero between these parts and ROA. This suggests advantage in the budgetary part relies upon inside segments. In that capacity, profitability depends upon the idea of the management decisions (Javaid et al., 2011; Athanasoglou et al., 2006).

Table 3.5: Panel of Regression Results – ROE

Variable	Dependent variable: ROE			
	Fixed effects		GMM	
	Coefficient	t-statistic	Coefficient	t-statistic
C	0.4606	2.6591*	0.3859	2.0306*
ROE (-1)	0.0627	1.5086	0.025	2.0865*
CUR	0.4518	3.0963*	-0.1064	2.2753*
LR	0.0442	-2.295*	-0.0511	-0.8216
TCR	-0.3931	-3.4794	-0.0904	-1.8441
LEV	0.0294	-6.8925*	0.1141	0.698
SIZE	-0.0577	-2.0164*	-0.0539	-1.8514*
	R2: 0.4799		R2: 0.3224	
	Adjusted R2: 0.4414		Adjusted R2: 0.2722	
	SIC: -0.8207			
	AIC: -0.5396			
	P>Chi-Square>33.93			

Source: Research Findings

Table 3.6: Panel of Regression Results – ROA

Variable	Dependent variable: ROA			
	Fixed effects		GMM	
	Coefficient	t-statistic	Coefficient	t-statistic
C	0.2752	2.6591*	0.3859	2.0306*
ROA (-1)	0.0142	1.5086	0.025	2.0865*
CUR	0.0688	3.0963*	-0.1064	2.2753*
LR	-0.0648	-2.295	-0.0511	-0.8216
TCR	-0.0949	-3.4794	-0.0904	-1.8441
LEV	-0.2418	-6.8925*	0.1141	0.698
SIZE	-0.0288	-2.0164*	-0.0539	-1.8514*
	R2: 0.4369		R2: 0.172	
	Adjusted R2: 0.3941		Adjusted R2: 0.111	
	SIC: -3.5671			
	AIC: 2 to -3.8481			
	P > Chi-Square > 24.918			

Source: Research Findings

3.13 Multiple Regression Analysis: Linear Relationship

Broad exact proof for the connection between working capital administration and profitability, proposes that bringing down degrees of working capital may add to firm profits (Deloof, 2003; Lazaridis and Tryfonidis, 2006; García-Teruel and Martínez-Solano, 2007).

Table 3.7: Model Testing Results on Dependent Variable ROE

Parameter	Model 1	Model 2	Model 3	Model 4
R2	0.647	0.139	0.056	0.06
Adjusted R2	0.64	0.12	0.035	0.039
Regression F	83.23	7.316	2.687	2.873
Significance	0.000**	0.000**	0.049**	0.039*
Constant	21.972(0.000)**	3.287(0.001)**	7.063 (0.000)**	7.040 (0.000)**
CUR	4.346(0.000)**			-14.973 (0.000)**
LR		-9.124(0.000)**		2.836 (0.005)**
TCR			-0.379 (0.705)	2.199 (0.030)*
LEV	2.465(0.015)	0.556 (0.579)	-0.092 (0.927)	0.109 (0.913)
SIZE	-4.776(0.000)***	-1.285 (0.201)	-2.539 (0.012)	-2.701 (0.008)**

Source: Research Findings

Results of Model 1

This model incorporates CUR as a independent and two control variables, showing that there is no significant connection among CUR and ROE.

The estimation of the F test at 83.23 demonstrates this is significant and we can't subsequently overlook the H1 balance. It tends to be inferred that the CUR is a significant factor in anticipating terrible banks.

The revision capacity of this model shows that a 64% contrast in ROE is clarified by contrasts in CUR. Also, this model decides the causal correlation among CUR and banking (ROE).

Model results 2

There is a huge connection among LR and ROE. Like Model 1, the factors utilized are indistinguishable, aside from CUR, which is supplanted by LR. The outcomes determined for the R2 amendment at 0.120 and the F update at 7.316 demonstrate that Model 2 is critical and in this manner the H2 signal is adequate.

The review results show that there is a noteworthy negative connection among LR and ROE.

Model 3

To test the effect of TCR on bank performance, Model 3. We hypothesized that a significant correlation between TCR and ROE was tested using this model. Model estimates indicated that the TCR had a negative effect of 00,379, but this was not statistically significant. Therefore, firm H3 was rejected and it can be concluded that TCR is not an important factor to consider when increasing ROE.

Table 3.8: Model Testing Results on Dependent Variable ROA

Parameter	Model 5	Model 6	Model 7	Model 8
R2	0.527	0.139	0.056	0.18
Adjusted R2	0.032	0.12	0.035	0.09
Regression F	59.13	7.316	2.687	3.875
Significance	0.048**	0.207**	0.649**	0.039*
Constant	18.562(0.000)**	6.385(0.001)**	9.983 (0.000)**	8.240 (0.000)**
CUR	-15.116(0.000)**			-14.973 (0.000)**
LR		14.273(0.207)**	-3.421698	2.836 (0.005)
TCR			-10.512 (0.197)**	2.199 (0.030)
LEV	2.465(0.015)	0.556 (0.579)	-0.092 (0.927)	0.109 (0.913)*
SIZE	-4.776(0.000)***	-1.285 (0.201)	-2.539 (0.012)	-2.701 (0.008)**

Source: Research Findings

In Table 3.8, the dependent variable was ROA. Model 5 tried the CUR as an independent variable alongside two control variables. This model indicated that there was a negative connection among CUR and ROA; implies that bringing CUR additionally drives down to expanded ROA. At a significant level of 0.048 <0.05, it is factually noteworthy. Consequently, the heaviness of the proof proposed the reception of Hypothesis H4, which affirms that there is a significant relationship between CUR and ROA under examination by commercial banks.

As appeared in the table, Model 6 tests the LR relationship as an independent variable with two other control variables and the ROA. It uncovered a positive connection between LR and ROA, which implies that expanded LR likewise prompts expanded ROA. At the sig. level of 0.207 <0.05, it was not factually critical. Accordingly, the heaviness of the proof proposed a dismissal of hypothesis H5. This implies the adjustment in LR has no effect on the ROA of the commercial banks considered.

Model 7 was worked to test the impact of TCR changes on ROA. As appeared in the table, the NMR coefficient was - 10,512. This indicated TCR was contrarily corresponded with ROA, proposing that bringing TCR likewise drives down to expanded ROA. At a sig. level of 0.649 <0.05, it isn't measurably critical. Hence, the heaviness of the proof proposes the rejection of hypothesis H6. In R2, different distinguishing proof coefficients show how dependent variables influence dependent factors. The inspecting list shows that the Multiple Identification Factor (R2) is 0.056. Along these lines, 5.6% of the dependent variable factors were clarified by free example factors. He likewise demonstrated that chose independent variables are not a main consideration in the ROA of commercial banks.

3.14 Conclusion: Summary of Key Findings

Table 4.1 below presents a summary of the results that were found in Chapter 3.

Table 3.9: Summary of Empirical Results

No	**Hypothesis**	**Result**
Hypothesis H $_1$	A significant correlation exists between the CUR and the banks' ROE	Accepted
Hypothesis H $_2$	A significant relationship exists between LR and the banks' ROE.	Accepted
Hypothesis H $_3$	A significant correlation exists between TCR and the banks' ROE.	Accepted
Hypothesis H $_4$	A significant correlation exists between CUR and the banks' ROA.	Accepted
Hypothesis H $_5$	A significant relationship between LR and the banks' ROA exists.	Rejected
Hypothesis H $_6$	A significant relationship between TCR and the banks' ROA exists.	Rejected

Source: Research Findings

The study found additional links to Pearson's correlation analysis as well as regression analysis. It was discovered that there is a significant relationship among ROE and CUR. Better consistency and better CUR are expected to help improve bank performance in terms of economy. On the other hand, there was a negative response between ROA and CUR. The index was significant, provided the bankruptcy rate increased as ROA CUR exposure increased. In addition, ROE and LR and TCR were positively correlated with target level. It is believed that if the bank intends to increase its ROE, LRs and TCRs should be reduced. These results are consistent with the studies of Jeng-Ren et al. (2006), Rahman et al. (2007) and Ware (2009).

In addition, there was a negative association between flooding and ROE. The negative correlation between working capital and variable variables indicates that flooding resulted in loss of ROE and location. Therefore, when banks pay their active prices, employment rates decrease and the truth continues.

Negative ROAs were appropriate for TCR and LR, but to a lesser extent. Therefore, this measure does not matter because it is aimed at increasing the profitability of commercial banks. The above results show how investment management has affected the efficiency of commercial banks; therefore, sound investment management is essential for the business finance industry.

The findings and conclusions of this study are also based on previous studies on Lazardidis, Loannis, Trefondis, Dimitrois (2006), Nazir and Afza (2009), Zubairi (2010), Naboni, Abdallahi and Alhajjar (2010), Chartreyji (2010). and Hasanpour (2007).

CHAPTER FOUR

CONCLUSIONS AND RECOMMENDATIONS

Capital management is an integral part of the decisions of the financial management company. The purpose of working capital management is to strike a balance between what works as capital. The success of a firm's business depends on increasing the value of the business. An important factor in increasing added value is the efficiency and effectiveness of capital management for capital operations. Strong success is related to the effective management of all aspects of capital investment.

In developing countries, such as Turkey, the development of the banking sector is crucial to the country's economic development. Consumers face the financial crisis, which is one of the main challenges to survive in the competitive sports market. In addition, banks have to do better by managing their working capital to reduce the need for external financing due to lack of resources. In this context, the aim of this study is to show the balance between WCM and the stability of the banking system using banking data in the Indian Stock Index in Turkey and ZSE in Harare Zimbabwe.

In this research study, capital areas of up to 10 Zimbabwe astronomical units and Turkish astronomical banks were assigned to the Istanbul Department of Commerce.

Compare 2009 and 2017 results. As a result, Turkish companies are more inclined to see ROA growth than banks in Zimbabwe. It is safe to say that Turkish banks are a good platform for managing incentive industries. But; From CUR's perspective, Zimbabwe's banks are much better than Turkish banks. This suggests that banks in Zimbabwe will be less successful than Turkish companies in meeting their short-term commitments.

It says more Turkish banks have managed to keep TLRs much smaller than banks in Zimbabwe. Following the 2008 global financial crisis, Turkish banks joined the Foundation III reforms, adopted by the Basel Finance Committee in January 2013, and are following a follow-up policy. more profitable than the Zimbabwean government banks on the agenda.

Suppose that Turkish companies have high income and financial costs in all their assets, which is more important than Turkish companies. At worst, short-term loans can be applied to Turkish banks.

Asset yield, as mentioned above, is higher than in Zimbabwean banks. The results of the financial balance in the two countries do not indicate that the average expenditure is different. But; This study did not determine whether these findings came from the same case study or whether it was beneficial to the banks. This requires a different analysis. In this study, we analyzed the differences between the results of the firms from only two countries.

Policymakers should be encouraged to promote effective capital management to promote effective work and management. Therefore, there must be a strong desire for senior management of all banks to make sound capital and financial decisions to be effective, profitable and competitive. Therefore, managers need to know how and why their capital structure affects their overall efficiency.

Finally, the study recommends that Zimbabwe's commercial banks improve liquidity base reforms along with reforms of Base III and Turkish banks to improve their financial performance.

References

Abuzayed, B. (2012), Working capital management and firms' performance in emerging markets: The case of Jordan. International Journal of Managerial Finance, 8(2), 155-179.

Adams, J., Khan, H. T. A., Raeside, R. & White, D., 2007, "Research Methods for Graduate Business and Social Science Students", Response, Business books from SAGE

Afza, T. & Nazir, M. (2009). Impact of aggressive working capital management policy on firm's profitability. The IUP Journal of Applied Finance, 15(8),pp. 20-30.

Afza, T., & Nasir, M.S. (2007).Is it better to be aggressive or conservative in managing working capital? Journal of Quality and Technology Management, 3(2), 11-21.

Akbulut, Ramazan (2011). "İMKB'de İmalat Sektöründeki İşletmelerde İşletme Sermayesi Yönetiminin Kârlılık Üzerindeki Etkisini Ölçmeye Yönelik Bir Araştırma". İstanbul Üniversitesi İşletme Fakültesi Dergisi 40 (2) 195-206.

Alipour, M. (2011). Working capital management and corporate profitability: Evidence from Iran. World Applied Sciences Journal, 12(7), 1093-1099.

Ani, Uchenna,W. , Okwo, Ifeoma, Ugwunta, Okelue (2012), Effects of Working Capital Management on Profitability: Evidence From The Top Five Beer Brewery Firms In The World, Asian Economic and Financial Review 2(8):966-982

Anyanwaokoro, M. (1996), Banking Methods and Processes. Enugu: Hosanna Publications.

Arnold, G. (2008). Corporate financial management (4th Ed.). Essex: Prentice Hall.

Baños-Caballero, S., García-Teruel , P. J., & Martínez-Solano, P. (2012). How does working capital management affect the profitability of Spanish SMEs? Small Business Economics, 39(2), 517-529.

Baños-Caballero, S., García-Teruel, P. J., & Martínez-Solano, P. (2014). Working capital management, corporate performance, and financial constraints. Journal of Business Research, 67, 332-338.

Baños-Caballero, S., García-Teruel, P., & Martínez-Solano, P. (2010). Working capital management in SME´s. Accounting and Finance, 50, 511-27.

Bayrakdaroğlu, Ali (2013). "İşletme Sermayesi Yönetimi Ders Notları", http://akademik.mu.edu.tr/Icerik/abayrakdaroglu/Dokuman/MSKUDERS_NOTU_%C4 %B %C5%9Fletme_Sermayesi_Y%C3%B6netimi.pdf, 01 Kasım 2014'te erişildi)

Berger A and Bouwman H, (2009), "bank capital survival and performance around financial crisis."University of South Colorina.

Berger, A.N. and D.B Humphrey (1997) "Efficiency of Financial Institutions: International Survey and Directions for Future Research" European Journal of Operational Research, 98(2):175-212.

Berger, Herring and Szegö, (1995), "Combining efficiency with ROA: indicator of future

Bhattacharya, J. (1997). Credit market imperfections, income distribution, and capital accumulation. Economic Theory. , 11 (1), 171-200.

Bobáková, I.V. (2003), Raising the profitability of commercial banks. BIATEC, XI, 21-25.

Bolak, Mehmet (2000). İşletme Finansı. İstanbul: Birsen yayınevi Ltd.Şti

Bordo, M. D. & A. Redissh (2003) Is Deflation Depressing? Evidence from the Classical Gold Standard. National Bureau of Economic Research Working Paper 9520

Brealey, R., Meyers, S. & Allen, F., 2001, "Principles of Corporate Finance, 10th Ed." McGraw Hill, Singapore

Brigham, E. C., & Houston, M. (2007).Foundations of financial management. London: Dryden Press Publishers.

Brigham, E., Gapenski (1987) Intermediate financial management. Dryden Press series in finance

BRSA / Institutional Communication and Foreign Relations Department. (2015). BRSA Information Booklet. Ankara. Retrieved from http://www.bddk.org.tr/websitesi/english/About_Us/About_BRSA/5804brsa_booklet_n ov2015.pdf

BRSA.(2001). Towards a Sound Turkish Banking Sector. Retrieved from http://www.bddk.org.tr/WebSitesi/english/Reports/Other_Reports/2642annex_report_to war s_a_sound_turkish_banking_sector.pdf

BRSA. Bankalarca Kredilerin Ve Diğer Alacakların Niteliklerinin Belirlenmesi Ve Bunlar İçin Ayrılacak Karşılıklara İlişkin Usul Ve Esaslar Hakkında Yönetmelik, Resmi Gazete 26333 (2006). Turkey. Retrieved from http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.10734&MevzuatIliski=0&so urceXmlSearch=BANKALARCA KREDİLERİN VE DİĞER ALACAKLARIN NİTELİKLERİNİN BELİRLENMESİ VE BUNLAR İÇİN AYRILACAK KAR%

Cooper, R., & Schindler, P. (2003).Business research methods. Tata McGraw Hill.

Deloof, M. (2003). Does working capital management affect profitability of Belgian firms? Journal of Business, Finance and Accounting, 30(3) & (4), 306-686.

Deloof, M., & Jegers, M. (1996). Trade credit, product quality, and intragroup trade: some European evidence. Financial Management, 25, 33-43.

Diamond, D. W. & P. H. Dybvig (1983) Bank Runs, Deposit Insurance and Liquidity. Journal of Political Economy, 91, 401-419.

Diamond, D. W. & R. G. Rajan (2000) A Theory of Bank Capital. Journal of Finance, 55, 2431-2465.

Diamond, D. W. (2007) Banks and Liquidity Creation; A Simple Exposition of the Diamond-Dybvig Model. Federal Reserve Bank of Richmond Quartely Review, 93.

Diamond, Douglas W., and Raghuram G. Rajan. (2000). “A Theory of Bank Capital.” Journal of Finance 55, no. 6 (December): 2431-65.

Diebold, F.X., Yilmaz, K. (2013), Measuring the dynamics of global business cycle connectedness. In: Koopman, S.J., Shephard, N. editors. Unobserved Components and Time Series Econometrics: Essays in Honor of Andrew C. Harvey, Oxford University Press. PIER Working Paper No. 13-070.

Eljelly, A.M.A. (2004). Liquidity-profitability Tradeoff: An empirical investigation in an emerging market. International Journal of Commerce & Management, 14(1), 48-61.

Enqvist, Julius, Graham, Michael ve Nikkinen, Jussi (2014). “The impact of working capital management on firm profitability in different business cycles: Evidence from Finland”. Research in International Business and Finance 32: 36–49.

Filbeck, G., & Kruegar, T.M. (2005).An analysis of working capital management results across industries. International Journal of Business, 20(2), 11-18.

Gakure, R., Cheluget, K.J. Onyango, J.A, & Keraro, V. (2012). Working capital management and profitability of manufacturing firms listed at the Nairobi stock exchange. Prime Journal of Business Administration and Management (BAM), 2(9), 680-686.

Gale, D., Vives, X. (2002), Dollarization, bailouts, and the stability of the banking system. Quarterly Journal of Economics, 117(2), 467-502.

Ganesan V (2007): “An analysis of working capital management efficiency in Telecommunications Equipment Industry in the United States’’, River Academic Journal, 3(2).

Ganeshan, V. (2007) An Analysis of Working Capital Management Efficiency in Telecommunication Equipment Industry. Rivier Academic Journal, 3 (2).

García-Herrero, A., Gavilá, S., Santabárbara, D. (2009), What explains the low profitability of Chinese banks? Journal of Banking and Finance, 33, 2080-2092.

Gill, A., Biger, N., & Mathur, N. (2010). The relationship between working capital management and profitability: Evidence from the United States. Business and Economics Journal, 4 (2), 1-9.

Gill, Amarjit, Biger, Nahum and Neil Mathur (2010) “The Relationship Between Working Capital Management and Profitability: Evidence from The United States”, Business and

Economics Journal, Vol. 2010: BEJ-10, available at http://astonjournals.com/manuscripts/Vol2010/BEJ-10_Vol2010.pdf. accessed at 9 April 2012.

Gitman, J. L. (1979). “An Assessment of Corporate Cash Management Practice”.

Gitman, L.J. (2007), Principles of Managerial Finance. 12th ed. Boston, MA: Pearson Education, Inc.

GoZ. (2016), National Budget Statement, Harare, Zimbabwe

Gulde, A., Hoelscher, D., Ize, A., Marston, D., De Nicoló, G. (2004), Financial stability in dollarized economies. IMF Working Paper No. 230.

Hampton, J. J., & Wagner, C. L. (1989). Working capital management. New York, NY: John Wiley and Sons.

Hoffman, P.S. (2011), Determinants of the profitability of the US banking industry.
International Journal of Business and Social Science, 2(22), 255-269.

Hofmann, E., 2005, "Supply Chain Finance: some conceptual insights", Lasch, R./ Janker, C. G., (Hrsg.): Logistik Management – Innovative Logistikkonzepte, Wiesbaden, pp. 203-214.

Horne, J.C., & Wachowicz J.M. (2000). Fundamentals of financial management. New York, NY: Prentice Hall Publishers.

Isik, I., & Hassan, M. K. (2003). Financial Deregulation And Total Factor Productivity Change: An Empirical Study Of Turkish Commercial Banks. Journal of Banking & Finance, 27(8), 1455–1485. doi:10.1016/S0378-4266(02)00288-1

Joshi, R. N. (2013). Cash Management Perspective Principles and Practices, Newage, International

Kieschnick, R., LaPlante, M., Moussawi, R., 2008.Working capital management, agency costs, and Company value, University of North Texas University Press, AustinLuo, M. et al., 2009. Cash Conversion Cycle, Firm Performance and Stock Value

Kithii, J.N. (2008). The relationship between working capital management and profitability of companies listed at the NSE. Unpublished MBA Research project, University of Nairobi.

Kwenda, F. & Holden, M. (2013). Working capital structure and financing pattern of Selected JSE-listed firms. Mediterranean Journal of Social Sciences., 4(13), pp. 531-540.

Kwenda, F. (2014). Trade Credit In Zimbabwe's Economic Recovery. Mediterranean Journal of Social Sciences., 5(2), pp. 431-439.

Lazaridis, I., & Tryfonidis, D. (2006). The relationship between working capital management and profitability of listed companies in the Athens Stock Exchange. Journal of Financial Management and Analysis, 19(1), 1–12.

Luo, Xueming ve Christian Homburg (2009) “Satisfaction, Complaint, and the Stock Value Gap”. Journal of Marketing 72 (4): 29-43.

Machiraju, H. R. (2008) Modern Commercial Banking. New Age International.

Makoni, T. A. (2006) Aetiology of Zimbabwe's Banking Crisis (2003-2004). In Management Principles- Industry and Regulatory Perspective. Australia.

Mangudhla, T. & Mambo, E. (2013). Zimbabwe: 700 Harare firms close, Zimbabwe Independent. Retrieved from http://www.trademarksa.org/news/zimbabwe-700-harare-firms-close.

Melita, C., Elfani, M. & Petros, L. (2010), The Effect Of Working Capital Management On Firm’s Profitability: Empirical Evidence From An Emerging Market, Journal of Business & Economics Research – December, 2010 8, Number 12

Moore, W. (2010) How Do Financial Crises Affect Commercial Bank Liquidity. MPRA Paper, 21473.

Moyer, R.C. McGuigan,J. R., & Kretlow,W.J.(2005). Contemporary financial management (10th Edition). New York: South-Western College Publication.

Moyer, R.C., McGuigan, J.R. & Kretlow, W.J. (2005). Contemporary Financial Management (10thEd.).New York: South-Western College Publishing

Muhammad, A,& Syed, I. H. (2011). Impact of Working Capital Management on Firms‟ Performance: Evidence fromNon-Financial Institutions of KSE-30 indexes,Interdisciplinary Journal of Contemporary Research in Business, 3, 8.

Nobanee, H., Abdullatif, M., AlHajjar, M. (2011), Cash conversion cycle and firm’s performance of Japanese firms. Asian Review of Accounting, 19(2), 147-156.

Padachi, K. (2006). Trends in working capital management and its impact on firms‘performance: An analysis of Mauritanian small manufacturing firms. International Review of Business Research paper, 2(2), 45-58.

Padachi, K., Narasimhan, S. M., Durbarry, R., & Howorth, C. (2008). An analysis of working capital structure and financing pattern of Mauritian small manufacturing firms. Journal of Applied Finance, 14, 41-62.

Pandey, I.M., & Parera, K.L.W. (1997). Determinants of effective working capital Management- A Discriminant analysis approach. IIMA Working Paper # 1349, Research and Publication Department, Indian Institute of Management, 1(1), 10-20.

Panigrah, A.K. (2013), Cash conversion cycle and firms' profitability – A study of cement manufacturing companies of India. International Journal of Current Research, 5(6), 1484-1488.

Panigrahi, A.K., Sharma, A. (2013), Working capital management and firms' performance: An analysis of selected Indian cement companies. Asian Journal of Research in Business Economics and Management, 3(9), 115-130.

Patel, R., & Davidsson, B., (2011). Forskningsmetodikens grunder, Att planera, genomföra och rapportera en undersökning. 1st edition. Lund: Studentlitteratur.

Peel, M. L.,& Wilson, N. (2000). Working Capital and financial management Practices in small firm sector.International Small and business journal , 14(2), 52-68.

Q. Saleem, and R. Rehman, (2011) "Impacts of liquidity ratios on profitability Case of oil and gas companies of Pakistan," Interdisciplinary Journal of Research in Business, Vol. 1, No. 7, 2011, pp. 95-98.

Rafuse, M.E. (1996). Working capital management: An urgent need to refocus. Journal of management decisions, 34(2), 59-63.

Raheman, A., & Nasr, M. (2007). Working capital management and profitability case of Pakistan firms. International Review of Business Research Papers, 3 (1), 279-300.

Raheman, A., Afza, T., Qayyum, A., & Bodla, M.A. (2010). Working capital management and corporate performance of manufacturing sector in Pakistan. International Research Journal of Finance and Economics, Issue 47, 151-163.

RBZ. (2016), Harare, Zimbabwe: Bank Annual Report

Şamiloğlu, Famil ve Demirgüneş, Kartal (2008). "Effect of Working Capital Management on Firm Profitability: Evidence From Turkey". The International Journal of Applied Economics and Finance 2 (1): 44-50.

Sathamoorthi, C.R. (2002). The Management of Working Capital in selected co-operatives in Botswana. Finance India Dehli16(3), 1015-1034.

Shin, H., & Soenen, L. (1998). Efficiency of Working Capital and Corporate Profitability.

Journal Financial Practice & Education, 8(2), 37-45.

Smith, K. (1980). Profitability versus liquidity tradeoffs in working capital management. In K.V. Smith, Readings on the Management of Working Capital (pp. 549-62). St Paul, MN:

West Publishing Company.

SooCheong, J., & Kwangmin, P. (2011). Inter-relationship between firm growth and profitability. International Journal of Hospitality Management, 30(4), 1027-1035.

The Banks Association of Turkey. (2014). Statistical Reports - Selected Ratios. Retrieved from http://www.tbb.org.tr/en/banks-and-banking-sector-information/statistical-reports/20

Vento, G. A. & L. P. Ganga (2009) Bank Liquidity Risk Management and Supervision: Which Lessons from Recent Market Turmoil? Journal of Money, Investment and Banking, 79-126.

Vishnani, S. and Shah, B.K. (2007). Impact of Working Capital Management Policies on Corporate Performance— An Empirical Study

Vong, P.I., Chan, H.S. (2009), Determinants of bank profitability in Macau. Macau Monetary Research Bulletin, 12, 93-113.

Ward, T., Vertue, F. M. & Haig, B. D., 1999, "Abductive Method and Clinical Assessment in Practice", Behaviour Change, 16, 1, pp. 49-63.

Weinraub, H.J., & Visscher, S. (1998). Industry practice relating to aggressive conservative working capital policies. Journal of Financial and Strategic Decision, 11(12), 11-18.

Weston, J. F., & Eugene F. B. (1979). Essentials of managerial finance (5th Ed.). Hinsdale: The Dryden Press.

Yin, R. K. (2003). Case study research, design and methods, (3rd ed.). Newbury Park: Sage Publications.

Zawaira, T. & Mutenheri, E. (2014). The association between working capital management and profitabilty of non-financial companies listed on Zimbabwe Stock Exchange International Journal of Research in Social Sciences, 3(8), pp. 114-120.