Impact of Capital Structure on the Performance of Textile Sector in Pakistan: Examining the Moderating Effect of Liquidity

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ABSTRACT

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Purpose: The basic aim of this study is to investigate how capital structure influences the performance of firms from textile sector listed at Pakistan Stock Exchange, taking liquidity of the firms as a moderator.

Methodology: Data of 30 listed textile firms is taken from their financial statements for a period of ten years from 2007 to 2016. Analysis has been conducted using the Ordinary Least Square (OLS) regression. Two measures of capital structure (debt ratio and debt-to-equity ratio) have been used to find out its impact on three performance measures (return on assets, return on equity, and earnings per share).

Findings: The variable, total debt ratio does not have any significant effect on all the three firm performance measures (return on asset, return on equity and earnings per share). Debt-to-equity ratio variable also does not have a significant impact on two firm performance measures (ROA and ROE). It however has a significant, negative impact on EPS. In case of liquidity as a moderator, it is found that liquidity acts as the significant moderator between the debt ratio and return on assets whereas liquidity factor is significant in case of relation between debt-to-equity variable and two performance variables return on assets and earnings per share.

Practical implications: Practically this study is important from managerial perspective as the appropriate decision for choosing a level of capital structure vis-à-vis total assets and total equity is essential for the better performance of the firms.

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1. Introduction
1.1 Background of the study
Capital structure refers to the modes of financing through which the firm finances its operations. A firm usually adopts a mix arrangement of debt & equity in its capital structure. According to Akeem et al. (2014), capital structure can be said as an association of debt & equity and its effect on the firm’s performance seems to be very critical issue. From the tax perspective, debt seems to be less expensive when compared with the equity on the grounds that it usually provides tax relief as tax is levied on the income after interest payment. On the other hand, when a company is unable to availing the tax relief then tax is deducted before the dividend payment is made. In order to decide how a company will receive finances is managed by both the managers of the organization and fund providers. If finances are arranged by utilizing the inaccurate sequence of debt & equity then it creates a negative impact on the performance and optimal working capacity of the firm. Therefore, for enhancing the value of firm, there lies a need that managers should decide capital structure carefully. Due to fluctuations in the use of leverage from one firm to another firm it becomes complicated task to take appropriate decision. When a firm involves too much equity financing in its financing mix then there is more possibility of change in the ownership of the firm. Javed et al. (2014) express that when a firm heavily depends on the equity financing, it may damage the growth opportunities & liquidity concerns of the company. It is also essential for company managers to sustain minimum cost of capital as when cost of the capital becomes high; a company fails to take up new investment projects.

The concept of capital structure was primarily studied by the Modigliani & Miller (1958) and they stated in their study that in case of perfect competition in capital market then, under such circumstances the capital-structure decisions did not put influence on the value of the firm. Rather, they indicated that the firm’s value could be determined exclusively by its fundamental earning power.

According to Shahzad et al. (2015), Pakistan is a developing economy where majority of the organizations rely on bank credits to finance their venture’s requirements. It is a fact that the textile industry is thought to be the backbone of the Pakistani economy due to which it requires a large number of capitals for their smooth operations. This sector contributes 8.5% to the GDP of Pakistan. The textile industry is not only the biggest industrial sector of the economy, it also has fundamental linkage with its agriculture sector being bread earner of more than half of its population. This sector is also the major contributor to the exports of the country and thus our external account is very much affected by its performance. The textile sector of Pakistan is selected because it demands for the attention of textile firm’s management & the policy makers to pursue such policies that will facilitate in choosing optimal capital structure for achieving optimal allocation of resources and which will augment the performance of the firms.

This study therefore looks into the impact of capital structure on performance of textile firms of Pakistan which are listed on Pakistan stock exchange for the period of ten years i.e. 2007 to 2016. In this study, total debt to total assets (TDTA) and total debt to total equity (TDTE) are taken as proxies for capital structure as independent variables whereas return on assets (ROA), return on equity (ROE) and earnings per share (EPS) are performance measures, adopted as dependent variables. Moreover, liquidity is used as the moderator in the relation between capital structure and financial performance of the sample firms.

2. Literature Review
2.1 Capital structure and Firm Performance
According to Besley & Brigham, (2007), capital structure is the mixture of debt (long term and short term debt), equity, and the net-worth that a firm can use as mode of permanent financing. Islam & Khandaker,(2015) argued that the firms from mining sector seemed to be more conscious for their profitability whereas firms from non-mining sector had not any significant connection with profitability. They gave a view that every firm has different nature in conducting its business operations, which vary from industry to industry and for this reason the decision of how the capital structure affects the performance of a firm, rely on the industrycategorization of the corporations. Kanwal et al., (2017) documented that short and long term debt adversely affects return-on-assets, return-on-equity & price-to-earnings ratio. Dependence of Pakistani firms on availing tax shield lowers down their performance because of high liquidation costs and in order to improve performance companies’ management tends to decrease their reliance on debt finance. Raghib et al., (2016) explored that a bank’s performance and its capital structure are positively and significantly related with each other. Basit & Hassan, (2017) studied capital structure taking debt-to-equity ratio of firms from different sectors of Pakistan and verified that performance proxies i.e. earnings per share (EPS), return-on-equity (ROE), and return-on-assets (ROA) were associated significantly to the debt-to-equity
ratio. Kazempour & Aghaei, (2015) carried out a research to observing the impact of debt level on the firm's Tobin's Q as a measure of performance. They argued that there occurred a significant and direct correlation between the capital structure and firm’s overall performance. Tan & Hamid, (2016) investigated the impact of capital structure (short and long-term debt ratio, total debt to total asset ratio & total debt to total equity ratio) on organizational performance (ROE, ROA, GMS, PE, and EPS) and reported that capital structure is significantly important for increasing the organizational performance in Malaysia. Rouf, (2015) found a significant negative effect of capital structure of a manufacturing firm on its performance measured by ROA and ROS proxies. In Pakistan, study of Siddik et al., (2017) exposed that all the elements of capital structure i.e. total debt to total assets(TDTA), long-term debt to total assets (LTDTA), and short term debt to total assets (STDTA) adversely influence the financial performance measured by ROA, ROE & EPS. Besides, it was also perceived that growth opportunities, size and inflation associated positively whether liquidity & GDP negatively associated with the bank’s performance in the evolving economy of Bangladesh. Mahmood et al., (2017) conducted their research on 15 listed textile firms of Pakistan and suggested that the negative connection existed between debt (short-tenure & long-tenure) and firm’s performance variables (ROE and ROA). Moreover, debt to equity ratio is positively associated with performance. Khodavandloo et al., (2017) worked out correlation between capital structure and performance of Malaysian firms during periods of financial crises and found that the firm’s performance indicators (ROE, ROA, GMS, PE & PE) had been negatively linked with its capital structure. Farooq & Jibran, (2017) argued that when small firms take more debts to finance its operations its profitability is affected badly, though for larger size organizations, this negative effect is found to be minimal. Shahid et al., (2016) found a negative linkage between profitability of textile firms & their capital structure in Pakistan. Pandey & Sahu (2017) interpreted that the capital structure influenced significantly and negatively the accounting performance (return on asset & return on net-worth) of Indian manufacturing firms. It means that if these firms resort to higher leverage, their performance may decrease. Likewise, Awais et al., (2016) also showed that short-term & long-term debts caused decline in firms’ financial performance, whereas total debt ratio significantly associated with the firm performance. Ramadan & Ramadan, (2015) observed that the capital structure of Jordanian firms had significant and also negative effect on return on assets (ROA), the only measure of firms’ performance used in this study. Le & Bich, (2017) clarified that all debt ratios have altogether negatively association with the company performance. Jayiddin et al., (2017) investigated capital structure’s influence on the performance of Malaysian public listed companies which operate in the construction sector, within the time frame of 2010 to 2014. They witnessed that short-term debt ratios had significantly & negatively affected firm performance but long-term debt ratios did not.

2.2 Liquidity and Firm performance

Shaba hang (2011) defined liquidity as the ability of assets to convert into the cash. Moreover, the more the frequency of asset conversion into cash in minimum times period, highly the liquid asset. Bibi & Amjad, (2017) measured company’s liquidity by utilizing cash-gap in days & current-ratio and after applying the correlation & regression analysis. Their study implied that there existed significantly negative influence of cash-gap on profitability i.e. return on asset whereas current ratio had significantly positive affiliation with the profitability. Research of Rehman et al., (2015) on the firms registered in Saudi Stock exchange explored that liquidity as the current ratio results in a beneficial outcome because it positively affects the firm’s productivity. Sheikhdon & Kavale, (2016) found that liquidity management elements positively influenced the financial performance of the commercial banks in Mogadishu Somalia. Kahyani et al., (2016) studied the affiliation between stock liquidity and the Tehran firm’s performance and depicted that the performance of the company significantly & directly influence its stock liquidity. Hakeem & Bambale, (2016) said that liquidity act as the good mediator amongst dividend payout & financial performance (return on asset, economic value added, return on equity & Tobin’s Q) of the Nigerian manufacturing companies. Banafa, (2016) anticipated that liquidity & firm’s size affects positively on the financial performance of non-financial organizations indexed at Nairobi securities exchange during 2009-2013. Odalo & Achoki, (2016) suggested that liquidity in the terms of liquidity-ratio influence positively & significantly on the financial performance (ROA and ROE) of agro-companies in Kenya. But liquidity ratio affects positively and insignificantly on the financial performance variable earnings per share. Saifdar et al., (2016) argued that the liquidity was positively interrelated with the profitability (return on assets, return on capital employed and return on equity) of Pakistani sugar companies. That’s why the managers of sugar firms would increase the firm’s profitability & value of its shareholder if they invest liquid assets efficiently & effectively. Edem, (2017) exerted that there lies significant and positive connection amongst liquidity management variables i.e. (liquidity & cash reserve ratios) and the performance variable ROE of Nigerian banks. The author said that low or high level of liquidity creates problems for the bank operations and to avoid such problems bank must implement optimal
liquidity level in its organization for attaining efficiency & effectiveness. Tuffour & Boateng, (2017) implied that the profitability performance of Ghana’s manufacturing firms was positively affected by the liquidity in the context of current ratio. It means that as more as the manufacturing firm has current assets to meet its current liabilities at the time of the need, the more it can able to earn high profit. Ahmad et al., (2015) detected that textile corporations ought to diminish such assets which can effortlessly releasable for the specific purpose to enhance its performance in terms of profitability. This means that when Textile Company keeps such assets in large quantity, it affects substantially & negatively their financial performance. Vintila & Nenu, (2016) identified the correlation between liquidity & Romanian company’s financial performance before & after the financial disaster i.e. from 2005 to 2014 and elaborated that decrease in the level of liquidity is not considered as the risk factor of Romanian firms. Hence there exists negative correlation between liquidity & company’s financial performance. Marozva, (2015) recognized that there lied negative significant correlation among marginal net interest, risk and liquidity. However, net interest margin seemed to be insignificantly related with the two determinants of liquidity. Yakubu et al., (2017) examined the connection amongst capital structure & the performance of Ghana’s commercial banks in the presence of control variables like liquidity and firm’s size and concluded that liquidity effects insignificantly & negatively on the bank’s performance.

Hence, by studying all the previous literatures regarding capital structure and firm performance, it can be said that many authors found positive effect of capital structure on firm’s performance (Basit & Hassan, 2017; Kazempour & Aghaei, 2015; Tan & Hamid, 2016). While, some studies found negative relationship of capital structure & firm’s performance (Ahmad et al., 2015; Khodavandloo et al., 2017; Rouf, 2015; Siddik et al., 2017). Also, some studies provide evidence of no correlation among capital structure & firm’s performance (Al-Taani, 2013; Chaudhuri et al., 2016; Chhapra & Asim, 2012).

On the other hand, some literature regarding liquidity and firm’s performance showed their positive impact on each other (Edem, 2017; Odalo & Achoki, 2016; Sheikhdon & Kavale, 2016; Tuffour & Boateng, 2017). Whereas, some authors observed negative relation among liquidity & firm’s performance (Ahmad et al., 2015; Njimanted et al., 2017; Vintila & Nenu, 2016).

2.3 Research Gap
After reviewing literature on the relationship between capital structure and firm’s performance it has been noted that studies like Muigai & Muriithi, (2017) and Salam et al., (2016) used firm size as a moderator to determine the performance of the firm but none of the study used liquidity as the moderator. In order to analyze the strength of relationship between capital structure and performance of textile firms in Pakistan, current study uses liquidity as a moderator. Previously, Mahmood et al., (2017) studied 15 textile firms of Faisalabad for the period of five years i.e. 2011-2015 but this study has analyzed 30 textile firms listed on the Pakistan stock exchange for the period of ten years i.e. 2007-2016.

3. Conceptual Framework
3.1 Conceptual Frame Work

![Conceptual Frame Work](image-url)
Note: Fig 3.1 shows Capital structure variables are taken as independent variables and firm performance variables as dependent variables. Liquidity is moderator variable of the current study.

3.2 Empirical Model
Based on the previous literature we use the following empirical models:

\[
ROA_{it} = \alpha_0 + \beta_1 TDTA_{it} + \beta_2 TDTE_{it} + \epsilon_{it}
\]

\[
ROA_{it} = \alpha_0 + \beta_1 TDTA_{it} \times LQDTY_{it} + \beta_2 TDTE_{it} \times LQDTY_{it} + \epsilon_{it}
\]

\[
ROA_{it} = \alpha_0 + \beta_1 TDTA_{it} + \beta_2 TDTE_{it} + \epsilon_{it}
\]

\[
ROE_{it} = \alpha_0 + \beta_1 TDTA_{it} \times LQDTY_{it} + \beta_2 TDTE_{it} \times LQDTY_{it} + \epsilon_{it}
\]

\[
EPS_{it} = \alpha_0 + \beta_1 TDTA_{it} + \beta_2 TDTE_{it} + \epsilon_{it}
\]

\[
EPS_{it} = \alpha_0 + \beta_1 TDTA_{it} \times LQDTY_{it} + \beta_2 TDTE_{it} \times LQDTY_{it} + \epsilon_{it}
\]

Where:
TDTA = Total Debt to assets
TDTE = Total Debt to equity
LQDTY = Liquidity
ROA = Return on Assets
ROE = Return on Equity
EPS = Earnings per share
\beta = Regression coefficient of independent variables
\alpha_0 = Constant
\epsilon_{it} = The error term

3.3 Hypothesis Development
\textbf{H1a}: total debt to total assets ratio has significant impact on return on assets (ROA).

\textbf{H1b}: total debt to total assets ratio has significant impact on return on equity (ROE).

\textbf{H1c}: total debt to total assets ratio has significant impact on earnings per share (EPS).

\textbf{H1d}: total debt to total equity ratio has significant impact on return on assets (ROA).

\textbf{H1e}: total debt to total equity ratio has significant impact on return on equity (ROE).

\textbf{H1f}: total debt to total equity ratio has significant impact on earnings per share (EPS).

\textbf{H2a}: liquidity acts as the moderator in the relationship between total debt to total assets (TDTA) ratio and return on assets (ROA).

\textbf{H2b}: liquidity acts as the moderator in the relationship between total debt total assets (TDTA) ratio and return on equity (ROE).
H2c: liquidity acts as the moderator in the relationship between total debt to total assets (TDTA) ratio and earnings per share (EPS).

H2d: liquidity acts as the moderator in the relationship between total debt to equity (TDTE) ratio and return on assets (ROA).

H2e: liquidity acts as the moderator in the relationship between total debt to total equity (TDTE) ratio and return on equity (ROE).

H2f: liquidity acts as the moderator in the relationship between total debt to total equity ratio (TDTE) and earnings per share (EPS).

4. Research Methodology

4.1 Data Collection Method
The data used in this study is secondary type taken from the audited financial statements of 30 textile firms that are listed in Pakistan stock exchange for a period of ten years (2007-2016). The data for all the variables was organized in the panels because Baltagi et al., (2005) suggested that the panel data is suitable for longitudinal analysis as it facilitates analysis of cross-sectional data and time series data both. Moreover, this data was analyzed by applying Unit root test, Hausman test, regression analysis, multi-collinearity test and descriptive statistics through the software E-views 7.0.

4.2 Measurement of the study Variables

4.2.1 Dependent variable
The dependent variable of the study is the firm’s performance. In order to measure firm’s performance, three proxy variables are used ROA (return on assets), ROE (return on equity) and EPS (earnings per share) which were previously used by (Khodavandloo et al., 2017; Siddik et al., 2017).

Return on asset (ROA) = Net profit (before taxes) / Total assets

Return on equity (ROE) = Net profit (before taxes) / Equity

Earnings per share (EPS) = Net income/number of outstanding shares

4.2.2 Independent Variables
Capital structure variables i.e. TDTA (total debt to total assets) and TDTE (total debt to total equity) are taken as the independent variables which were used previously by (Raghib et al., 2016; Salteh et al., 2012).

Total debt to assets (TDTA) = Total debt/Total asset

Total debt to equity (TDTE) = Total debt/shareholder’s equity

4.2.3 Moderating variable
This study uses Liquidity as a moderator which is measured by using the following formula i.e. Liquidity (LQDTY) = Current asset / Current liabilities. Such measure has been used recently by Siddik et al., 2017.

5. Results and Discussions

5.1 Descriptive statistics
### Table 1: Results of Descriptive statistics

|            | ROA   | ROE    | EPS   | TDTA  | TDTE  | LQDTY |
|------------|-------|--------|-------|-------|-------|-------|
| **Mean**   | -3.223 | -1.935 | 1.735 | -3.188 | 0.742 | -2.075 |
| **Maximum**| 2.612  | 2.987  | 6.742 | 1.308  | 5.694 | 1.719  |
| **Minimum**| -11.467| -7.436 | -3.219| -7.857 | -1.336| -7.067 |
| **Std. Dev.**| 1.840  | 1.395  | 1.728 | 1.341  | 0.969 | 1.413  |
| **Skewness**| -0.931 | -0.214 | -0.113 | -0.497 | 0.821 | -0.077 |
| **Kurtosis**| 8.214  | 5.144  | 3.436 | 4.553  | 5.962 | 3.599  |
| **Probability**| 0.000  | 0.000  | 0.221 | 0.000  | 0.000 | 0.092  |
| **Observations**| 300    | 300    | 300   | 300    | 300   | 300    |

Source: E-views 7

Descriptive statistics make use of both numerical & graphical techniques for interpreting the data set patterns. It summarizes the information about a data set and represents this information in an easy and understanding way. This study depicts descriptive statistics of thirty textile companies in table 1 for all variables that are used in this study.

### 5.2 Correlation Matrix

#### Table 2: Correlation Coefficient Matrix

|          | ROA  | ROE   | EPS   | TDTA   | TDTE  | TDTA*LQDTY | TDTE*LQDTY |
|----------|------|-------|-------|--------|-------|------------|------------|
| **ROA**  | 1    | 0.024 | -0.030| 0.008  | -0.041| 0.193      | -0.116     |
| **ROE**  | 0.024| 1     | 0.174 | 0.039  | 0.145 | 0.093      | -0.089     |
| **EPS**  | -0.030| 0.174 | 1     | -0.070 | -0.260| 0.148      | -0.083     |
| **TDTA** | 0.008| 0.039 | -0.070| 1      | 0.058 | 0.064      | -0.565     |
| **TDTE** | -0.041| 0.145 | -0.260| 0.058  | 1     | -0.153     | 0.097      |
| **LQDTY**| 0.193| 0.093 | 0.148 | 0.064  | -0.153| 1          | -0.790     |
| **TDTA*LQDTY**| -0.116| -0.089| -0.083| -0.565| 0.097 | -0.790    | 1          |
| **TDTE*LQDTY**| 0.130| -0.030| 0.181 | -0.007| -0.761| 0.509      | -0.412     |

Source: E-views 7

Table 2 shows the matrix of correlation coefficients for all the dependent, independent & moderating variables. As per Wooldridge (2015), multi-collinearity occurs when the coefficient of correlation is higher than 0.7. Therefore, results of the above table indicate that there lies no high level of correlation among all the variables which signifies that multi-collinearity is not serious issue in the estimations of this study.

### 5.3 Test of Non-Stationarity

We perform non-stationarity test before running the ordinary least square regression. According to Muigai & Muriithi, (2017) panel unit root test should be applied on all the variables for determining whether the panel data was stationary or not. Augmented Dickey-Fuller (ADF) test has also been conducted in this study in order to assess the existence of non-stationarity on all the variables including ROA, ROE, EPS, TDTA, TDTE and Liquidity. ADF
is the form of unit root test that mostly use for the larger & more complex set of time series models (Zubairi, 2010).

Table 3: ADF unit root test

| Variables   | ADF (at level) | ADF (1st difference) | Probability |
|-------------|----------------|----------------------|-------------|
| D(ROA)      |                | 123.752              | 0.0000      |
| D(TDTA)     |                | 105.102              | 0.0003      |
| D(Liquidity)|                | 97.9604              | 0.0014      |
| ROE         | 98.7185        | -                    | 0.0012      |
| EPS         | 85.1520        | -                    | 0.0181      |
| TDTE        | 81.9762        | -                    | 0.0313      |

Hence, as per the results of unit root test variables like Earnings per share (EPS), total debt to equity (TDTE) and return on equity (ROE) becomes significant at level which means that no stationarity exists. Whereas, variables i.e. return on assets (ROA), liquidity (LQDTY) and total debt to assets (TDTA) is significant at 1st difference. So, these variables are transformed on 1st difference. After log transformation of these variables conducted in order to handle the normality issues of panel data, this transformed variable are used in further analysis.

5.4 Hausman Test

Table 4: Results of Hausman Test (ROA as Dependent Variable)

| Variable   | Coefficient | Std. Error | t-Statistic | P-value |
|------------|-------------|------------|-------------|---------|
| C          | -3.103154   | 0.294256   | -10.54577   | 0.0000  |
| TDTA       | 0.018483    | 0.080463   | 0.229712    | 0.8185  |
| TDTE       | -0.082167   | 0.113424   | -0.724426   | 0.4694  |
| TDTA*LQDTY | -0.025450   | 0.019823   | -1.283824   | 0.2002  |
| TDTE*LQDTY | 0.073738    | 0.047695   | 1.546033    | 0.1232  |

In order to decide that which panel effects (between fixed and random) provide better results, we carried out Hausman test for the specified panel regression model. Therefore, results of the Hausman test are as follows.

Table 4 shows that ‘p’ value for all independent variables i.e. TDTA, TDTE and the moderator variables i.e. TDTA*LQDTY and TDTE*LQDTY came to be insignificant that is greater than 0.05 which means null hypothesis is not rejected, which means that random effect model is appropriate. We can say that random effects model is suitable for conducting panel regression between dependent, independent and its moderating variables.

Table 5: Results of Hausman Test (ROE as Dependent Variable)

| Variable   | Coefficient | Std. Error | t-Statistic | P-value |
|------------|-------------|------------|-------------|---------|
| C          | -1.951      | 0.209      | -9.318      | 0.000   |
| TDTA       | 0.057       | 0.057      | 0.991       | 0.323   |
| TDTE       | 0.266       | 0.081      | 3.293       | 0.001   |
| TDTA*LQDTY | -0.027      | 0.014      | -1.900      | 0.058   |
| TDTE*LQDTY | -0.065      | 0.035      | -1.880      | 0.061   |

Source: Calculated by using E-views
Table 5 shows that ‘p’ value for independent variable TDTA and the moderator variables i.e. TDTA*LQDTY and TDTE*LQDTY came to be insignificant that is greater than 0.05 which means null hypothesis is not rejected her as well. Hence, random effects model is appropriate for conducting panel regression.

**Table 6: Results of Hausman Test (EPS as Dependent Variable)**

| Variable       | Coefficient | Std. Error | t-Statistic | P-value |
|----------------|-------------|------------|-------------|---------|
| C              | 1.897       | 0.256      | 7.426       | 0.000   |
| TDTA           | -0.043      | 0.069      | -0.615      | 0.539   |
| TDTE           | -0.404      | 0.099      | -4.098      | 0.0001  |
| TDTA*LQDTY     | -0.002      | 0.018      | -0.080      | 0.936   |
| TDTE*LQDTY     | 0.098       | 0.043      | 2.307       | 0.022   |

Source: Calculated by using E-views

Table 6 shows that ‘p’ value for independent variable i.e. TDTA and its moderating variable i.e. TDTA*LQDTY came to be insignificant that is greater than 0.05 which means null hypothesis is not rejected and random effects model is appropriate.

### 5.5 Ordinary Least square Regression

In order to measure the impact of capital structure on firm performance this study used ordinary panel least-squares regression method for the analysis of panel data through E-views 7 software.

**Table 7: Results of OLS Regression**

| Hypotheses                                                   | Coefficient | t-statistics | Prob. | Results |
|--------------------------------------------------------------|-------------|--------------|-------|---------|
| H1a: TDTA ratio has significant impact on ROA.               | 0.011       | 0.141        | 0.888 | Reject  |
| H1b: TDTA ratio has significant impact on ROE.               | 0.058       | 0.998        | 0.319 | Reject  |
| H1c: TDTA ratio has significant impact on EPS.               | -0.069      | -0.962       | 0.337 | Reject  |
| H1d: TDTE ratio has significant impact on ROA.               | -0.079      | -0.722       | 0.471 | Reject  |
| H1e: TDTE ratio has significant impact on ROE.               | 0.270       | 3.352        | 0.001 | Accept  |
| H1f: TDTE has significant impact on EPS.                     | -0.407      | -4.142       | 0.000 | Accept t|
| H2a: Liquidity acts as the moderator in the relationship between TDTA and ROA. | -0.036 | -2.015 | 0.045 | Accept |
| H2b: Liquidity acts as the moderator in the relationship between TDTA and ROE. | -0.018 | -1.340 | 0.181 | Reject |
| H2c: Liquidity acts as the moderator in the relationship between TDTA ratio and EPS. | -0.019 | -1.195 | 0.233 | Reject |
| H2d: Liquidity acts as the | 0.096 | 2.257 | 0.025 | Accept |
6. Conclusion And Recommendations

This study empirically examined the impact of capital structure’s choice on the performance of textile firms that are operating in the Pakistan moderated by liquidity. By conducting the Ordinary least square (OLS) regression, it is concluded that capital structure variables (TDTA and TDTE) have insignificant effect on return on assets (ROA), which is consistent with the Akeem et al., (2014); Nassar, (2016) and FRED, (2015). Capital structure variable TDTA has insignificant effect on ROE & EPS, which is compatible with the studies of Tan & Hamid (2016) as well as of Hassan et al., (2014). Capital structure variable TDTE has significant effect on return on equity (ROE) which is compatible with the results of Tan & Hamid (2016) and Basit & Hassan (2017). Whereas, capital structure variable TDTE has significant negative effect on earnings per share (EPS) which is in accordance with the study of Tan & Hamid, (2016).

A few previous literature on liquidity showed that as an independent variable, it had a significant and positive effect on the firm performance’s measures ROA, ROE & EPS (Banafa, 2016; Edem, 2017; Kahyani et al., 2016; Odalo & Achoki, 2016). Some studies depicted negative relationship of liquidity and firm’s performance (Ahmad et al., 2015; Njimanted et al., 2017; Vintila & Nenu, 2016). Hakeem & Bambale, (2016) used liquidity as the mediator and depicted that it acted as a mediator amongst dividend payout & financial performance of registered manufacturing companies of Nigeria. In this study, the liquidity is taken as the moderator and it is found that liquidity does not act as a moderator between capital structure variable total debt to total assets (TDTA) ratio and firm’s performance variables, return on equity (ROE) & earnings per share (EPS), while liquidity acts as a moderator between the capital structure variable total debt to assets (TDTA) ratio & firm performance variables return on assets (ROA). Moreover, liquidity acts as a moderator between the capital structure variable total debt to equity (TDTE) ratio and firm’s performance variables return on assets (ROA) & earnings per share (EPS), whereas liquidity does not act as the moderator between capital structure variable total debt to equity (TDTE) and return on equity (ROE).

This study used only textile sector of Pakistan whereas future researchers may use other sectors of economy and a larger data set with different time period in order to get further insights.

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