

CAPITAL STRUCTURE AND ORGANIZATIONAL PERFORMANCE: EVIDENCE FROM NIGERIAN FOOD AND BEVERAGE COMPANIES

Abstract

Capital structure decisions have been the most significant decisions to be taken by any business organization for the maximization of shareholders' wealth and sustained growth. This study seeks to investigate the impact of capital structure on the performance of organizational performance with particular reference to Nigerian Food and Beverage Companies. Secondary data was used for this study. It was adopted from the audited financial statements of the listed food and beverages companies in the Nigerian Stock Exchange (NSE), for the period of the year 2014 – 2018. The method of analysis used was Pearson Moment Correlation Coefficient and Linear Regressions. The results reveal that firm leverage, tangible of assets and liquidity have an inverse relationship with the financial performance of the Nigerian food and beverage industry, while, growth and firm's size have a positive relationship with the financial performance of Nigerian food and beverages industry. The study, therefore, recommends that Nigerian Food and Beverage should, therefore, strike a balance between their choice of capital structure and the effect on its performance as it affects the shareholder's risks, returns and the cost of capital..

Keywords: Capital Structure, ROA, Food and Beverage, Liquidity, Asset, Leverage

Introduction

The significant contributions of manufacturing industry to the economic growth and development in advance and emerging economies have been documented in the literature and recognized by scholars and economists globally. Manufacturing industry has been tagged as a pillar and an engine room of nation's health economy, for instance, they account for a substantial proportion of total economic activities. In Nigeria, the subsector is responsible for about 10% of total GDP annually. In terms of employment generation, manufacturing activities account for about 12 per cent of the labour force in the formal sector of the nation's economy. However, the sector has been experiencing credit crunch since the global financial crisis of 2008 which made the world stock markets fallen and large financial institutions collapsed. The supply of credit has dropped dramatically, while increased risk and an increased cost of capital pressure firms in finding the right balance between debt and equity. This menace scenario has been affecting corporate firms' performance in developing

35 countries especially Nigeria. The basis for the determination of optimal capital structure of
36 corporate sectors in Nigeria is the widening and deepening of various financial markets. In
37 line with this view, Ibikunle [1] argues that over thirty six manufacturing companies have
38 moribund, while the surviving ones' earnings per share are currently zero, and per earnings
39 ratios are also at zero level. Most of firms in Nigeria are unable to finance their activities and
40 grow over time; this has affected them negatively to play an increasing and predominant role
41 in creating value added, as well as income in terms of profits [2, 3, 4]. This scenario has
42 made most of manufacturing companies witnessed several cases of collapses.

43 Capital structure has been acknowledged by researchers, scholars, and economists as a driver
44 of a firm's survival and growth, as it plays a primary role in its financial performance in order
45 to achieve its long-term goals and objectives. Capital structure not only influences the return
46 a company earns for its shareholders, but also whether the firm survives less fortunate
47 economic shocks. The survival of an organization in a globally competitive environment
48 depends on how it is financed. This is because if a wrong mix of finance is employed, the
49 performance and survival of the business enterprise may be seriously affected. According to
50 Osuji and Odita [5], capital structure is the means by which an organization is financed.
51 Capital structure is about putting in place the structure, processes, and mechanisms that
52 ensure that the firm is being directed and managed in a way that enhances long term
53 shareholder value through accountability of managers and enhancing organizational
54 performance [6]. Evidence from theoretical and empirical studies demonstrates that capital
55 structure has an influence on organization performance. However, studies have not reached a
56 consensus on how and to which extent the capital structure of firms' impacts on their value,
57 performance and governance.

58 It is on this note that this study intends to investigate the impact of capital structure on
59 organizational performance with special reference to Nigerian food and beverage companies.

60 **Specific Objectives**

- 61 i. To identify the most important determinants of the capital structure of food and beverage
62 industry in Nigeria.
- 63 ii. To determine relationship between capital structure determinants and the performance of
64 food and beverage industry in Nigeria.

65 **Research Questions**

66 The researcher wants to explore the current study with reference to the following research
67 questions:

- 68 i. What are the most important determinants of capital structure in food and beverage industry
69 in Nigeria?
- 70 ii. What extent the impact of capital structure determinants on the performance of
71 Nigerian food and beverage industry.

72 **Theoretical Framework**

73 A Plethora of theories have tried to explain the behaviour of capital structure and its effect on
74 the economic growth of any country for the purpose of this study, the theories that are
75 considered relevant for this study include capital structure theory and trade-off theory.

76 **Capital Structure Theory**

77 Capital structure theory was developed by Modigliani and Miller's theory in (1985). The idea
78 behind the theory is that under a certain market price process, in the absence of taxes,
79 bankruptcy costs, agency costs, and asymmetries information and in an efficient market, the
80 value of a firm is unaffected by how that firm is financed. The theorem states that, in a
81 perfect market, how a firm is financed is irrelevant to its value. Modigliani and Miller (M.M)
82 argue that, in the absence of taxes, a firm's market value and the cost of capital remain
83 invariant to the capital structure changes. Modigliani and Miller made two findings under
84 these conditions. Their first 'proposition' was that the value of a company is independent of

85 its capital structure. Their second 'proposition' stated that the cost of equity for a leveraged
86 firm is equal to the cost of equity for an unleveraged firm, plus an added premium for
87 financial risk. That is, as leverage increases, the risk is shifted between different investor
88 classes, while the total firm risk is constant, and hence no extra value created.

89 **Trade-Off Theory of Capital Structure**

90 Modigliani and Miller's theory was generally viewed as a purely theoretical result since it
91 disregards many important factors in the capital structure process factors like fluctuations and
92 uncertain situations that may occur in the course of financing a firm. In 1999, the trade-off
93 theory was developed by Shyam Sunder with the idea that a company can choose how much
94 debt finance and how much equity finance to use by balancing the costs and benefits. The
95 trade-off theory states that capital structure is based on a trade-off between tax savings and
96 distress costs of debt. Firms with safe, tangible assets and plenty of taxable income to shield
97 should have high target debt ratios. The theory is capable of explaining why capital structures
98 differ between industries, whereas it cannot explain why profitable companies within the
99 industry have lower debt ratios (trade-off theory predicts the opposite as profitable firms have
100 a larger scope for tax shields and therefore subsequently should have higher debt levels)

101 **Empirical Review and Hypotheses Formulation**

102 Firm s performance is significantly affected by various factors and capital structure is
103 one of the significant factors among them [7]. Previous studies have been done to explore if
104 there is any relation between firms' performance and capital structure and these studies
105 produced mixed results. For example, the study Mwangi, Makau and Kosimbe [8],
106 investigate the relationship between capital structure and performance of non-financial
107 companies listed in the Nairobi Securities Exchange (NSE), Kenya. The study employed an
108 explanatory non- experimental research design. A census of 42 non-financial companies
109 listed in the Nairobi Securities Exchange, Kenya was taken. The study used secondary panel

110 data contained in the annual reports and financial statements of listed non-financial
111 companies. The data were extracted from the Nairobi Securities Exchange hand books for the
112 period 2006-2012. The study applied panel data models (random effects). Feasible
113 Generalised Least Square (FGLS) regression results revealed that financial leverage had a
114 statistically significant negative association with performance as measured by return on assets
115 (ROA) and return on equity (ROE). In another study, Patrick, Joseph and Kemi [9] also
116 investigate the impact of capital structure on firm's performance in Nigeria using fixed effect
117 regression estimation model. The results reveal that there is positive relationship between
118 return on investment and leverage of the firm. In the same vein, Akinyomi [10] examines the
119 impact of capital structure on firm's performance. The results indicates that each of debt to
120 capital, debt to common equity, short term debt to total debt and the age of the firms' is
121 significantly and positively related to return on asset and return on equity but long term debt
122 to capital is significantly and relatively there is significant relationship between capital
123 structure and financial performance using both return on asset and return on equity.

124 Aburub [11] also investigates the impact of capital structure on the firm performance
125 of companies listed in Palestine Stock Exchange from 2006 to 2010. The results indicate that
126 the capital structure has a positive effect on firm performance evaluation measures.
127 Similarly, Olokoyo [12] examines the relationship between capital structure and corporate
128 performance of Nigeria quoted firms. The study employed panel data approach by using fixed
129 effect estimation, random-effect estimation and pooled regression model and it was
130 discovered that maturity structure of debts effect on the performance of firms significantly
131 and the size of the firm has a significant positive effect on the performance of firms in
132 Nigeria. San and Heng [13] also examine the relationship between capital Structure and
133 Corporate Performance of Malaysian Construction Sector from 2005 to 2008. 49 companies
134 were selected as samples for their study. Results show that there is a significant relationship

135 between capital structure and corporate performance. In the same vein, Semiu and Collins
136 [14], using a sample size of 150 respondents and 90 firms were selected for both primary data
137 and secondary data respectively for a period of five years (2005-2009) from the relevance,
138 pecking order, the free cash flow, the agency cost and the trade-off theory point of view.
139 They employed the descriptive statistics and Chi-square analysis and suggested that a
140 positively significant relationship exists between a firm's choice of capital structure and its
141 market value in Nigeria.

142 However, the study of Lawal, Edwin, Monica and Adisa [4] who examine the effect
143 of capital structure on firm's performance with a case study of manufacturing companies in
144 Nigeria from 2003 to 2012 with the purpose of providing a critical appraisal of the need and
145 importance of capital structure. Descriptive and regression research technique was employed
146 to consider the impact of some key variables such as Returns on asset (ROA), Returns on
147 equity(ROE), Total debt to total asset(TD), Total debt to equity ratio(DE) on firm
148 performance. Secondary data was employed using data derived from ten (10) manufacturing
149 companies. The results show that capital structure measures (total debt and debt to equity
150 ratio) are negatively related to firm performance.

151 Chechet and Olayiwola [15] also examine capital structure and profitability of the
152 Nigerian listed firms from the Agency Cost Theory perspective with a sample of seventy (70)
153 out of population of two hundred and forty-five firms listed on the Nigerian change (NSE) for
154 a period of ten (10) years: 2000 - 2009 with the aid of the NSE Fact Book covering the period
155 under review. Panel data for the firms are generated and analyzed using fixed-effects,
156 random-effects and Hausman Chi Square estimations. Two independent variables which
157 served as surrogate for capital structure were used in the study: debt ratio, debt ratio and
158 equity ratio while profitability as the only dependent variable. The results show that debt ratio
159 is negatively related with profitability.

160 Ogebe, Ogebe and Alewi [2] also investigate the impact of capital structure on firm
161 performance in Nigeria from 2000 to 2010. The study makes a comparative analysis of the
162 selected firms which are classified into highly and lowly geared firms setting a leverage
163 threshold of above 10% as being highly geared. A static panel analysis was used to achieve
164 the objectives of the study. Using fixed effect regression estimation model, a relationship was
165 established between performance (proxied by return on investment) and leverage of the firms
166 over a period of ten years. The results provide strong evidence in support of the traditional
167 theory of capital structure which asserts that leverage is a significant determinant of firms'
168 performance. A significant negative relationship is established between leverage and
169 performance.

170 Abdul [16] also using 36 engineering sector firms in Pakistani market listed on the
171 Karachi Stock Exchange (KSE) during the period 2003-2009 applied Pooled Ordinary Least
172 Square regression and revealed the results show that financial leverage measured by short
173 term debt to total assets (STDTA) and total debt to total assets (TDTA) has a significantly
174 negative relationship with the firm performance measured by Return on Assets (ROA), Gross
175 Profit Margin (GM) and Tobin's Q. The relationship between financial leverage and firm
176 performance measured by the return on equity (ROE) is negative but insignificant.

177 Akinlo [17] also examines the determinants of the capital structure of 66 firms listed
178 on the Nigerian stock exchange during the period of 1997 to 2007 using panel data. The
179 results show that there is a negative relationship between leverage and growth opportunities
180 and legibility but negatively related to liquidity as well as size. In the same vein, Oke and
181 Afolabi [18], using a study of five quoted firms within a period of nine years (1999-2007)
182 from the static trade-off and agency cost theory point of view. They employed the panel data
183 regression model and revealed in their study a positive relationship between firms'
184 performance and equity financing as well as between firms' performance and debt-equity

185 ratio. There is also a negative relationship that exists between firms performance and debt
186 financing due to the high cost of borrowing in the country.

187 Onaolapo and Kajola [19] also investigate the effect of capital structure on financial
188 performance of companies listed on Nigeria Stock Exchange. This study was performed on
189 30 nonfinancial companies in 15 industry sectors in a 7-year period from 2001 to 2007. The
190 results showed that the capital structure (debt ratio) has a significant negative effect on
191 financial measures (ROA and ROE) of these companies.

192 Puwanenthiren [20] also carries out an investigation on capital structure and financial
193 performance of some selected companies in Colombo Stock Exchange between 2005-2009.
194 Capital structure was surrogated by debt while performance was proxy by gross profit, net
195 profit, return on investment / capital employed and returns on assets. The results shown the
196 relationship between the capital structure and financial performance is negative.

197 Base on the above empirical studies; it is therefore hypothesized that:

198 H₀₁: Firm's Leverage has a negative impact on the performance of food and beverage
199 companies.

200 H₀₂: Growth has a negative impact on the performance of food and beverage companies.

201 H₀₃: Firm's size has a negative impact on the performance of food and beverage companies.

202 H₀₄: Tangibility has a negative relationship with the performance of food and beverage
203 companies.

204 H₀₅: Liquidity has a positive relationship with the performance of food and beverage
205 companies.

206

207 **Methodology**

208 **Population :**

209 The population of this study consist of all the companies listed on the Nigerian Stock
210 Exchange (NSE). The companies listed are classified into twelve industrial sectors, and each
211 sector comprises of homogenous companies.

212 **Sample size and sampling Technique:**

213 The sample size of the study was selected based on Nigerian Stock Exchange classification of
214 the listed companies into industrial stratum of homogeneous companies of same or similar
215 characteristics, which the food and beverage industry forms a strata. This sector comprises of
216 sixteen (16) listed companies, (Big treat Plc, 7-up Bottling Company Plc, Dangote Flour
217 Mills, Cadbury Nigeria Plc, Dangote Sugar Refinery Plc, Ferdinand Oil Mills Plc, Flour Mills
218 Nigeria Plc, Foremost Dairies Plc, National Salt Co. Nigeria Plc, Nestle Foods Nigeria Plc,
219 Nigerian Bottling Company Plc, Northern Nigeria Flour Mills Plc, P S Mandrides & Co. Plc,
220 Tate Industries Plc., Union Dicon Salt Plc. UTC Nigeria Plc.), selected for the study for over
221 a period of five years (2014-2018).

222 **Method of Data Collection**

223 Secondary data was used for this study. It was adopted from the audited financial statements
224 of the listed food and beverages companies in the Nigerian Stock Exchange (NSE), for the
225 period of year 2014 – 2018. This study also made use of Nigerian Stock Exchange Fact Book
226 2018 for the company's ownership structure and CBN bulletin 2018. Most of the yearly
227 reports that were inaccessible in the NSE fact book were obtained from the corporate offices
228 of concerned food and beverages companies and were also downloaded from their corporate
229 websites.

230 **Method of Data Analysis**

231 Panel data was used since it incorporates time series and cross sectional data. The method of
232 analysis used were Pearson Moment Correlation Coefficient and Linear Regressions.

233 Specifically, Pearson Moment Correlation Coefficient (PPMCC) was adopted to establish the
234 relationship that exist between capital structure dimensions (firm leverage, growth, firm's
235 size, tangibility of fixed assets, and liquidity), and organisational performance measured by
236 Return on Asset. The study employed Linear Regression to assess to what extent capital
237 structure dimensions independently influenced organization's financial performance
238 measured by return on asset.

239 **Validity of Instrument**

240 Validity is to check whether the measuring instrument measures what it intends to measure.
241 The validity of the study will be in terms of the content. Content validity implies the degree
242 to which the test measures what it was designed to measure. The instruments used for the
243 study are among the instruments adjudged by experts in the field as suitable.

244 **Reliability of Instrument**

245 Reliability of instrument has to do with the consistency or reproducibility, the degree to
246 which the instrument consistently measures what it intends. The study made use of secondary
247 data; published audited annual financial statements of the firms. The process of preparing the
248 audited financial statement had followed the stringent accounting standard both national and
249 international. The financial statements are published documents, which were examined and
250 verified to ensure its objectivity, comparability; consistency, availability, and approved by the
251 Corporate Affairs Commission and Nigeria Stock Exchange before publishing. This ensures
252 the consistency of the data over time as the information therein could not be altered, thus the
253 assurance of the reliability of the data.

254 **Explanation of variables and Model Specification:** The economic models employed in the
255 study are regression models, to examine the relationship between capital structure and
256 financial performance of firms in Nigerian food and beverage industry. The independent

257 variable of the research is represented by capital structure, measured by firm leverage,
258 growth, firm's size, tangibility of fixed assets, and liquidity.

259 **ROA** = It is measured as net profit after tax divided by total asset.

260 **Tangible assets:** It is measured by dividing the total fixed assets to total assets D

261 **Firm's leverage:** - It is measured by dividing the total liabilities to the of total assets

262 **Liquidity:** - It is measured by the ratio of current assets to current liabilities.

263 **Asset Growth:** It is measured by $\frac{(\text{Assets of current year} - \text{Assets of previous year})}{\text{Assets of previous year}}$

264 **Age** = number of years of the firm from the date of its incorporation.

266 **Size** = Natural logarithm of total assets.

267

268 **Model Specification**

269 Financial performance is function of capital structure, [Financial Performance = f (capital
270 structure)] while the financial performance is measured by ROA.

271 **Model**

272 Return on Asset = f (Firm leverage, Growth, Firm's size, Tangibility of fixed assets, and
273 Liquidity).

274

275 Model 1

276 $ROA = \beta_0 - \beta_1 LEV_{it} + \beta_2 GR_{it} + \beta_3 SIZE_{it} + \beta_5 TANG_{it} + \beta_6 LQ_{it} + \epsilon_{it}$.

277 Where;

278 β_0 = intercept

279 $\beta_1 - \beta_5$ = Regression coefficient of the independent variables (ownership structure), where:

280 β_1 – co-efficient of Firm leverage

281 β_2 -co-efficient of Growth

282 β_3 -co-efficient of Firm's size

283 β_4 - co-efficient of Tangibility of fixed assets

284 β_5 - co-efficient of Liquidity

285 μ_i = Stochastic error term

286

287 **Presentation of Data Analysis**

288

Table 1 Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
ROA	16	.009	.078	.05956	.16970
Firm Leverage	16	.040	.500	.12580	.10896
Tangible of Asset	16	.002	.031	.01178	.07238
Liquidity	16	10.200	6.742	2.831	1.7815
Growth	16	.520	.780	.67880	.07898
Size	16	18	26	16.4719	1.6720

289

290 As presented in Table 1, the average value of the financial performance ratios measured by
291 ROA of food and beverage companies is 5.9 percent (0.05956), this implies food and
292 beverage companies on average earned a net income of 5.9 percent of total asset with a
293 maximum and minimum value of 0.078 and 0.009. The standard deviation is 16.9 percent
294 from the average value. On the other hand, the average value of the food and beverage
295 companies leverage is 12.58 percent (mean=0.12580) which measured by total debt over total
296 asset this reflects that companies operate with significant level of leverage and the maximum
297 and minimum value of 0.50 and 0.40 percent respectively.

298 The growth opportunities of the food and beverage companies on average 67.88
299 percent (mean= 0.67880) as measured by annual change of total asset. The maximum value
300 of annual change of total asset among the food and beverage companies is 0.788 maximum
301 and the minimum value is 0.520 with standard deviation value of 0.7898. The table 1 above
302 shows that the average size of the food and beverage companies 165 percent (mean =

303 16.4719) which implies control variable measured by natural log of total asset which
 304 indicates very important for a company to be large in order to have superior performance. A
 305 maximum and a minimum value of size is 26 and 18 respectively. The standard deviation
 306 indicates that for the sample of Ethiopian insurance companies 1.672 suggests that there is
 307 moderate dispersion in the mean value of food and beverage companies. The amount of mean
 308 and standard deviation of tangibility of asset of food and beverage companies the value of
 309 0.11780 and 0.7238 respectively.

310 The mean value of liquidity is 2.831 which indicate the amount of cash generated
 311 from current assets is 2.831 with maximum and minimum value 10.200 and 6.7423773
 312 respectively. It deviates by 1.7815 from the mean value of the food and beverage companies.

313 **Table 2: Relationship between capital structure determinants and Return on Asset**

Variable	1	2	3	4	5	6
1. Return on Assets	1.000					
2. Firm Leverage	-0.349	1.000				
3. Tangible of Asset	-0.638*	-0,128	1.000			
4. Liquidity	-0.423	-0.197	-0.634**	1.000		
5. Growth	0.388	0.201	-0.129	0.025	1.000	
6. Size	0.537	0.511	0.730	0.548	0.414	1.000

314 **Source: Researcher's Data Analysis, 2019**

315 ROA was negatively correlated with leverage, tangibility of asset and liquidity for the
 316 coefficient estimates of correlation -0.349, -0.638 and -0.423 respectively While grow
 317 opportunities and size having positive correlation with the firm's performance (ROA) of
 318 Food and beverage companies for the coefficient, 0.388 and 0.537 respectively. As we can
 319 see from the table 4.2, when leverage, tangibility of asset and liquidity are increases, the
 320 performance of Food and beverage companies decreases while increase in growth
 321 opportunities and size were the performance of the Food and beverage companies also
 322 increase.

323 **Table 3: Testing Firm Leverage relationship with performance of Nigerian food and**
 324 **beverage industry measured by Return on Assets**

Model	R	R ²	Adjusted R ²		Std error of the estimate	
1	.078 ^a	.006	-.065		1.06984	
Explanatory variable	B	Std error	t – value	p - value	Remarks	
Constant	2.159	.665	3.244*	.006		
Firm Leverage	-.011	-.038	-.293	.774	Ns	

325 Ns= not significant, S= Significant; **= significant at 5% level

326 **Source: Researcher’s Data Analysis, 2017**

327 Table 3 shows $R^2 = 0.006$, which indicates that 0.06% change in organization financial
 328 performance (return on assets) is explained by the firm leverage. p- value (0.774) is greater
 329 than significant level (0.05) and this indicates that firm leverage has inverse relationship with
 330 financial performance of Food and beverage companies. The regression coefficient (-0.011)
 331 indicates that a unit increase in firm leverage will bring about (-0.011) decrease in
 332 organizational performance which is measured by return on assets. Therefore, null hypothesis
 333 which states that Firm's Leverage has a negative impact on the performance of food and
 334 beverage companies is accepted, while the alternative hypothesis is rejected.

335 **Table 4: Testing influence of Tangible of assets on financial performance of Nigerian**
 336 **food and beverage industry measured by Return on Assets**

Model	R	R ²	Adjusted R ²	Std error of the estimate	
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2	.595 ^a	.354	.308	.86220		
Explanatory variable	B	Std error	t- value	p- value	Remarks	
Constant	3.321	.415	8.001	.000		
Tangible of assets	-.026	.009	- 2.773*	.015	S	

337 **S= Significant; *= significant at 5% level**

338 **Source: Researcher's Data Analysis, 2018**

339 Table 4 exhibits $R^2 = 0.354$ which indicates that 35.4% change (variation) in financial
340 performance (return on assets) is explained by tangible assets. p-value (0.015) is less than
341 significant level (0.05) and this indicates that tangible of assets has a negative influence on
342 organizational performance. The regression coefficient (-0.026) indicates that a unit
343 increase in tangible of assets will result to (-0.026) decreases in organizational performance
344 which is measured by return on assets. Therefore, null hypothesis which states that tangibility
345 has a negative relationship with the performance of food and beverage companies is accepted,
346 while alternative hypothesis is rejected.

347 **Table 5: Testing influence of Liquidity on financial performance of Nigerian food and**
348 **beverage companies measured by Return on Assets**

Model	R	R²	Adjusted R²		Std error of the estimate	
3	.516 ^a	.267	.214		.91894	
Explanatory variable	B	Std error	t- value	p- value	Remarks	

Constant	1.716	.359	4.785	.000	
Liquidity	-.024	-.011	-2.256*	.041	S

349 **S= Significant; *= significant at 5% level**

350 **Source: Researcher's Data Analysis, 2018**

351 Table 5 reveals that 26.7% variation in organizational performance (return on assets) is
 352 explained by foreign ownership based on R-square (0.267). p-value (0.041) is less than
 353 significant level (0.05) and this indicates that liquidity has a significant inverse on
 354 organizational performance. The regression coefficient (-0.024) indicates that a unit increase
 355 in liquidity will result to (0.024) decreases in organizational performance which is measured
 356 by return on assets. Therefore, null hypothesis which states that liquidity has a negative
 357 relationship with the performance of food and beverage companies is accepted, while the
 358 alternative hypothesis is rejected.

359 **Table 6: Testing of impact of growth on organizational performance of Nigerian food**
 360 **and beverage companies measured by Return on Assets**

Model	R	R²	Adjusted R²		Std error of the estimate	
4	.322 ^a	.104	.040		1.01582	
Explanatory variable	B	Std error	t- value	p- value	Remarks	
Constant	2.139	.298	7.180	.000	S	
Growth	.059	.046	1.274	.003		

361 **Ns= Not significant, S= Significant; *= significant at 5% level**

362 **Source: Researcher's Data Analysis, 2019**

363 Table 6 displays $R^2 = 0.104$ which indicates 10.4% change in organizational performance
 364 (return on assets) is explained by growth. p-value (0.003) is less than significant level (0.05)

365 and this shows that growth has a positive and significant impact on organizational
 366 performance. The regression coefficient (0.059) indicates that a unit increase in liquidity will
 367 result to (0.059) increases in organizational performance which is measured by return on
 368 assets. Therefore, hull hypothesis which states that growth has a negative impact on the
 369 performance of food and beverage companies is rejected, while the alternative hypothesis is
 370 rejected.

371 **Table 7: Testing influence of Firm's size on performance of Nigerian food and beverage**
 372 **companies measured by Return on Assets**

Model	R	R ²	Adjusted R ²		Std error of the estimate	
5	.59	.33	.68		1.07124	
Explanatory variable	B	Std error	t- value	p- value	Remarks	
Constant	2.292	.339	6.764	.000		
Firm's size	.030	.120	2.21	.008	S	

373 **Ns = Not significant, S= Significant; *= significant at 5% level**

374

375

376

377 **Conclusion**

378 Capital structure has been a much debated topic in the finance field since the Modigliani &
 379 Miller proposition in 1958. Capital structure theories, such as the pecking order and the trade-
 380 off theory emerged into the finance field and many have tried to analyze the implications of
 381 these theories for firms in the market. Capital structure decision have been the most
 382 significant decisions to be taken any business organization for maximization of shareholders
 383 wealth and sustained growth. Based on the findings of the study, it can be concluded that
 384 firm leverage, tangible of assets and liquidity have inverse relationship with financial

385 performance of Nigerian food and beverages industry, while, growth and firm's size have
386 positive relationship with financial performance of Nigerian food and beverages industry.

387 Deduction to be made from this finding is that effective capital structure is an antidote
388 for distressed syndrome facing Nigerian food and beverages industry.

389 **Recommendations**

390 Arising from the findings of this study the following recommendations are made:

- 391 1. The Nigerian Food and Beverage should reduce their risk by increasing and
392 diversified its operation.
- 393 2. The Nigerian Food and Beverage should therefore strike a balance between their
394 choice of capital structure and the effect on its performance as it affect the
395 shareholders risks, returns and the cost of capital.
- 396 3. The Nigerian Food and Beverage should pursue policies that would encourage
397 growing firms accumulate huge tangible assets.

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