

THE IMPACT OF THE AUDIT QUALITY ON THAT OF THE ACCOUNTING PROFITS: THE CASE OF COMPANIES LISTED ON THE TSE

Tarak SMII

Searcher in Accounting FSEG University of Sfax Tunisia

ABSTRACT

The purpose of this article is to examine the impact of the audit quality on that of the accounting profits. We chose the accrual quality, the accounting conservatism and the profit relevance as a measure of the quality of the accounting profits. The empirical study, which was carried out in this article on a sample of Tunisian firms listed on the TSE for the period (2005-2009), confirms the significant impact of the audit quality on that of the accounting profits. The study results also show that the variables: size of the audit firm, sector-based specialization of the audit firm, the co-commissioner and the size of the audit committee, improve the quality of the accounting profits.

KEY WORDS

Profit relevance, accounting conservatism, result management, audit quality

INTRODUCTION

The financial crises that have been observed for a decade along with the recent financial scandals (Enron) have created a revolution in the design and evaluation of the audit quality. In fact, they reinforced the need for its improvement. In this context, several studies focus on the quality of the financial statements and specifically that of the accounting profits considered as "priority information» (Dechow 1994, Dechow, Kathari et Watts 1998, Ball et Brown 1968).

In this conceptual framework, most of these studies use accounting accruals as a measure of the quality of the accounting profits. (Francis Hall and Wang 2008; Piot 2004, Francis Hall and Wang, 2007; Becker et al 2007). Others use the accounting relevance as a measure of accounting profits (Ball and Brown 1968; Barth, Beaver and Landsman 2001; Francis Lefond, shipper and Olsson 2004). Besides, further researches use accounting conservatism as a measure of the quality of the accounting profits in a way that it systematically affects the profits (Basu 1997, Watts 2008, Olsson 1995; Givoly and Hany 2000 Penman and Zang 2001).

Regarding this perception, the aim of our study is to check if the quality of the external audit is a constraint for the quality of the disclosed accounting profits. Our objective is to investigate to what extent the quality of the accounting profits depends on that of the external audit. As a consequence, we propose the profits relevance, the accounting conservatism and the accruals quality as a measure of the quality of the accounting profits.

1. THEORETICAL FRAMEWORK ON THE IMPACT OF THE AUDIT QUALITY ON THAT OF THE ACCOUNTING EARNINGS:

In accordance with the agency theory, the leader is supposed to follow an opportunistic behavior to maximize his utility function. To cope with such opportunistic behavior, the shareholders use a third party (external auditor) to monitor the managers and check the quality of the disclosed information. Within the framework of theoretical reflection, the role of the external audit, as a means of controlling and reducing the agency costs, is twofold: it helps, on the one hand, reduce the information asymmetry and, on the other hand, strengthen the mechanisms of corporate governance.

The concept of asymmetric information and the unequal information distribution between the shareholders and the managers is the basis of the signal theory. To deal with these problems, the external auditor has always played a fundamental role in the process of solving the problems of the information asymmetry since his intervention can discipline the opportunistic behavior of the managers, particularly in terms of accounting information manipulation (Becker et al 1998, Francis et al 1999). The role of the external audit is therefore twofold; the external auditors are not only a means of controlling the decisions of the business leaders concerning the choice of their accounting policies, but also a means of ensuring the reliability of the disclosed financial information.

2. PERCEPTION OF THE AUDIT QUALITY:

Most of the studies agree that the assessment of the audit quality is based on two basic concepts: the auditor's competence and independence (De Angelo 1981 Lemon and Taffler 1992), Lemon and Taffler (1992). However, recent financial scandals and the collapse of one of the audit giants, "Arthur Anderson's firm" showed the incapacity of these concepts to understand the audit quality on their own. It should, therefore, be necessary to rethink the current valuation rules and propose new measures that take into account the complexity of the audit work (Carcello et al 1992, Brown et al 2005). In this perspective, other criteria appeared to be reliable indicators of the audit quality. Accounting literature highlighted several measures of the audit quality, such as:

- The sector-based specialization:

By auditing several firms in the same auditing sector, the auditors require a good experience and then become experts in the processes and procedures related to this sector. In this sense, several studies predict that the audit firms specialized in a particular sector have considerable experience and significant investment in the technology adopted in this activity sector. They are the most competent in this sector and are likely to offer a relatively high quality of services (DeFond et al, 2000; Krishnan and Yang 2003; O'Keefe et al 2003)

- The size of the audit firm: It is generally accepted that the Big 4 produce better audits since they have greater financial resources than others and better human skills. In this sense, De Angelo (1981) considers that the size of the audit firm is an implicit guarantee of the quality of the performed tasks (Becker et al 1998, Hammersley 2006, Piot 2004).

- The reputation of the audit firm: the reputation of the audit firm is usually the most commonly used indicator empirically to assess the audit quality. However, several studies show that the long-term audit relationship may impair the auditors' independence or inversely improve the auditors' conditions of the work exercise and therefore the quality of the performed audit. (Myers et al 1999; Carcello and Nagy 2004; Mansi et al 2004, Jackson et al 2008).

- The audit committee: the implementation of the audit committee in a company is one of the controlling mechanisms that ensure the relevance and consistency of the accounting policies adopted for the preparation of the financial statements. In this context, the presence of an audit committee within the firm is likely to improve the transparency of the information disclosure and limit the degree of the managers' involvement in the process of the result management (DeFond and Jiambalvo 1991, Dechow, Sloan and Sweeny 1996)

- The audit fees: the fees received by the auditor were considered by literature as a means to measure the quality of service provided by the auditor. Frankel et al (2002) show that high fees help reduce the audit management result. Indeed, high audit fees may also reflect an increased audit effect and therefore a better audit quality.

3. CONCEPTUAL FRAMEWORK

3.1 sector-based specialization and the quality of accounting profits

Several studies show that the auditors who specialize in a well definite industry benefit from specific knowledge. They have the ability to make a good quality service, achieve cost savings on their audit and provide a better audit quality (Defond et al 2000; Piot 2004; Hammersley 2006).

Thus, Balsam Krithman and Yang (2003) anticipate a positive and significant relationship between the sector-based specialization of the audit firms and the quality of the accounting profits. Gul et al (2000) find that sector-based specialization of the audit firms reduces the discretionary accruals and improves the quality of the accounting figures of the firms. In this regard, Carcello and Nagy (2004) expect a negative relationship between the auditors' specialization and the reporting of fraudulent financial statements.

Hypothesis 1: the quality of the accounting profits is positively associated with the sector-based specialization of the audit firms.

3.2 The size of the audit committee and the quality of the accounting profits

Piot C. and R. Janin (2004) find that the French firms having an audit committee have lower discretionary accruals than others. The establishment of an audit committee within a company can limit the power of the leaders and subsequently reduce the results management.

Several other researches admit that the presence of an audit committee within the firm limits the results management. The researches of Defond and Jiambalvo (1994) and Dechow et al (1995) seem to confirm this hypothesis. Moreover, other studies consider that the audit committee can contribute to the improvement of the quality of the financial statements preparation process (Spira 1999 De Angelo 1981 Carcello et al 2004).

Hypothesis 2: The quality of the accounting profits is positively associated with the size of the audit committee.

3.3 The size of the audit firm and the quality of accounting profits

The size of the audit firm is the most important criterion used in the empirical literature to assess the quality of the external audit. It is generally accepted that the Big 4 produce better quality audits. Chalmers and Godfray (2004) show that the Big 4 help, on the one hand, reduce the problem of the information asymmetry between the managers and the shareholders, and on the other hand, improve the quality of the accounting income of their customers.

Several studies find a positive and significant relationship between the Big auditors and the quality of the accounting profits. These studies suggest that the large audit firms may conduct a checking of a higher quality. This hypothesis is also backed by: Francis and Yu 2009; De Angelo 1981, Chalmers and Godfrey 2004 Palmarosa 1988) and Defond Jiambalvo 1994 Krishnan 2002.

Hypothesis 3: the quality of the accounting profits is positively associated with the auditors' belonging to an international network (BIG 4).

3.4. The reputation of the audit firm and the quality of the accounting profits

Several studies consider that a long audit relationship improves the conditions of the auditors' work performance and subsequently the quality of the carried out audit. Furthermore, some authors show that a long audit relationship improves the conditions of the audit work performance. In this case, the duration of the audit relationship can have a positive impact on the quality of the accounting profits of the audited firms. (Libby and Frederick 1990; Mayers et al 2003; Carcello and Nagy 2004, Jackson et al 2008, Chen, Lin and Lin, 2007; Mayangsari 2006).

However, other studies consider a long relationship audit could corrupt the auditors' independence, and thus the existence of a negative relationship between the duration of the audit relationship and audit quality (shockly 1981: Mayer et al 2007 ;). The most recent work Hamilton et al 2005, Reynolds and Francis JK JR 2004) confirm the negative association between the duration of the audit relationship and the abnormal component of the result.

Hypothesis 4: the quality of the accounting profits is positively associated with the duration of the audit relationship.

3.5. The expertise of the audit committee's member and the quality of the accounting profits

To handle the financial statement preparation process, and in order to carry out their missions, the committee members must hold a degree in finance and (or) in accounting or other qualifications in related fields (Lee et 1997 Stone, Abbott, Parker and Peters 2002). Therefore, several studies find that firms having audit committee members with financial expertise have relevant accounting profits (Anderson, Deli and Gillan 2003, Bryan et al 2004).

Empirically, the results broadly support that the presence of an expert in accounting or finance within the audit committee can improve the performance of the company (Abbott et al 2000; Bedard et al 2004). Similarly, Bryan et al (2004) and Rich (2009) argue that an audit committee with financial expertise can increase the relevance of the profits.

Hypothesis 5: the quality of the accounting profits is positively associated with the expertise of the audit committee's member.

3.6. The existence of majority shareholders and the quality of the accounting profits

Several studies show that the agency costs in firms, where the capital is concentrated in the hands of a small number of shareholders, result in conflicts of interest between the majority and minority shareholders (Shleifer and Vishny 1997).

Indeed, the majority shareholders typically have a degree of influence and control over the company. They can later force the managers to work for their benefit by opposing their decisions which contradict the objective of maximizing the shareholders' wealth.

This can be reflected in an increase of the audit request. Similarly, Jeanjean (2000) and Rajgopal, and Venhatachalam Jiambalvo (1999) have argued that the existence of such shareholders provides a control mechanism that can prevent the results management. However, Bryan et al. (2004), show that the existence of such shareholders negatively affects the relevance of financial information. These studies make us decide on the following hypothesis:

Hypothesis 6: the quality of the accounting profits is positively associated with the presence of majority shareholders.

3.7. Concentration of the audit firms and the quality of the accounting profits

To strengthen the independence of statutory auditors and improve the services provided by the auditors, some companies require the existence of two audit firms. On the institutional level, however, this differs from the Anglo-Saxon environments by the obligation to have the consolidated financial statements certified by at least two separate auditors.

The existence of two audit firms enables the audited entity to promote the audit quality both in terms of independence and of competence.

Like the researches carried out on the control of the audit profession, Piot (2004) deducted the positive effect of co-statutory auditor on the audit independence, on the safeguard of the interests of financial investors, and subsequently on the quality of the achieved results.

Hypothesis 7: the quality of the accounting profits is positively associated with the concentration of the audit firms.

Empirical analysis of the impact of the audit quality on that of the accounting profits Sample

The study sample which consists of 20 companies listed on the Tunis Stock Exchange (TSE) belongs to the non-financial sector. This study covers the period from 2005 to 2009.

The study Model:

To test our research hypotheses, we use the following model:

$$EQ_{ki} = \beta_0 + \beta_1 BIG_{ij} + \beta_2 SPEC_{ij} + \beta_3 REPU_{ij} + \beta_4 COMM_{ij} + \beta_5 EXPER_{ij} + \beta_6 ACTI_{ij} + \beta_7 CONC_{ij} + \beta_8 ANAL_{ij} + \beta_9 TAILL_{ij} + \beta_{10} END_{ij} + \varepsilon_i$$

With:

EQ_{ki} : the relevance of the accounting profits

EQ_{ci} : The I of the accounting conservatism

EQ_{si} : The discretionary accruals to measure results management

previous studies dealt with the relevance through the association between the accounting profits and the stock returns.

The response coefficient of the generated profit of this regression is the measurement of the profits relevance.

To estimate the profits relevance, Francis (1999) and Schipper (1999) and Bushman, Chen, Engel and Smith (2003) use the following model:

$$\text{Returns (j, t)} = \delta(0, j) + \delta(1, j) \text{ Profit (j, t)} + \delta(2, j) \Delta \text{ Profit (j, t)}$$

With :

Returns (j, t) : equity returns for company j for year t.

Profits (j, t) : Profits for company j for financial year t, divided by the market value or the share price at the beginning of financial year t.

Francis and Shipper (1999), LaFond, Olsson and Schipper (2004) measure the benefits relevance on the basis of the adjusted R^2 arising from the regression model per company already mentioned. Therefore, Relevance = Adjusted R^2 .

=>The results management.

Schipper (1989) defines the results management as "a deliberate intervention in the presentation of the financial information in order to obtain personal gain." Therefore, the quality of disclosed information depends on whether there is a phenomenon of results management or not.

Thus, many studies referred to the practices of earnings management in order to assess the quality of the accounting profits (Frankel et al 2002; Francis, Lafond, Olsson and Shipper 2005). The literature review identifies two perspectives included in the approach of the earnings management to measure the quality of the accounting profits: the prospective of the total accruals and that of the discretionary ones

Regarding our research, we suggest estimating the quality of the accounting earnings on the basis of the discretionary ones as proposed in the modified model of Jones (Dechow et al 1995). Consequently, the model is as follows:

$$\frac{TA_t}{A_{t-1}} = \alpha_1 \left(\frac{1}{A_{t-1}} \right) + \alpha_2 \left(\frac{\Delta REV_t - \Delta REC_t}{A_{t-1}} \right) + \alpha_3 \left(\frac{IMMO_t}{A_{t-1}} \right) + \varepsilon_t$$

Several models aim at assessing the discretionary component of the accruals and start with the basic accounting equation by taking total accruals (TA) the sum of discretionary accruals (DA) and the non-discretionary ones (AND) = AD AND ACT.

Therefore, to do so, we must first calculate, for each firm i and year t, the total accruals according to the direct approach which is as follows:

$$ACT = RN - FTE$$

With :

ACCT :the total accruals.

RN : the net book profit.

FTE : The net operating cash flow

The discretionary accruals, which are obtained by the difference between the total accruals for each firm and the normal accruals, will then be estimated using the modified Jones model, therefore we obtain:

$$ACD_t = \varepsilon_{it} = \frac{ACT_t}{A_{t-1}} - \left[\alpha_1 \left(\frac{1}{A_{t-1}} \right) + \alpha_2 \left(\frac{\Delta REV_t - \Delta CC_t}{A_{t-1}} \right) + \alpha_3 \left(\frac{IMMO_t}{A_{t-1}} \right) \right]$$

With

ACD : discretionary accruals

ACT :total accruals.

A : total assets

ΔREV : income variation

ΔCCL : accounts receivable

IMMOB : Gross assets excluding financial assets

Regression residual corresponding to the discretionary accruals

⊗ Explanatory Variables: measurement of the audit quality

→ Size of the audit firm "Big4": the dummy variable that takes value 1 if the firm is audited by the "Big4" and 0 otherwise. (Francis et Yu, 2009 ; De Angelo, 1981 ; Frankis, Hall et Wang 2006 ; Chalmers et Godfrey ,2004)

→ Auditor's reputation "REPU": the dummy variable that takes value 1 if the period is three years and 0 if it is shorter. (Myers et al 2003; Carcello and Nagy, 2004; Mansi et al, 2004).

→ Size of the Audit Committee "COMM": the dichotomous variable that takes value 1 if the members of the audit committee are at least three and 0 otherwise. (Spira 2003 Rish 2009).

→ The expertise of the Audit Committee's member "EXPER": It is a binary variable that takes value 1 if at least one member of the audit committee is an expert in financial management or accounting, and 0 otherwise. (Abbott et al, 2000, Rich 2009, Knapp 1991 Bryn at al 2004).

→The existence of majority shareholders "ACTI": this variable will be measured by the number of the shareholders who own more than 5% the company's stake. (Jeanjean (2005), Jensen and Meckling, 1976; palmarosa, 1986).

→ The concentration of the audit firms "CONC" : this variable will be measured by a dummy variable that takes value 1 if the firm is audited by two audit firms, and 0 otherwise. (Piot 2004)

The control variables

→ The tracking analyst "ANAL" : It is a binary variable that takes value 1 if the audited firm has a financial analyst, and 0 otherwise. (From George et al, 2005; Bayle and Schwartz, 2005).

→ The size of the audited firm "TAILL": the firm's size is assessed in accordance with the logarithm of total assets (Mayangsari 2007 Piot, 2004).

→ Indebtedness "END" = Total Debt / Total Assets (Becker et al, 1998; Balsam, Krishnan and Yang, 2003)

4. RESULT ANALYSIS

4.1.Univariate test

→Table 1: Univariate test on the subsample of the Tunisian non-financial firms.

	Model 1			Model2			Model 3		
	Std-Error	T-Statistics	PER	Std-Error	T-Statistics	CONS	Std-Error	T-Statistics	ACD
BIG	4.65888	1.95371	9.102	5.7127	-3.1765	-18.145	2332.8	3.41393	7984.366
			(0.053)			(0.002)			(0.001)
SPEC	5.70603	-0.86078	-4.911	6.99677	3.308518	23.148	2857.2	1.61994	4628.583
			(0.391)			(0.001)			(0.108)
REPU	10.0713	3.59482	36.204	12.3496	-1.34127	-16.564	5043.1	0.04862	245.230
			(0.000)			(0.183)			(0.961)
COMM	5.62522	1.19989	6.749	6.89768	-0.65996	-4.552	2816.7	1.67023	4704.679
			(0.233)			(0.511)			(0.098)
EXPER	5.85301	3.96198	23.189	7.17700	-1.48204	-10.636	2930.8	1.22343	3585.716
			(0.000)			(0.141)			(0.224)
ACTI	1.33415	-3.15723	-6.880	1.63394	3.83411	9.577	688.06	-3.37468	-2234.308
			(0.000)			(0.000)			(0.001)
CONC	4.87881	-0.47035	-2.294	5.98243	-1.51785	-9.080	2443.0	-2.19131	-5353.443
			(0.639)			(0.132)			(0.031)
ANALY	7.56410	-2.82759	-20.822	9.02992	1.38593	12.514	3687.5	-1.20052	-4426.939
			(0.005)			(0.169)			(0.233)
TAILL	0.00016	3.37320	0.005	0.00020	3.86582	0.00079	0.0836	0.08247	0.006
			(0.001)			(0.000)			(0.934)
END	0.00024	-3.06103	-0.0003	0.00029	0.27878	8.33	0.1220	-0.27235	-0.033
			(0.002)			(0.781)			(0.786)
			R ² 9			0.333367			0.193632
			R ² adjusted 4			0.508923			0.115218

Table 1 presents the results obtained from the univariate tests related to the explanatory variables of the Tunisian non-financial firms. The results in this table show that the variables BIG, COMM, and EXPER DETAILEDREPORT affect significantly and positively the quality of the accounting profits, as measured by the approach of the results relevance and management. The variables ANLY, ITAC and END significantly and negatively affect the quality of the accounting profits, as measured by both the relevance and conservatism approaches.

It appears from this table that the existence of shareholders owning more than 5% of the capital and the sector-based specialization of the audit firms positively and significantly affect the quality of the accounting profits as measured by the conservatism approach.

In fact, this table has a R^2 coefficient of about 39.33%, 55.35% and 19.56% respectively for the three measures of the accounting profits quality, namely the relevance, conservatism and results management. We can say that the explanatory power of this model is significant. Therefore, we

can conclude that the independent variables used in this model do well explain the studied phenomenon, namely the quality of the accounting profits.

To better examine the impact of the audit quality on that of the accounting profits, it is very important to conduct a multivariate analysis taking into account the simultaneous effect of all the studied variables.

4.2. Tests on the panel data

The panel data have two dimensions: one for individuals (in our model they are the firms) and another for time. They are generally identified by indices i and t respectively. It is often useful to identify the effect associated with each individual, an effect which does not vary in time, but varies from one individual to another. This effect can be fixed or random. This is summarized in the test for the presence of individual effects, the Hausman and the correlation tests.

Test for the presence of individual effects

This test is to verify the presence of individual effects in our data. Our analysis will focus on the modeling of U_i individual effects for the panel data as follows: $Y_{it} = Y + X_{it}\beta + e_{it}$. In fact, we seek to test the $H_0: U_i = 0$ null hypothesis in the previous regression. This hypothesis is about the absence of individual effects.

→ **Table 2** : Test for the presence of individual effects

	PER	CONS	ACD
Chi 2 Test	12,922 (0,000)	0,435 (0,509)	2,789 (0,094)

The results of this test for the subsample of non-financial firms can make us accept H_0 and check the absence of individual effects for the conservatism model. However, for the other two models of the results relevance and management, we can say that this test can reject H_0 and accept the alternative hypothesis, that it is to say, the hypothesis about the presence of individual effects . In this case, we should use the Hausman test to define whether the effects are fixed or random.

➤ Hausman Test

The Hausman test is a specification one which helps determine if the coefficients of both estimates (fixed and random) are statistically different. The idea of this test is that, under the null hypothesis of independence between the errors and the explanatory variables, both estimators are unbiased and hence, the estimated coefficients should differ slightly. The Hausman test compares the variance-covariance matrix of both estimators.

$$W = (\hat{a} - \hat{a}_F)' \text{var}(\hat{a} - \hat{a}_F)^{-1} (\hat{a} - \hat{a}_F)$$

The null hypothesis of this test (H_0) refers to the random effect, if p-value is greater than 10%, we use the random effects which are more effective.

will be able to produce a quality service which subsequently helps improve the quality of the results.

Similarly, Balsam et al (2003) found, on a sample of U.S. firms, that the sector-based specialization of the audit firms reduces the discretionary accruals and improves the relevance of the accounting income.

It appears that the results obtained in our study are consistent with the previous studies and support the hypothesis previously issued: The quality of the accounting profits is positively associated with the sector-based specialization of the audit firms for the variables regressions of interests, conservative, and result management.

Like the results released by Franci and Yu (2009), Chalmers and Godfrey (2004), our results obtained about the effect of the audit firm's size on the interest variables confirm the hypothesis previously issued and reflect a positive and significant relationship between the 'Big 4' auditors and the quality of the accounting profits as measured by the results management, the profit relevance and the accounting conservatism. This means that the large audit firms produce higher quality services because they have better techniques and well informed human skills.

As for the expertise variable of the audit committee's member, the obtained results confirm that the quality of the accounting profits is positively associated with the member expertise of the audit committee. Anderson, Deli and Gillan (2003) and Bryan et al (2004) showed that firms whose audit committees have members with financial expertise get relevant profits. Similarly, Bryan et al. (2004) argue that an audit committee with a financial expertise increases the profits relevance.

Regarding the variable "auditor's reputation", the obtained results show a positive and significant effect on the model of the relevance of the accounting profits, and a negative and significant effect on that of the results and accounting conservatism management. Theoretically, this contradictory effect of the "auditor's reputation" variable is justified by the findings of Libby and Frederick 1990; Myers et al. 2003, Carcello and Nagy, 2004; Jackson et al, 2008; who argued that the relationship length between the auditor and audited improves the conditions of carrying out the audit task. Hamilton et al 2005, Meyers et al, 2007 JR Francis, (2004), find a negative association between the relationship length in years between the auditor and audited and the abnormal component of the result.

The effect caused by the existence of one or more shareholders confirms the hypothesis previously advanced. This hypothesis says that the quality of the accounting profits is positively associated with the presence of shareholders, and therefore corroborates the theoretical statements of Shleifer and Vishny (1986), Denis and Serrano (1996) who reported that the concentration of the capital increases the control efficiency of the staff by the shareholders.

Jeanjean (2000) and Rajgopal, Venhatachalam and Jiambalvo (1999) argued that the existence of such shareholders provides a control mechanism that can hinder the profits management. Unlike the expected results, the variable size of the audit committee positively affects only the model of the results management. Such a contradiction can be explained by the divergence of the results obtained in the studies of DeAngelo (1981), Carcello and Nagy (2000) and DeFond Jiambalvo (1994).

Like in the researches carried out by Piot (2004) on the control of the audit profession where the effect of co-statutory auditor on the audit independence was concluded, the obtained results show a significant effect of the variable "concentration of the audit firms" only for the model of the

results management. This implies that the co-statutory auditor limits the managers' authority and therefore generates quality benefits.

Regarding the control variables, the obtained results suggest a positive relationship between the quality of the firms' accounting profits and respectively the company's size and the presence of tracking financial analysts. These results imply that these elements are reasons that contribute to the improvement of the quality of the accounting profits on which indebtedness has no significant impact.

CONCLUSION

As a governance mechanism, the external audit's main objective is to ensure the reliability of the accounting data published by the firms. Therefore, the agency and the signal theories are a theoretical basis for the positive impact of the external audit on the quality of the accounting earnings measured by different approaches such as the relevance, conservatism and results management.

In our study, we tried to check whether the quality of the external audit can improve the quality of the accounting profits using three different approaches of measurement such as, the relevance, the level of conservatism and the results management. The empirical analysis in the Tunisian context helped us show that a better external audit quality improves that of the accounting profits.

More specifically, the developed study shows that the auditors' belonging to an international network (Big), the reputation of the audit firm, the existence of an accounting expert in the audit committee, the existence of an audit committee and the size of the audited company have a positive impact on the relevance of the accounting profits for both sectors (financial and non-financial).

The results show that other variables of the external audit, such as the existence of majority shareholders holding more than 5% of the capital, the co-statutory auditor and the presence of a financial analyst within the company being audited, improve the quality of the accounting profits even in the financial sector.

BIBLIOGRAPHIE

- [1]. Abbott, L.J., S. Parker et G. Peters, (2002) « Audit Committee Characteristics and Financial Misstatement: A Study of the Efficacy of Certain Blue Ribbon Committee Recommendations », document de travail.
- [2]. Anderson, L., N. Deli et L. Gillan, (2003) « Boards of Directors, Audit Committees and Information Content of Earnings », document de travail, University of Delaware.
- [3]. Antle R., (1982), « The auditor as an economic agent », *Journal of Accounting Research*, vol 20, n°4, p. 503-527.
- [4]. Antle R., et B Nalebuff, (1991), « Conservatisme and auditor- client negotiations », *Journal of Accounting Research*, vol 29, p. 31-59.
- [5]. Ashbaugh, H., Collins, D. W. et Lafond, R., (2006), « Corporate governance, risk and the cost of equity capital », *Accounting and Business Research*, vol 24, n° 95, p. 195-2007.
- [6]. Ball, R, & P, Brown, (1968), « An empirical evaluation of accounting income numbers », *Journal of Accounting Research*, (autumn 1968), pp.159-178.
- [7]. Balsam, S., Krishnan, et J.S. Yang, (2003), « Auditor Industry Specialization and Earnings Quality », *Auditing : A Journal of Practise et Theory*, vol 22, n°2, p. 71-97.
- [8]. Barth M.E., W. H. Beaver et W.R.Landsman (2001), « The relevance of the value relevance literature for financial accounting standard setting: Another view », working paper, Graduate School of Business, Stanford University

- [9]. Basu, S, (1997), «The conservatism principle and the asymmetric timeliness of earnings », *The Journal of Accounting and Economics*, 24, pp.3-37.
- [10]. Basu, S, (1999), « Discussion of the international differences in the timeliness, conservatism, and classification of earnings », *Journal of Accounting Research*, Vol.37, supplement, pp.89-99.
- [11]. Becker, C.L., Defond M.L., Jiambalvo J., and Subramanyam K.R., (1998), « The effect of audit quality on earning management », *Contemporary Accounting Research*, vol 15, n°1, p.1-24.
- [12]. Bryan, D., M.H. Liu et S.L. Tiras, (2004), « The Influence of Independent and Effective Audit Committees on Earnings Quality», document de travail.
- [13]. Bushman, R.M., and A. J. Smith. (2001). Financial accounting information and Corporate Governance. *Journal of Accounting and Economics* pp. 237-333.
- [14]. Bushman, R.M., Q. Chen, E. Engel et A. Smith, (2000), “ financial accounting information, organizational complexity and corporate governance systems”, document de travail, university of north Carolina, duke university et university of Chicago.
- [15]. Carcello J.V., Hermanson R.H et McGrath N.T, (1992), « Audit quality attributes : the perceptions of audit partners, preparers, and financial statement users », *Auditing : A Journal of Practice and Theory*, vol 11, n°1, p.1-15.
- [16]. Carcello, J.V., and Nagy. A.L., (2004). ‘Client size, auditor specialization and fraudulent financial reporting’, *Managerial Auditing Journal*, Vol.19, No.5..
- [17]. Chalmers K., Godfrey J.M, (2004), “Reputation costs; the impetus for voluntary derivate financial reporting” *Accounting Organization and Society*, vol. 29, pp.95-125.
- [18]. Chen, K.Y., and Zhou. J., (2006), « Auditor brand name, industry specialisation, and earnings management : evidence from Taiwanese companies », *International Journal of Accounting, Auditing and Performance Evaluation*, vol 3, n°2, p. 194-219.
- [19]. Citron D.B. et Taffler R.J. (1992) “The audit report under going concern uncertainties: an empirical analysis”, *Accounting and Business Research*, vol. 22, n°88, pp.337-345.
- [20]. Core, J. E., Guay, W. R., Buskirk, A. V. (2003), « Market valuations in the new economy: An investigation of what has changed », *Journal of Accounting and Economics*, vol. 34, pp 43-67
- [21]. Datar, S., Feltham, G., and Hughes, J. (1991), « The role of audits and audit quality in valuing new issues », *Journal of Accounting and Economics*, vol 14, n°1, p.3-49.
- [22]. De Angelo, L.E., (1981a), « Auditor size and audit quality », *Journal of Accounting and Economics*, n° 3, p.183-199.
- [23]. Dechow P., R Sloan et A. Sweeney (1995), «Detecting earnings management», *The Accounting Review*, vol. 70, pp193-226.
- [24]. Dechow, P.M, (1994), « accounting earnings and cash flows as measures of firm performance: the role of accounting accruals », *The Journal of accounting and economics*, 18, 3-42.
- [25]. Dechow, P.M, Kothari, S.P, Watts, R.L, (1998), « The relation between earnings and cash-flows », *The Journal of Accounting and Economics*, 25, 133-168.
- [26]. DeFond M.et J. Jiambalvo (1994), «Debt covenant violation and manipulation of accruals», *Journal of Accounting and Economics*, vol. 17, pp. 145-176.
- [27]. DeFond, M.I., and Wong, T.J., (2000), « Auditor industry specialization and market segmentation: evidence from Hong Kong », *Auditing A journal of practice et theory*, vol 19, n° 1, p.51-66.
- [28]. Dunn, K.A., et B.W. Mayhew, (2004), « Audit Firm Industry Specialization and Client Disclosure Quality », *Review of Accounting Studies*, vol 9, n° 1, p. 35-58.
- [29]. Francis J, E Maydew et H Sparks, (1996), « Earning management oppotunities, auditor quality, and external monitoring », *Working Paper*, University of Missouri et Columbia.
- [30]. Francis J., et K. Schipper (1999), «Have financial statements lost their relevance? », *Journal of Accounting Research*, vol. 37, pp.319-352.
- [31]. Francis J., K. Schipper.et L. Vincent (2002), «Earnings announcements and competing information», *Journal of Accounting and Economics*, vol. 33, pp. 313-342.
- [32]. Francis, J.R and Yu, M.D., (2009), « Big 4 Office Size and Audit Quality », *The Accounting Review*, vol 84, n° 5, p. 1521-1552.
- [33]. Francis.J. et D. Wang (2008), «The joint effect of investor protection and Big 4 audits on earnings quality around the World», *Contemporary Accounting Research*, vol. 25, pp.157-191.
- [34]. Frankel, R., Johnson, M., and Nelson, K., (2002), « The Relation between auditors’ fees for non-audit services and earning management », *The Accounting Review*, Special Issue on Quality of Earnings (Supplement), vol 77, n° 4, p. 71-105.

- [35]. Givoly, D & C, Hayn, (2000), « The changing time-series properties of earnings, cash flows and accruals: Has financial reporting become more conservative? », *The Journal of Accounting and Economics* 29, 287-320.
- [36]. Gul, A.F., Fung, K.Y.S., and Jaggi, S., (2009), « Earning quality : Some evidence on the role of auditor tenure and auditors' industry expertise », *Journal of Accounting and Economics*, vol 47, p. 265-287
- [37]. Hamilton, J., C. Ruddock, D. Stokes, et S. Taylor, (2005), « Audit Partner Rotation, Earnings Quality and Earnings Conservatism», documents de travail, SSRN.
- [38]. Hammersley, J.S, (2006), «Pattern identification and industry-specialist auditors» *The Accounting Review*, mars, p. 309-336
- [39]. Healy P. (1985), «The effect of bonus schemes on accounting decisions», *Journal of Accounting and Economics*, pp. 85-107.
- [40]. Healy P.M. et J. M. Wahlen (1999), «A Review of earnings management literature and its implications for standard settings», *Accounting Horizons*, vol.13, n° 4, pp. 365 – 395.
- [41]. Hermanns, S., (2005), « Financial Information and Earnings Quality: a Literature Review », document de travail.
- [42]. Janin, R. & Piot, C. (2007). « External Auditors, Audit Committees and Earnings Management in France », *European Accounting Review*, vol 16, n°2, p. 429–454.
- [43]. Jeanjean T. (2001), «Incitations et contraintes à la gestion du résultat», *Comptabilité- Contrôle-Audit*, vol 7, n° 2, pp. 62-76.
- [44]. Jenkins, D.S., G.D. Kane, et U. Velury, (2006), « Earnings quality decline and the effect of industry specialist auditors: An analysis of the late 1990s », *Journal of Accounting and Public Policy*, vol 25, p. 71–90.
- [45]. Jensen, M.C., and Meckling, W.H, (1976), « Theory of the firm, managerial behavior, agency costs and ownership structure », *Journal of Financial Economics*, vol 3, n°4, p. 305-360.
- [46]. Jiambalvo J., Rajgopal S., Venkatachalam M., (2002), « Institutional ownership and the extent to which stock prices reflect future earnings », *Contemporary Accounting Research*, vol. 19, n° 1, pp. 117-145.
- [47]. Knapp, M.C, (1991), « Factors that audit committee members use as surrogates for audit quality », *Auditing : A Journal of Practice and Theory*, vol10, n°1, p. 615-637.
- [48]. Krishnan J., Yang J.S, (1999), “auditor industry specialization and the earning response coefficient”, Working paper: temple University.
- [49]. Labelle, R., et C. Piot, (2003), « Gouvernance, audit et manipulations comptables », *Revue du Financier*, vol 139, p. 84-90.
- [50]. LaFond, R. et R.L. Watts, (2008), «The information role of conservative financial statements», *The Accounting Review*, vol. 83, pp. 447-478.
- [51]. Lee T. et Stone M., (1995), « Competence and independence : the congenial twins of auditing ? », *Journal of business finance and accounting*.
- [52]. Libby R., Frederick D. M, «Experience and the ability to explain audit finding» *Journal of Accounting Research*, vol 22, n°2, pp. 348-367.
- [53]. Mansi, S. A., W.F. Maxwell., and D.P. Miller. (2004), «Does auditor quality and tenure matter to investors? Evidence from the bond market». *Journal of Accounting Research* 42 (4):755-793.
- [54]. Mayangsari, S., (2007), «The Auditor Tenure and the Quality of Earnings : Is Mandatory Auditor rotation Useful? » *Unhas Makssar*, vol 26-28, pp. 1-25.
- [55]. Meyers J. N., Meyers L. A, Omer T, (2003), «Exploring the term of the auditor-client relationship» *The Accounting Review*. Vol 78, July, pp. 779-799.
- [56]. Meyers M. J., Regsby J.T, Boone J, (2007), «The impact of auditor-client relationship on the reversal of first time audit qualification», *Managerial Auditing Journal*, Bradford, vol 22, n°1, pp53.
- [57]. Myers L. et D. Skinner (1999), «Earnings momentum and earnings management», working paper, disponible sur le lien http://www.ssrn.com/update/arn/arn_finacctg.html.
- [58]. O'Keefe, T.R., R.D. King, Gaver,(1994), «Audit Fees, industry specialization, and compliance with GASS reporting standard», *Journal of practice et theory*, vol 13, p. 41-55
- [59]. Palmrose, Z-V. (1988), «An analysis of auditor litigation and audit service quality», *The Accounting Review* (January): 55-73.
- [60]. Penman, S.H & X, Zhang, (2001), « Accounting conservatism, the quality of earnings, and stock returns », Working paper (Columbia University and University of California, Berkeley).

- [61]. Piot C, (2001), « Agency costs and audit quality: Evidence from France », *The European Accounting Review*, vol 10, p. 461-499.
- [62]. Piot C. (2004), « Effort d'audit et taille de l'entreprise : barème réglementaire et économie d'échelle dans le commissariat aux comptes des PME-PMI », *Finance-Contrôle-Stratégie*.
- [63]. Piot, C., et R. Janin, (2004), « Audit quality, corporate governance and earning management in france », document de travail, annual Congress of European Accounting Association, Gothenburg.
- [64]. Rich, K., (2009), « Audit Committee Accounting Expertise and Changes in Financial Reporting Quality », Dissertation, University of Oregon
- [65]. Schipper K. (1989), «Commentary on earnings management», *Accounting horizons*, vol. 3, n° 4, pp. 91-102
- [66]. Schipper, K. et L. Vincent, (2003), « Earnings Quality », *Accounting Horizons*, supplement, p. 97-110.
- [67]. Shleifer A. et R. Vishny (1997), «A survey of corporate governance», *Journal of Finance*, vol. 52, pp737-783.
- [68]. Spira, L., (1999), « Independence in Corporate Governance: The Audit Committee Role », *Business Ethics. A European Review*, vol. 8, no. 4, p. 262-273.
- [69]. Van Tendeloo, B. et A. Vanstraelen (2005), «Earnings management under German GAAP versus IFRS», *European Accounting Review*, vol 14, n°1, pp.155-180.
- [70]. Watts R.L. (2003b), «Conservatism in accounting, Part II: evidence and research opportunities», *Accounting Horizons*, vol. 17, n° 4, pp. 287-301.
- [71]. Watts R. et J. Zimmerman (1990), «Positive accounting theory: a ten year perspective», *The Accounting Review*, Vol. 65, pp. 131-156.
- [72]. Watts R.L. (2003a), «Conservatism in accounting, Part I: explanations and implications», *Accounting Horizons*, vol. 17, n° 3, pp. 207-221.