**A Comparison of Financial Performance of Banking Industry in Pakistan**

**ABSTRACT**

The basic idea of this study is to evaluate the financial performance of banking industry in Pakistan from 2009 to 2013. The reason for choosing this period is to evaluate the finance performance of banking industry after the end of military regime in Pakistan and revolutionary change in banking. For this purpose entire banking industry is divided into four sectors, public commercial banks, private commercial banks, specialized banks and foreign banks. The average growth and return on total assets, total fixed assets, total operational assets and total shareholders’ equity were used to assess the performance of each banking sector which indicates that how banks used their assets and equity to increase their performance. The study guide that banks having more total assets , total fixed assets, total operational assets and total equity have better financial performance or not, It does not mean that banking sector having large fixed asset, operational assets and large equity have better financial performance than others.

**Key** **wards:** Assets, Equity, Returns, Growth, Performance, Assessment

**INTRODUCION**

In Pakistan banking companies are registered and operate under the banking companies’ ordinance 1962. The State Bank of Pakistan has overall responsibility to monitor the entire banking system in Pakistan to perform the role of central bank in Pakistan. All the banks are legally bound to follow the instructions and guidelines issue by the state bank of Pakistan. Banks in Pakistan have implemented the minatory policy introduce by the SBP to control the inflation and deflation in the country. The SBP also implemented a policy for the developments and promotions of banking industry in the country. These policies have included denationalization and privatization of banks, interest rate deregulation, and development of a system of self-disciplined bank management.

State Bank of Pakistan categorized all the banks on the base of registration, ownership, function and nationality. Currently the SBP specified the banks in four sectors, Public Commercial Banks, Private Commercial Banks, Specialized Banks and Foreign Banks which include both specialized and commercial banks. Central Bank deals issues relates to all the banks.

Banking industries contribute in the economy development of a country by providing a major source of financial intermediation and their checkable deposit liabilities represent the bulk of the nation’s money stock. Banks basically perform the function of borrowing and lending on a define markup to make the return. Banking industry in Pakistan grow rapidly in the last decade and number of foreign banks also carried business in Pakistan in different sectors to earn the profit. Local banks expand their business and foreign banks also enter in market to avail the opportunity of the under developing financial market. Specialized banks expand their operations to provide the finance for the development and progress in some growing sectors. This development in banking sectors opens the doors of competition in financial market and resource mobilization.

All the banks in Pakistan increase their services and now offer the variety of product to the customers such as Cash Credit, Bank Overdraft facility, ATM Card facility, Running finance facility, fixed deposit facility, Profit and loss saving account facility, funds transferring facility, Car loans facility and housing finance agricultural loan facility, industrial development loan etc.

It is important to evaluate the overall performance and monitor their financial position for depositors, owners, potential investors, managers and, of course, regulators. Researchers used number of criteria and model to evaluate the performance of banks such as profitability, liquidity, assets quality, return on equity, debt stability, attribute towards risk and management strategies. The development of banking industry in Pakistan and entrance of public, private and foreign banks in local market not only increase the total number but also make it more important to evaluate the performance of banks on the basis of ownership, operation and nationality.

In this paper efficiency of bank is measure on the basis of assets management and equity investment returns by using the financial ratios. The research try to determine that banks have higher total assets, large fixed assets and large equity earn higher return and large growth or not. For this purpose overall banks are divided in four categories on the define line of State Bank of Pakistan. This division includes Private commercial Banks, Public Commercial banks, Specialized Banks and Foreign Banks.

**STUDY OBJECTIVES**

The basis objective of this study is to evaluate the performance of entire banking industry by employing the financial ratio after the military regime by using the data from 2009 to 2013 a period of five years. Given this, the study focused on the following sub objective.

1. Evaluate that how the banks are using total assets and operational assets for growth and returns.
2. The growth in shareholder equity and rate of return earn by each sector of bank on the equity.
3. The overall growth in fixed assets and equity in entire banking industry during the last five years.

**LITERATURE REVIEW**

The financial performance of private and state banks was measured during and post war period from the 2007 to 2012 in Sri Lanka. The financial ratio and descriptive statistics were used to measure the performance of banks. The study found that private banks had high financial performance as compared to the state banks during and post war period. The state banks try to improve the financial performance to survive in market and private banks try to achieve the target financial performance for long term survival (Velnampy.T and Anojan.V, 2014).

The financial performance was measure to analysis the rapid economic growth in the banking sector in Pakistan for the period of 2007 to 2011. The top five commercial banks were selected on the basis of their network of branches and operation in Pakistan. The return on operating fixed assets, return on total assets and return on equity were used to compare the performance of top five commercial banks. The result shown the banks have more total assets, total equity and total operating fixed assets have better financial performance or not. It does not means that the banks having higher total assets, higher total operating fixed assets and higher equity have better performance (Faisal Abbas, M.Tahir, 2014).

Financial ratios based on the CAMEL model were used to analysis the ownership structures and financial performance of banks in Napel for the period 2005-10. The public sectors banks are less efficient as compare the domestic private banks and domestic private banks are equal efficient to the foreign banks. The capital adequacy ratio, interest expenses to total loan and interest margin ratio significant effected the return on assets, while the return on equity effect the capital adequacy ratio(Suvita Jha and Xiaofeng Hui,2012).

Banks play a major role in the economics development of a country. Financial ratios used to measure the financial performance of banks. Efficiency ratios and liquidity ratio, leverage ratio and financial measures were used to analysis the financial performance of investment banks in Pakistan during the period of 2006-09. The result concluded that performance of banks on the based of efficiency ratio is differ than on the base of liquidity ratio, leverage ratio and financial measures (Ali Raza, Muhammad Farhan, 2011).

Financial ratios were employed to measure the profitability, liquidity and credit quality performance of five largest South Afrian based commercial banks for the period of 2005 to 2009. The research found that overall banking performance of bank increase considerably in the first two years of analysis. The significant change were noticed during the financial crisis started in 2007 and reached its peak 2008-2009 which result in decreasing the profitability, liquidity and worse the credit quality in South Afrian commercial banks (Mabwe Kumbirai and Robert Webb,2010). the overall literature give the idea of measuring the financial performance of banks by using the different financial ratios and highlight the different events that effect the financial performance of banks all over the world including the Pakistan.

**DATA COLLECTION**

The sample include in this study consist of entire banking sectors for a period of five years from 2009 to 2013 after the revived of the democratic government in Pakistan. The data was execrated from the official website of the state bank of Pakistan; publish the financial statement analysis of financial sectors during the period of 2009 to 2013. In addition data was collected from publish financial reports and concerning banks official website. The data was collect from the annual report about the total assets, total fixed assets, total operational assets and total equity. The sample consist the entire banking sectors which include the Public Commercial Banks, Private Commercial Banks, Specialized Banks and Foreign Banks. The detail of banking industry operate in Pakistan is as under.

**TABLE: 1 TOTAL BANKS INCLUDE IN SAMPLE**

|  |  |
| --- | --- |
| **S.NO** | **Name of Banks** |
| **1** | **Public Sector Banks** |
|  | 1. FIRST WOMEN BANK LTD 2. NATIONAL BANK OF PAKISTAN 3. SINDH BANK LTD 4. THE BANK OF KHYBER 5. THE BANK OF PUNJAB |
| **2** | **Private Sector Banks** |
|  | 1. ALBARAKA BANK (PAKISTAN) LTD 2. ALLIED BANK LTD 3. ASKARI BANK LTD 4. BANK AL-HABIB LTD 5. BANK ALFALAH LTD 6. BANKISLAMI PAKISTAN LTD 7. BURJ BANK LTD 8. DUBAI ISLAMIC BANK PAKISTAN LTD 9. FAYSAL BANK LTD 10. HABIB BANK LTD 11. HABIB METROPOLITAN BANK LTD 12. JS BANK LTD 13. KASB BANK LTD 14. MCB BANK LTD 15. MEEZAN BANK LTD 16. NIB BANK LTD 17. SAMBA BANK LTD 18. SILKBANK LIMITED 19. SONERI BANK LTD 20. STANDARD CHARTERED BANK (PAKISTAN) LTD 21. SUMMIT BANK LTD 22. UNITED BANK LTD |
| **3** | **Specialized Banks** |
|  | 1. INDUSTRIAL DEVELOPMENT BANK LTD 2. SME BANK LTD 3. THE PUNJAB PROVINCIAL COOPERATIVE BANK LT 4. ZARAI TARAQIATI BANK LTD |
| **4** | **Foreign Banks** |
|  | 1. BARCLAYS BANK PLC 2. CITI BANK N. A 3. DEUTSCHE BANK AG 4. HSBC BANK MIDDLE EAST LTD 5. HSBC BANK OMAN S.A.O.G 6. INDUSTRIAL AND COMMERCIAL BANK OF CHINA LTD 7. THE BANK OF TOKYO-MITSUBISHI UFJ, LTD |

**METHODOLOGY**

This study is based on the comparison of banking sectors within the sectors by categorized the banks on the basis of operation, ownership and nationality. For this purpose banking industry is categorized in Private commercial banks, public commercial banks, specialized banks and foreign banks. The financial ratios were used to analysis and compare the performance of each category during the sample period from 2009 to 2013. The growth in total assets, total fixed assets, total operational assets and total equity for each category was calculated by taking the base year from 2009 to relative change since 2013. The return on total assets and return on fixed assets was calculated by dividing the net profit after tax by the total assets and total fixed assets. The return on operational assets was calculated by dividing the operational income to the operational assets. The total shareholder equity is the sum of total share capital, reserves and un appropriated profit. The return on equity was derived by dividing the net profit after tax by the total equity.

**HYPOTHESIS**

**H1**- The bank category having large total assets, large fixed assets, large operational assets and large equity has higher growth rate and higher return.

**H0**- The bank category having large total assets, large fixed assets, large operational assets and large equity has lower growth rate and lower return.

**RESULTS AND DISCUSSION**

**TABLE 2:** **TOTAL ASSETS OF BANKS AND THEIR GROWTH (Values in millions)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Growth** | **Average** |
| **Public Banks** | **1,181,231,019** | **1,330,647,704** | **1,567,189,175** | **1,845,434,812** | **1,928,356,202** | **63.24970907** | **1,570,571,782** |
| **Private Banks** | **4,978,942,588** | **5,476,362,635** | **6,327,540,381** | **7,653,111,964** | **8,326,665,801** | **67.23763437** | **6,552,524,674** |
| **Specialized Banks** | **129,440,479** | **144,622,244** | **149,169,367** | **159,926,844** | **159,289,760** | **23.06023682** | **148,489,739** |
| **Foreign Banks** | **241,036,607** | **233,253,369** | **255,316,089** | **246,715,361** | **263,786,520** | **9.438364273** | **248,021,589** |
| **All banks overall** | **6,530,650,693** | **7,184,885,952** | **8,299,215,012** | **9,905,188,981** | **10,678,098,283** | **63.50741733** | **8,519,607,784** |

The growth of each category of bank was calculated by taking 2009 as a base year. The ranks are assigned to the banks on the basis of average total assets as under. The Private commercial banks are at number one to acquire the average total assets of Rs 6,552,524,674 Million. The number two are at public commercial band, number three are at foreign banks and in last specialized banks have total value of assets Rs. 148,489,739 million. The average total worth of all banking assets is Rs 8,519,607,784 million. All categories of banks have positive growth rate. The Alternative Hypothesis is true in case of private commercial banks, public commercial banks that the higher positive growth. Foreign banks have lower growth rate as compare to the specialized banks and other banks. So in case of foreign banks alternative hypothesis is false and null hypothesis is true.

**TABLE 3: RETURN ON TOTAL ASSETS (Values in millions)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Average** |
| **Public Banks** | **0.5648558** | **1.6812982** | **1.2698011** | **1.05224930** | **0.4581810** | **1.0052772** |
| **Private Banks** | **0.8155122** | **0.8462531** | **1.4160964** | **1.3012438** | **1.226372** | **1.121096** |
| **Specialized Banks** | **1.3379021** | **1.025066** | **1.6327206** | **1.43071353** | **1.7198544** | **1.429252** |
| **Foreign Banks** | **-0.3357904** | **0.4114457** | **1.4337749** | **-0.0702509** | **0.6085773** | **0.409552** |
| **All banks overall** | **0.7380359** | **0.9903877** | **1.3929080** | **1.2227832** | **1.079745** | **1.084772** |

All the banks categories earned the positive return during the sample period. The private commercial have highest positive return as compare to the other categories of banks. The number two are the public commercial banks, number three specialized banks and number four foreign banks. The overall banking industry earned 1.0845 returns on total assets. By testing the hypothesis private commercial banks have higher average total assets earned the higher return on the total assets. Similarly the public commercial banks have second largest average total assets earned the positive return as compared to the foreign banks and specialized banks. But the specialized banks have lower average total assets as compare to the foreign banks but earned the higher positive returns as compare the foreign banks. So alternative hypothesis is true in case of private and public commercial banks and null hypothesis is false. But null hypothesis is true in case of specialized banks and alternative hypothesis is false. The foreign banks earned the lower positive return as compare its total assets and other banks categories. So in this case null hypothesis is true and alternative hypothesis is false.

**TABLE 4: TOTAL FIXED ASSETS AND THEIR GROWTH (Values in millions)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Growth** | **Average** |
| **Public Banks** | 29,890,350 | 32,465,159 | 34,777,267 | 36,342,749 | 41,742,023 | 39.65049924 | 35,043,510 |
| **Private Banks** | 153,471,610 | 163,849,689 | 176,163,854 | 187,903,137 | 201,747,354 | 31.45581388 | 176,627,129 |
| **Specialized Banks** | 5,092,505 | 5,088,581 | 5,075,281 | 4,805,267 | 5,930,917 | 16.46364608 | 5,198,510 |
| **Foreign Banks** | 3,589,490 | 2,223,119 | 2,176,487 | 1,741,337 | 1,358,996 | (62.13958) | 2,217,886 |
| **All banks overall** | 192,043,955 | 203,626,548 | 218,192,889 | 230,792,490 | 250,779,290 | 30.58431857 | 219,087,034 |

The average total fixed assets of commercial banks are number one, public commercial banks are number two, specialized banks are number three and foreign banks are at number four. The overall banking industry has positive growth in fixed assets except of foreign banks. Public commercial banks have higher growth rate as compare the private commercial banks. The Null hypothesis is accepted and alternative hypothesis is rejected that banks have large fixed assets have higher growth rate. Foreign commercial banks have negative growth rate which also verify the acceptance of null hypothesis and rejection of alternative hypothesis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Average** |
| **Public Banks** | 11.6456047 | 97.311451 | 84.6153610 | 73.3155794 | 29.8520343 | 59.348006 |
| **Private Banks** | 41.4036824 | 47.417246 | 75.6095129 | 79.77100244 | 73.0903033 | 63.458349 |
| **Specialized Banks** | 61.4952366 | 48.410038 | 70.3803592 | 75.26110412 | 68.1178138 | 64.732910 |
| **Foreign Banks** | (23.696179) | 92.062008 | 257.314746 | 57.3865369 | 216.713809 | 119.95618 |
| **All banks overall** | 36.0880331 | 55.884344 | 78.7358222 | 78.49168012 | 66.5540361 | 63.150783 |

**TABLE 5: RETURN ON FIXED ASSETS (Values in millions)**

All the banks have positive return on the fixed assets. The overall banking industry earned the positive return on the fixed assets. The specialized banks earned the highest return as compare the other banks categories even though the specialized banks are at number three in average total fixed assets. The null hypothesis is accepted and alternative hypothesis is rejected. The private sector banks are at number two to earn the positive return on fixed asset even though private commercial banks are at number one to hold the average total fixed assets which lead the acceptance of null hypothesis and rejection of alternative hypothesis.

**TABLE: 6 TOTAL OPERATIONAL ASSETS AND THEIR GROWTH**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Growth** | **Average** |
| **Public Banks** | **1151791651** | **1304390492** | **1522566742** | **1795578919** | **1882224115** | **63.41706535** | **1531310384** |
| **Private Banks** | **4727879932** | **5280905821** | **6097560525** | **7411814126** | **8071763002** | **70.72690335** | **6317984681** |
| **Specialized Banks** | **134290608** | **145960029** | **152272319** | **159841508** | **158403358** | **17.95564884** | **150153564.4** |
| **Foreign Banks** | **230667506** | **224651136** | **247855920** | **239229884** | **254099028** | **10.15813731** | **239300694.8** |
| **All banks overall** | **6244629697** | **6955907478** | **8020255506** | **9606464437** | **10366489503** | **66.00647286** | **8238749324** |

According the table above, private sector commercial banks have largest operation fixed assets and also earned the highest growth rate as compare the other banking sectors. Public commercial banks have second largest operational fixed assets and also earned the second largest growth in the operation fixed assets. The growth in private commercial banks and public commercial banks lead the acceptance of alternative hypotheses and rejection of null hypothesis. The specialized banks perform well as compare to the commercial banks and having the greater growth rate as compare the foreign commercial bank. This growth in specialized banks rejects the alternative hypothesis and accepts the null hypothesis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Average** |
| **Public Banks** | **0.0030222** | **0.0242199** | **0.0193272** | **0.01483917** | **0.0066203** | **0.0136057** |
| **Private Banks** | **0.0134401** | **0.0147121** | **0.0218443** | **0.02022342** | **0.0182684** | **0.0176976** |
| **Specialized Banks** | **0.0233199** | **0.0168772** | **0.0234579** | **0.02262552** | **0.0255046** | **0.0223571** |
| **Foreign Banks** | **(0.003687)** | **0.0091104** | **0.0225955** | **0.00417713** | **0.0115905** | **0.0087572** |
| **All banks overall** | **0.0110984** | **0.0163595** | **0.0214203** | **0.01885739** | **0.0161004** | **0.0167672** |

**TABLE: 7 RETURN ON AVERAGE TOTAL ASSETS AND THEIR GROWTH**

By testing the hypothesis private commercial banks earned the highest return on the operational fixed assets as mention in above table having also the largest operation fixed assets which lead the acceptance of alternative hypotheis and rejection of null hypothesis. Public commercial banks are at number two to earned the second highest return on operation fixed assets that verify the rejection of null hypothesis. The specialized banks earned the highest return than the foreign banks which guide the acceptance of null hypothesis and rejection of alternative hypothesis.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Growth** | **Average** |
| **Public Banks** | **107,010,826** | **105,265,258** | **122,026,502** | **125,594,649** | **130,688,522** | **22.12644915** | **118,117,151** |
| **Private Banks** | **448,140,588** | **471,171,613** | **604,809,329** | **660,038,428** | **701,425,731** | **56.51912587** | **577,117,138** |
| **Specialized Banks** | **(8,401,902)** | **(2,357,651)** | **1,222,466** | **5,606,785** | **5,888,332** | **(170.0833216)** | **391,606** |
| **Foreign Banks** | **35,848,774** | **34,798,653** | **42,610,496** | **40,719,620** | **39,950,285** | **11.44114719** | **38,785,566** |
| **All banks overall** | **582,598,286** | **608,877,873** | **770,668,793** | **831,959,482** | **877,952,870** | **50.69609559** | **734,411,461** |

**TABLE 8: TOTAL SHAHREHOLDERS EQUITY AND THEIR GROWTH**

The average equity of overall banking sector is positive Rs. 734,411,461 million. The private commercial banks are at number one hold the average equity Rs. 577,117138 million. Public sectors banks are at number two, foreign banks are at number three and specialized banks are at number four. By testing the hypothesis private sector banks highest positive growth as compare the other banks. Public sector banks are at number two and foreign banks are at number three having positive growth to total equity. These growths in banking sectors lead the acceptance of alternative hypothesis and rejection of null hypothesis.

**Table 9: RETURN ON EQUITY (Values in millions)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Years/**  **Banks** | **2009** | **2010** | **2011** | **2012** | **2013** | **Average** |
| **Public Banks** | **6.235119** | **21.25313** | **16.30808** | **15.461307** | **6.760626** | **13.20365** |
| **Private Banks** | **9.060525** | **9.835885** | **14.81525** | **15.087856** | **14.55834** | **12.671574** |
| **Specialized Banks** | **(20.61185)** | **(62.8793)** | **199.2299** | **40.80939** | **46.52509** | **40.61468** |
| **Foreign Banks** | **(2.257756)** | **2.75789** | **8.590977** | **(0.4256425)** | **4.018356** | **2.536766** |
| **All banks overall** | **8.273033** | **11.68678** | **15.00001** | **14.558281** | **13.13239** | **12.53011** |

The return on specialized bank is higher as compare the other sector of banks but not having higher average equity. This rejects the alternative null hypothesis and accepts the null hypothesis. Public commercial banks also earned the higher equity return even though the average equity of public commercial banks is lower than the private commercial banks. This verifies the rejection of alternative hypothesis and acceptance of null hypothesis.

In all the above result foreign banks reject the alternative hypothesis and accept the null hypothesis. The basis reason that foreign banks are run their operations in some specified areas and very small branches of network over the country. Foreign banks are also required large amount of cash deposit for opening of banks accounts. So some target customers are only visit in foreign banks. All the government deposit also in the local public banks and government employees also required to open the accounts in local banks for the payment of salaries. So the confidence of small customers also not develops on the foreign banks. Foreign banks are newly established and also not providing the small operational facilities to local customers such as payments of utilities bill, students fee deposit facility, payment of demand draft for the enrolment in different institutions in the country.

**TABLE 9: RANKS OF BANKS ON THE BASE OF FINANCIAL PERFORMANCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Banks Indicators** | **Public Banks** | **Private banks** | **Specialized Banks** | **Foreign Banks** |
| **Average Total Assets** | **2** | **1** | **3** | **4** |
| **Return on Assets** | **4** | **2** | **1** | **3** |
| **Average Fixed Assets** | **2** | **1** | **3** | **4** |
| **Return on Fixed Assets** | **4** | **3** | **2** | **1** |
| **Average Total Operational Assets** | **2** | **1** | **4** | **3** |
| **Return on Average Operational Assets** | **3** | **2** | **1** | **4** |
| **Average Total Equity** | **2** | **1** | **4** | **3** |
| **Return on Equity** | **2** | **3** | **1** | **4** |

**CONCLUSION**

The basic idea of this study is to evaluate whether the banks are using their assets and equity according to their investment or not. The result of this research shows that the ranking of banks based on total average assets, total operating fixed assets, total average equity and returns on the respective variables. According to ranking, private sector banks are at number one, specialized banks are at number second, public sectors banks are at number three and foreign banks are at number four. The private sectors banks are top performer on the base of this research. Specialized banks earned the second position and public and foreign banks are the number four and fifth on the base of financial performance. These result are present the current market position and match with the entire banking industry in Pakistan. It also provide a guideline and insight scrutiny for the efficient utilization of banks assets in Pakistan. These result highlight the underutilize areas of business which can be improve to increase the returns of business. This research also streamlines the decision makers to focus those areas that can really contribute the financial performance of banks. The finding of present study can be used for further study for financial performance.

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