The Effects of Multiple Restatements on Audit Fe

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ABSTRACT

Financial restatement is evidence of problems in firms' reporting stems and auditors' failures to detect and/or report material misstatements. Auditors have to put more effect in the engagement to lower detection risk when restatement occurs. When investors incur losser because of misstated reporting, investors can file litigation against auditors. As a result, restatement increases litigation risk. Restatement also signals low audit quality. Auditors face reputational damage whet financial statements that they audited contain material misstatements and they fail to report such misstatements. Overall, restatements increase audit effort, litigation risk, and reputation risk. As a result, auditors are expected to charge higher audit fee to cover the increased effort and risks.

This study investigates the relation mp between number of restatement and audit fee using the U.S. data. Results show a positive associant to between number of restatement and audit fee. Moreover, the positive association is larger when firme restate financial statements to decrease net income and when the restatements are related to frame accounting rule application failures, and errors. Overall results suggest that auditors adjust audit fee based on increased effort and risks related to firms' restatement history.

Keywords: Multiple Restatement, Audit Fee, Types of Restatements



ผลกระทบจากการแก้ไขงบการเงินหลายครั้งต่อค่าสอบบังรั

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บทคัดย่อ

การแก้ไขงบการเงินเป็นหลักฐานของปัญหาในระบบการราย ดางการเงินของกิจการและเป็นหลักฐานถึง ความผิดพลาดของผู้สอบบัญชีในการตรวจและรายงานข้อผิดพ.กดอะมีสาระสำคัญในงบการเงิน ผู้สอบบัญชีจะต้องใช้ ความพยายามเพิ่มขึ้นในการปฏิบัติงานเพื่อลดความเสี่ยงจากก จรวจสอบเมื่อพบว่าบริษัทลูกค้ามีการแก้ไขงบการเงิน นอกจากนี้ การแก้ไขงบการเงินยังเพิ่มความเสี่ยงของ(สอบ ัญชีด้านคดีความ เมื่อนักลงทุนมีผลขาดทุนเนื่องจากการ ใช้ข้อมูลจากงบการเงินที่ไม่ถูกต้อง ซึ่งผู้สอบบัญชีได้แสดงความเห็น นักลงทุนอาจฟ้องร้องให้ผู้สอบบัญชีขตใช้ผลขาดทุน ดังกล่าว ผู้สอบบัญชีที่ไม่สามารถตรวจพบข้อผิดพลาดอันเป็นสาระสำคัญหรือไม่รายงานข้อผิดพลาดนั้น เป็นเหตุให้บริษัท ลูกค้ามีการแก้ไขงบการเงินภายหลังจากที่ผู้ บบบนชีในการรับรอง ยังอาจต้องเผชิญกับความเสียหายด้านชื่อเสียง ซึ่งส่งผลต่อรายได้ในอนาคต จากเหตุผล การับ ผู้สอบบัญชีมีแนวโน้มที่จะเพิ่มค่าสอบบัญชี เพื่อครอบคลุมต้นทุนของ งานที่เพิ่มมากขึ้นและขดเชยความเสี่ยงตามเล่าว เมื่อบริษัทลูกค้ามีการแก้ไขงบการเงินในอดีต

งานวิจัยนี้ศึกษาความสัมพันธ์ระทวางจำนวนครั้งของการแก้ไขงบการเงินกับค่าสอบบัญชีโดยใช้ข้อมูลจากบริษัท ในประเทศสหรัฐอเมริกา ผลก จากศึกษาพบว่า จำนวนครั้งของการแก้ไขงบการเงินมีความสัมพันธ์เชิงบวกอย่าง มีนัยสำคัญต่อค่าสอบบัญชี นอ จานี้ ผลการศึกษาแสดงให้เห็นว่า ความสัมพันธ์เชิงบวกดังกล่าวเพิ่มมากขึ้นเมื่อการ แก้ไขงบการเงินเป็นการแก้เขาของดกำไรสุทธิหรือเป็นการแก้ไขงบการเงินเมื่อข้อผิดพลาดอันเป็นสาระสำคัญเกี่ยวข้อง กับการทุจริต การนำเกตรฐานบัญชีไปใช้อย่างไม่ถูกต้องและความผิดพลาดทางบัญชี โดยสรุป ผู้สอบบัญชีปรับ ค่าสอบบัญชีโดยประเม จากปริมาณงานและความเสี่ยงที่เพิ่มขึ้นจากข้อมูลการแก้ไขงบการเงินในอดีตของกิจการ

คำสำคัญ: การแกะขุบการเงินหลายครั้ง ค่าสอบบัญชี ประเภทของการแก้ไขงบการเงิน

1. Introduction

Audit Analytics (2011) reports that from the year 2001 to 2010 the number of restatements reaches the peak in 2006 with 1,795 restatements from 1,566 filers. Then the number declines during the year 2007 to 2009 and increase again in the year 2010. These financial restatements serve as evidence for problems in firms' reporting systems and auditors' failures to detect and/ or report material misstatements. Audit risk is a combination of control risk, inherent risk, and detection risk. Restatements affect auditor's effort because restatements reflect an increase in control risk and/or inherent risk. To maintain an acceptable level of audit risk, auditors have to reduce detection risk by putting more effort into the engagement. In addition, financial restatement harms investors' wealth. Market reacts negatively when firms announce restatement. For example, Palmrose et al. (2004) report an abnormal return of -9% over 2-day restatement announcement window. In a more recent study by renesset al. (2008), restatements because of mogularities result in cumulative abnormal returns of 13.64% while restatements because Operrors result in investors incur losses due to instated reporting, investors can file ligitation against auditors. As a result, restatement increases litigation risk. Moreover, restatements signal low audit quality. Audit quality is joint probability that an auditor disgory's a breach in clients' accounting systeps, ports the breach (DeAngelo 1981). Audit is free reputational damage when the

financial statements that they audited corrain material misstatements and they fail to report such misstatements. Overall, restatement increase audit effort, litigation risk, for reputation risk. As a result, auditors are expected to harge higher audit fee to cover the increase m effort and risks.

This study investigation e relationship between number of resident tenents and audit fee. The samples are 15 firms that have audit fee information for the fiscal year 2004–2015. Final sample is composed of 39,392 firm-year observations and 7004 firms.

The result show a significant positive association etween number of restatement and all it ice. Audit fee increases about 8% per a statement. For a subsample of firms that poort internal control problems under Sarbanes – 🖾 Act Section 404, both the number of Sestatements and the existence of internal control weakness are associated with higher audit fees. The positive association between audit fee and number of restatement is more pronounced when the restatement reduces net income. This finding implies that auditors perceive adverse restatements to correct overstated earnings as a reflection of risks and increase audit fee to compensate the risks. Restatements because of accounting rule application failures, financial fraud, irregularities and misrepresentations, and accounting errors also increase audit fee. In an additional test, the number of periods without financial restatement is associated with reduced audit fees. Overall results suggest that auditors

adjust audit fee based on effort and risks related to firms' restatement history.

This study belongs to audit fee and financial restatement research area. Empirical results provide evidence on auditors' risk assessment based on firms' restatement history. To the best of the authors' knowledge, this is the first study that investigates the relationship between the number of restatements and audit fee. Restatements do not only increase cost of capital of the firms and losses to investors, but they also increase audit costs charged by the audit firms. This study also extends audit research on audit fee and internal control weakness. In addition, this study provides evidence on auditor industry expertise and audit fee. Ferguson and Stokes (2002) find no strong evidence of fee premium in Australia audit market after the year 1990 for Big N auditors who are leaders in industries. Menon and Williams (2001) study audit fee in the US market for the period from the year 1980 to 1997. They find no evic nce of fee premium and industry expertice Usaudit market. This study provides evidence on another side of the argument as our regression results show significant positive relationship between audit fee and audit industry expertise. The finding suggests that auditors earn fee premum from their industry expertise.

The remainder on the study is organized as follows. The next section provides theoretical background and develops hypotheses. Section III describe sample selection processes and the authorized in this study. Section IV reports inivariate and regression results. The last section provides the discussion of results their implications.

2. Background and Hypothesis To elow ent

Audit fees are comprised of poduction costs, expected present value future losses, and profit (Simunic 19); Oann and Williams 2001). Financial restatements have an impact on audit fees through proportion costs and expected present value of full re losses. Audit risk model defines audi Ask as a mbination of inherent risk, control risk, and detection risk. Restatement signals problems in reporting system. Auditors can view restates ent as a red flag for high inherent risk and control risk. To maintain audit risk at an a contable level, auditors have to lower detection isk by putting more effort into the engagements. Production costs are results of quantity of Sesources utilized by the auditor in performing the audit examination and per-unit factor cost of resources (Simunic 1980). Restatements should, therefore, increase production costs, and thus increase audit fees.

Auditors' lawsuit is a conjunction of stakeholders' losses and auditors' failures (Palmrose 1988). Restatements harm investors' wealth. Palmrose et al. (2004) report an abnormal return of -9% over 2-day restatement announcement window. In a more recent study by Hennes et al. (2008), restatements because of irregularities result in cumulative abnormal returns of -13.64% while restatements because of errors result in cumulative abnormal return of -1.93%. Restatements reflect an acknowledgement that

original financial statements published were not in accordance with GAAP¹ (Palmrose and Scholz 2004). Therefore, restatements increase auditors' litigation risk. DeAngelo (1981) defines quality of audit services as a joint probability that an auditor discovers a breach in the client's accounting system, and reports the breach. Accounting restatement is evidence of auditor's failure to detect or to report material misstatement in client's financial statements before the financial statements are issued. As a result, restatements can tarnish auditors' reputation of providing high audit quality. Reputation is important for auditors because it is a key factor to attract new clients and maintain current clients. The U.S. Government Accountability Office (GAO) (2008) reports that reputation of auditors is an important factor for companies to hire their auditors. Overall, restatements increase auditors' expected future losses through increasing litigation risk and reputation loss. As restatements increase both production costs and expected future losses for auditors, auditors are executed to adjust audit fees to cover such con

Hoitash et al. (2008) use financial restatement as a control variable in examining relationship between internal control of the and audit pricing. Their regressions show a rignificant positive relationship between relat

Hoitash et al. (2008) by employing the number of restatement instead of the dummy variable. indicated by the Acting Chief Accountant, in 2006 (Scott 2006), over half of returned to are caused by ordinary books and record defic, ncies or simple misapplications of accounting standards. Single restatement may School because of mistakes by firms and autom Good internal controls should be able covered subsequent restatement in these areas. Multiple restatements, lowever, whore likely to occur when the many emot intends to misreport financial state in or ignore or cannot solve internal control roblems. Factors that affect the likelihood a sstatement may still exist and result in matricle restatements. Multiple restatements frequently expose shareholders to negative market Paction (Files et al. 2014). As the number of re Satements may signal high level of control Sk, inherent risk, litigation risk, and reputation risk, auditors may adjust audit fee to cover such risks. The first hypothesis to reflect the expected relationship between the number of restatements and audit fee is as follow:

H1: There is a positive association between the number of restatements and audit fee.

Losses to investors and stakeholders in the case of understated earnings are expected to be lower than in the case of overstated earnings.

Palmrose and Scholz (2004) study excludes retroactive restatements required by GAAP for accounting changes and subsemption events. In this study, we exclude two restatement categories from Audit Analytics: GAAP-Changes in Accountin Principles FASB/EITF or Foreign GAAP, and Retrospective revisions to prior year financials for consistency. Description of the two categories from Audit Analytics is in Appendix A. Pierre and Anderson (1984) investigate lawsuits against public accountants and document no lawsuit for the case of undervaluation of assets, understatement of revenues, or overstatement of expenses. Pratt and Stice (1994) find that audit fees reflect amount of audit evidence collected and litigation risk premiums. As overstated earnings restatements increase litigation risk, audit fee is expected to be higher when restatements involve overstated earnings. On the other hand, auditors may perceive understated restatement as having the same level of control risk and put the similar amount of effort in auditing understated earnings firms as they do for overstated earnings firms. When auditors are related to restatement, they incur reputation damage. Auditors may lose other clients and lose opportunity to attract new clients. As a result, auditors may view clients who previously report understated earnings as risky as clients who previously report overstated earnings. The second hypothesis in an alternative srm, without the direction of association as Allow:

H2: The association between number of restatement and audit fee is different between restatements that relate to verstated earnings and restatements that relate to understated earnings.

The last hyp thesis considers the effect of restatement type and the association between number of restauments and audit fee. Audit Analytics separates restatements into large four groups: 1 counting rule (GAAP/FASB) application failure Financial fraud, irregularities and morepresentations, 3) Errors in accounting and

clerical applications, and 4) Other signation issues. Based on the Committee of Spons ins Organizations of the Treadway Commission (COSO), one of the components on the control is control environment. "Control Environment sets the tone for the organization, influencing the control consciouses its people. It is the foundation for the components of internal control, providing discipline and structure" (www.colorg). Management integrity is an important part of control environment. As a result, restalements that relate to intentional misstatement (roud) indicate severe problem in reporting system because they usually involve unet i chehavior of management. Restatement from which severe internal control problems are ore tikely to restate their financial statements again. Auditors have to put more effort in Getecting material misstatements in these firms. Auditors are not responsible for detecting fraud. However, if fraud results in material misstatement and auditors fail to detect it, auditors can be sued for investors' losses from the misstatement. Restatements related to fraud increase auditors' litigation risk and reputation damage. Therefore, auditors should adjust audit fee to cover risk premium. Restatements involve accounting rule application failures is another category that auditors may pay more attention. This type of restatement raises question about audit and accounting competency. Auditors may face higher reputational damage when this type of restatement occurs. Restatements due to errors in accounting and clerical applications should have

lowest effect on audit fee. They reflect problems in internal control but not management intention to falsify financial statements. The last hypothesis is stated as follow:

H3: The positive associations between number of restatement and audit fee are different based on restatement types.

3. Method

Sample Selection

Samples are from Audit Analytics database with audit fee information for the fiscal year end 2004 to 2015. Restatement information is also from Audit Analytics database with restatement filings between the years 2000 to 2015. Financial information is from Compustat database. Audit Analytics restatement records are mainly from press releases, 8Ks, 10Ks, 10KAs, 10Qs, and 10QAs. Restatements in the categories of change in accounting principles and retrospective revision to prior year financials for consisten (y and excluded from the sample because the relief misstatements or errors in reporting. Analytics may create an initial restatement notification based on 8K filing or press repase and create another notification once 100 of are filed with new information. However, the new notification will be created on when there is significant new information. In this ady, we try our best to identify and remove observations with the same restatement to repore the redundancy. However, the effect muble counting restatement, if still left, when ased against our findings.

Audit Analytics database includes all tope of filers; accelerated filers, non-accelerated files funds and trusts, new company registrations sma business filers and foreign registrard data from Audit Analytics and Computer results in final samples of 39,392 firm-year obs rvations and 7,404 unique firms. Table 1 Sane (separates the sample into non-restatement, and multiple restatement servations. There are 11,110 single restatemet observations (28%) and 6,922 multiple (statements observations (18%) in the sample. The lesu then may be subject to limited general zaboty and cannot be applied to all firms diffee for final samples are accounted for only provide the state of t for or models.

Table 1 Panel B reports samples by restatement pes. Audit Analytics separates restatements into la le four groups: 1) Accounting rule (GAAP/FASB) \mathbb{Q} pplication failures, 2) Financial fraud, irregularities and misrepresentations, 3) Errors in accounting and clerical applications, and 4) Other significant issues. Accounting rule application failures restatement is the most common type of restatements (94%) in our restatement samples. Table 1 Panel B also separates samples into restatements that improve net earnings or understated earnings restatements and restatements that adversely affect net earnings or overstated earnings restatements. 84% of restatement sample are in overstated earnings restatement group. In Panel C, samples are grouped by the number of restatements submitted during study period.

Table 1Sample Selection

Panel A: Restatement and non-restatement observations

	Number of Obse vation
Non-Restatement	21,360
Single Restatement	11,110
Multiple Restatements	69.9
Total observations	19,392

Panel B: Numbers of Restatement Observations by Restatement Types

Restatement Type	No. of the with	No. of Obs without
1. Accounting rule (GAAP/FASB) application failures	16,~	1,121
2. Financial fraud, irregularities and misrepresentations	361	17,671
3. Errors in accounting and clerical applications	1,016	17,016
4. Other significant issues	1,464	16,568
Restatement Type	No.	of Obs
Restatement - Improve	2,	,853
Restatement - Adverse	15,	,179
Total	18,	032

Panel C: Numbers of Observations by Numbers of Restatements

Number of Restaten at	Number of Observation
1	11,110
2	4,322
3	1,683
	589
	217
6	56
7	21
8	16
9	10
10	8
Total	18,032

Research Design

We modify fee model based on previous studies (Simunic and Stein 1996; Menon and Williams 2001; Ettredge et al. 2007; Hogan and Wilkins 2008; Abbott et al. 2003; Carcello et al. 2002; Hoitash et al. 2008)

Fee = $\beta_0 + \beta_1 \text{RestNum} + \beta_2 \text{Big4}$

	+ [β_3 Expert + β_4 Asset + β_5 NumSeg
	+ [$m{eta}_6$ SegRevenue + $m{eta}_7$ InvRec + $m{eta}_8$ CR
	+ 6	β_9 Lev + β_{10} ROA + β_{11} Growth
	+ [$B_{12}LOSS + \varepsilon_t$
Fee	=	natural log of audit fees for the year
RestNum	=	cumulative number of restatement submitted since year 2000
Big4	=	1 if auditor is a Big 4 auditor; 0 otherwise.
Expert	=	1 if auditor is an industry expertise auditor; 0 otherwise.
Asset	=	natural log of total asset
NumSeg	=	natural log of numbers
		and geographic segments
SegRevenue	=	proportion of revenues segments
		to total revenue
InvRec	=	proportion of intentory and
		accounts receivable to total assets
CR	=	curre t ratio
Lev	=	total liab, ties/total assets
ROA	=	incon e before extraordinary items/
Growth 🥢		percent change in revenue
LOSS	\bigcirc	1 if firms report loss:
		0 otherwise.

The number of restatement (*RestNum*) variable includes cumulative restatements from the vor 2000 up to each of the period examined Auct fee is the annual audit fee for the for al very Tric coefficient of the *RestNum* variable is specied to be positive under H1.

In an additional test in model is expanded to include ICWeak a proxy to capture the existence of internation of weaknesses reported under SOX distion 404. ICWeak is a dummy variable which quals 1 for firms that receive adverse reportion internal control over financial reporting otherwise. The Sarbanes-Oxley Act Gect n 404 requires management to assess the ectiveness of the internal control structures and procedures for financial reporting at he end of the most recent fiscal year. The ct also requires registered public accounting fir that prepares or issues the audit report to Qttest to, and report on, the assessment made by the management. Raghunandan and Rama (2006) find that firms report material weakness under Section 404 pay higher audit fee compared to firms without internal control problems for the fiscal year 2004 but not for the fiscal year 2003. Krishnan et al. (2008) and Hoitash et al. (2008) report that audit fees for firms that report internal control weaknesses under SOX Section 404 are more likely to be higher than firms that do not have internal control weaknesses. Good internal control can prevent and detect errors in financial reporting system before such errors go to final financial reports. Once a restatement occurs, good internal control should be able

to help management detect the same mistake and prevent another incident of restatement. Therefore, firms with higher effectiveness of internal control structure and procedures for financial reporting should have lower incidence of multiple restatements. Clients' good internal control can lower auditors' effort and litigation risk. On the other hand, when firms report problems in their internal control structure, auditors can view this as a red flag for high control risk and inherent risk. Control weaknesses in restatement firms increase the likelihood of another restatement, and thus increase risk. Accounting numbers are less reliable and auditors have to increase substantive tests and extensive analyses. The expected sign for the coefficient of this term is positive. We also test H1 on subsample of observations with restatement. The results will provide evidence on the effect of multiple restatement without non-restatement observations as the base line.

For hypothesis 2 testing, an interaction term *RestNum*Adverse* is added to the min model to examine the effect of overstated earnings restatement. Variable *RestNum*Adverse* is for observations that have adverse restatements or restatements that relate to period overstated earnings in the latest restatement.

In the last hypoth sis besting, interaction terms *RestNum*Acc, RestNum*Fraud, RestNum*Error,* and *RestNum*Order* are added to the model to represent particular types of restatements based on Judit Analytics. The four types are 1) According rule (GAAP/FASB) application failures *estNum*Acc, 2*) Financial fraud, irregularities

and misrepresentations – *RestNum Froud*, 3) Errors in accounting and clerical applications – *RestNum*Error*, and 4) Other significant is ues – *RestNum*Other*. The positor of a provide the coefficient of each of these rematement type variables reflect the risks borne by auditors that are impounded into audit for

This study include Bar and Expert variables to control for audit repressium evidenced in prior studies. *Big4* a dummy variable with a value of or if the company's financials are audited by one of the Big4 auditor, and a value of zero otherwoe. Francis (1984) and Francis and Sirion 1987), among others, report that Big Nacon rearn fee premium. Expert is dummy variable for auditor expertise. Expert equals 1 if be auditor is the top auditor who have highest fee in NAICS 2-digit industry. Craswell et al. (1995) And evidence supporting fee premium for industry specialist auditors in Australian market. They document 34% premium for Big 8 auditors who are industry specialists compare to Big 8 auditors who are not industry specialists. However, later study by Ferguson and Stokes (2002) do not find strong support for fee premium in Australia audit market after the year 1990 for Big N auditors who are leaders in industries. Ferguson et al. (2003) explains that Australia market perceives audit industry expertise at city level rather than at firm level. Menon and Williams (2001) study audit fee in the US market for the period from the year 1980 to 1997. They find no evidence of fee premium and industry expertise in US audit market. This study includes *Expert* to control for the relationship (if any) of audit fee and auditor industry expertise.

Other controls variables are based on previous studies (i.e. Simunic 1980; Simunic and Stein 1996; Ferguson et al. 2003; Carcello et al. 2002; Hoitash et al. 2008). Asset, the natural log of total asset, is a measure of client size. Previous studies find positive relationship of client size and audit fee. NumSeg, the natural log of number of business segments and geographic segments, captures the complexity of the client. SegRevenue is the proportion of revenues from segments to total revenues. It captures client complexity. Expected sign for NumSeg and SegRevenue is positive. InvRec is inventory and receivable over total assets. Pratt and Stice (1994) find that audit fees reflect amount of audit evidence collected and litigation risk premiums. Receivable and inventory are related to subjective judgment in determining their values. Menon and Williams (2001) find decline in the coefficient of InvRec. They (vplan that auditors have more efficient in auditors these assets which results in lower proportion cost and auditors pass the cost saving to crients. In addition, clients with poor financel condition are more likely to incur losses to be wholders and auditors are more likely to be sed for the losses (Pratt and Stice 1990). R. he current ratio as computed by total green assets divided by total current liabilities, is proxy for client liquidity risk. Similarly, *Lev*, everage computed as total liabilities over total assets, represents solvency risk. Bon 🗮 rn on asset as measured by total incon be ore extraordinary items divided by

76 **วารสารวิชาชีพบัญชี** ปีที่ 12 ฉบับที่ 35 กันยายน 2559

total assets. *Growth* is percentage growth in *c* carevenue comparing to last year total revenue. Growth firms have risk of reporting error because their internal control system mayOot pareout with the growth (Kinney and McDanie' 1985). High sales growth can increase volume of transaction and result in overburden if erro, untrol system (Pratt and Stice 1994). Addie result is premium. *LOSS* is during a variable equals 1 for firms report net *Pose*. Untrol system risk for auditors. The expected sign for *ross* is positive.

4. Results Descriptive Catistics and Univariate Results

Table 2 shows descriptive statistics of variables the regression models. Non-restatement observations have highest audit fee on average. The difference in the mean values of audit fee between non-restatement and single restatement groups is significant. A possible explanation is that non-restatement firms tend to be larger firms and firm size is a significant predictor of audit fee. The proportion of non-restatement firms that hire Big 4 auditors and auditors with industry expertise is higher than the proportions for single and multiple restatement observations. The implication here is that Big 4 auditors and industry expert auditors can lower the likelihood of restatement or restatement firms are less likely to hire Big 4 auditors and industry expert auditors. Restatement firms are smaller than non-restatement firms as measured by total assets. Large firms may have more efficient

Variables	Non AP	atement	Single Re. $(n = 1)$	statement 1,110)	Multiple Re (n = 6	sstatements 3,922)	Diff. in Means Non-Restatement -	t-stat*	Diff. in Means Single Restatement -	t-stat*
	Mean	Med.ar	Mean	Median	Mean	Median	Single Restatement		Multiple Restatements	
Fee	13.398	13.469	13.3	13.508	13.348	13.487	0.056	3.160	-0.005	-0.230
Big4	0.711	1.000	0.62	000	0.555	1.000	0.087	15.720	0.069	9.110
Expert	0.198	0.000	0.187	0000	0.189	0.000	0.011	2.340	-0.002	-0.360
Asset	5.908	5.911	5.607	5.747	5.425	5.688	0.301	16.030	0.182	4.540
NumSeg	0.657	0.000	0.718	0.000	0.830	0000	-0.062	-4.790	-0.112	-6.430
SegRevenue	1.494	0.000	1.580	0.000	1.599	0.00	-0.086	-0.590	-0.019	-0.180
InvRec	0.226	0.183	0.237	0.195	0.242	098	-0.011	-5.050	-0.004	-1.400
CR	4.963	1.920	2.653	1.781	4.557	1.610	2309	1.980	-1.903	-0.970
LEV	1.210	0.483	1.591	0.527	8.298	0.569	-0.39	-1.330	-6.707	-1.700
ROA	-0.181	0.032	-0.337	0.023	-1.851	0.009	0.156	2.200	1.514	1.520
Growth	149.168	8.391	145.123	6.162	206.374	4.664	4.046	0.069	-61.251	-0.430
LOSS	0.354	0.000	0.404	0.000	0.465	0.000	-0.051	-8_10	-0.060	-7.950
Bold indicate	es significan.	ce level at	P < 0.05.							

internal controls over financial reporting that can prevent misstatements. Multiple restatements observations are the most complex as indicated by number of business and geographic segments. Non-restatement observations have higher current ratio and ROA compared to single restatement observations. The proportion of observations with net loss is highest for multiple restatement samples and lowest for non-restatement samples.

Multiple Regressions

Table 3 reports correlation matrices among variables in the regressions. There are high correlation between firm size as measured by natural log of total assets and Big 4 auditor. Larger firms hire larger auditors. In addition, both variables have high correlation with audit fees. Variance Inflation for *LEV* and *ROA* are above 10. There could be a problem of multicollinearity. In a robustness test, we remove both variables from the model. The results are the same as the main model.

Regression results for hypothese 1 are in Table 4. In the first regression, the coefficient of *RestNum* is significant an positive. The finding supports the first hypothesis. There is a positive association between the number of restatement and autit field he result indicates that audit fee increases around 8% for each restatement, controlling for other variables in the model. Controlling for other variables in the model. Controlling for other variables in the model. Controlling for other variables in the dings support previous studies that Big N auditors earn fee premium (Francis 1984; Franch and Simon 1987). Firm size and complexity of positively associated with audit fee. Applied also adjust audit fee to comprovate viene litigation risk when firms have high overage and when firms report net loss. *Experior* marginally significant in the model (p. 0.00). This extends evidence on auditor industry as ertise and audit fee. The evidence goes to taro. Craswell et al. (1995) study that find evidence supporting fee premium for industry excialist auditors. The finding suggests that auditors get fee premium because of their industry expertise.

The scond regression includes *ICweak* to capture ince al control weakness over financial reporting. After including *ICWeak* variable, the officient of *RestNum* is still significant. This dicates that the association between number of estatement and audit fee remains the same no matter the firms have internal control weakness or not. The increase in audit fee comes from the effect of the number of restatement and the existence of internal control deficiency.

The last regression is based on samples of restatement only. The results are the same as the first two regressions. *RestNum* is positively associated with audit fee. In an additional test (not tabulated), we add a variable *TimeNoRest*, which is number of years from the latest restatement, to reflect periods without restatement. The coefficient of *TimeNoRest* is -0.008 (p = 0.0165). The interpretation is that the auditor perceives that firms with longer restatement-free periods are less risky than firms that just had a restatement.

		אשפר	CB	LEV	ROA	Growth	LOSS
	1 0120	-0.034	-0.058	0 1 25	0 307	-0.012	-0 337
$\frac{-0.002}{-0.02} = -0.02 = -0.059 = 0.05$	9 0.057	0.031	-0.097	0.115	-0.099	-0.073	0.084
0.631 -0.115 0.57 0.640 0.07	4 0.053	-0.125	0.062	0.011	0.247	0.029	-0.262
rt 0.275 -0.017 0.352	6 0.029	-0.072	-0.021	0.024	0.101	-0.002	-0.121
0.870 -0.059 0.626 0.279 0.16	3 0.133	-0.134	-0.097	0.116	0.407	0.021	-0.447
Seg 0.199 0.063 0.091 0.042 0.184	0.978	0.100	0.082	-0.046	0.120	-0.076	-0.119
·v 0.009 0.005 0.005 0.000 0.011 0.01	6	0.082	0.073	-0.043	0.108	-0.083	-0.109
0.027 -0.173 -0.089 -0.185 0.07	7 001	2	0.123	0.027	0.117	-0.025	-0.079
-0.024 -0.004 -0.013 -0.006 -0.014 -0.00	6 0.00	-0.03		-0.697	0.182	0.043	-0.093
-0.029 0.014 -0.020 -0.007 -0.048 -0.00	3 -0.001	-0,00	0.00		-0.254	-0.080	0.154
0.028 -0.015 0.021 0.007 0.043 0.00	9 0.001	0.00	0.0	-0.956		0.204	-0.844
th -0.019 0.003 -0.020 -0.008 -0.019 -0.01	0 -0.002	-0.008	60.D	100-01	-0.001		-0.166
-0.334 0.080 -0.262 -0.121 -0.447 -0.12	5 -0.014	-0.042	0.005	0 010	0.024	0.005	

Matrix Coefficient (activity) Factistics Pr>11 Coefficient (activity) Statistics Pr>11 Coefficient (activity) Statistics Pr>11 Coefficient (activity) Statistics Pr>11 Coefficient (activity) Statistics Pr>11 Statistics Pr>11 Statistics Pr>11 Statistics Statistics Pr>11 Statistics Statistics	Math Coefficient Fastistics P-11 Coefficient Fastistics P-11 Coefficient Fastistics P-11 Intercept 0.66 32.240 0.0001 10.079 195.310 0.0001 10.301 244.390 0.0001 Resthum 0.66 32.240 0.0001 0.061 6.480 0.0001 0.667 5.730 0.0001 Bigd 0.04 0.056 1.176 0.001 0.051 2.420 0.0001 0.670 0.001 Bigd 0.04 0.056 0.0101 0.051 2.420 0.0001 0.001 Bigd 0.04 0.051 0.014 0.051 0.016 0.023 0.000 0.000 NumSeg 0.040 0.016 0.023 0.016 0.023 0.000 0.000 NumSeg 0.010 0.140 0.020 0.016 0.026 0.000 0.000 NumSeg 0.000 0.010 0.020 0.000 0.016 0.026 </th <th>D</th> <th></th> <th>Full Model</th> <th></th> <th>Moc</th> <th>del with SOX</th> <th>404</th> <th>Only R</th> <th>Restatement Si</th> <th>amples</th>	D		Full Model		Moc	del with SOX	404	Only R	Restatement Si	amples
Intercept 10.066 32.240 <0.001 10.730 <0.001 10.201 24.290 <0.001 Returb 0.45 10.160 <0.001 0.061 <0.067 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001	Intercept 10.066 36.2.40 0.0001 10.310 244.290 0.0001 Resthum 0.4 10.160 0.0011 0.061 5.730 0.0001 5.730 0.0001 Bg4 0.4 5.300 0.0011 0.361 13.590 0.001 0.67 5.730 0.001 Bg4 0.36 0.47 7.300 0.011 0.67 5.730 0.001 Repert 0.035 1.76 0.011 0.051 2.420 0.001 0.017 0.001 Repert 0.036 1.76 0.011 0.051 2.420 0.001 0.017 Repert 0.036 0.012 0.016 0.016 0.016 0.001 0.0001 0.001 0.001	Varia	Coefficient	t-statistics	Pr > Itl	Coefficient	t-statistics	Pr > Itl	Coefficient	t-statistics	Pr > Itl
RetNum 0.6 10.160 0.0001 0.6480 0.0001 0.067 5.730 0.0001 Big4 0.4 0.036 1.188 0.0001 0.061 0.601 0.601 0.6001 0.001 Kpert 0.036 1.188 0.0011 0.036 1.189 0.001 0.617 0.600 1.936 0.001 Kpert 0.036 1.188 0.001 0.414 70.700 0.016 0.603 1.990 0.001 Kpert 0.033 6.770 0.001 0.414 70.700 0.015 0.002 0.001 0.001 Kpert 0.036 0.001 0.414 70.700 0.002 3.130 0.000 Kpert 0.033 6.770 0.0001 0.474 70.700 0.002 0.001 0.001 0.000 Kper 0.000 3.140 0.002 0.002 0.002 0.000 1.930 0.000 Kper 0.000 0.140 0.002 0	RestNum 0.40 10160 <00001 0.643 0.6400 5.730 <00001 Bg4 0.40 0.40 0.0011 0.368 13.590 <0.0011	Intercept	10 066	362.240	< 0.0001	10.079	195.310	< 0.0001	10.201	244.290	< 0.0001
Big4 0.44 0.44 0.366 0.1360 0.036 1.78 0.0001 0.336 1.3590 0.0016 0.661 19.360 0.0047 Kpett 0.036 1.78 0.074 0.051 2.420 0.016 0.661 1.930 0.047 Kpett 0.0463 10011 0.074 0.041 70.790 0.016 0.436 67.130 0.040 NumSeg 0.043 6.770 0.071 0.436 6.7130 0.000 VumSeg 0.043 6.770 0.474 70.790 0.002 3.130 0.000 VumSeg 0.043 6.770 0.000 3.140 0.002 3.100 0.002 VumSeg 0.574 14.070 0.000 3.140 0.002 3.130 0.000 VumSeg 0.574 14.070 0.0001 0.474 70.790 0.000 9.230 9.000 VumSeg 0.500 3.140 0.002 0.195 0.002 1.130	Bigd 0.44 5.300 <0001 0.368 13590 <0001 0.601 19.360 <0001 Expert 0.036 1.78 0.014 0.051 2.420 0.016 0.058 1.930 0.001 Aset 0.035 10.011 0.001 0.014 0.051 2.420 0.016 0.058 1.900 0.001 Aset 0.043 10.011 0.001 0.015 0.022 3.150 0.002 0.003 0.000 Number 0.030 3.550 0.001 0.015 0.025 3.150 0.002 0.003 0.003 Number 0.010 3.550 0.001 0.012 0.012 0.003 3.130 0.003 Number 0.571 14.00 0.002 0.013 0.013 0.013 0.013 0.013 0.003 0.003 0.003 Number 0.000 3.140 0.002 0.003 0.013 0.013 0.023 0.003 0.013 0	RestNum	0 80	10.160	< 0.0001	0.061	6.480	< 0.0001	0.067	5.730	< 0.0001
Expert 0.036 1.730 0.071 0.051 0.015 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.003 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.0103 0.013 0.0001 0.013 0.0001 0.013 0.0001 0.0003 0.0001 0.003 0.0001 0.003 0.0001 0.003 0.0001 0.003 0.0001 0.003 0.0001 0.0001 0.003 0.0001 0.0	Expert 0.036 1.750 0.074 0.031 2.420 0.016 0.036 1.990 0.001 Asset 0.043 10011 0.0001 0.474 70.700 0.013 6.7130 0.0001 Mumber 0.043 6.770 0.011 0.002 3.150 0.0001 0.436 6.7130 0.0001 Mumber 0.043 6.770 0.013 0.002 3.150 0.002 3.130 0.000 Mumber 0.030 3.550 0.000 3.550 0.000 3.130 0.000 Mumber 0.030 3.560 0.000 3.510 0.000 3.130 0.000 Mumber 0.030 3.140 0.020 0.010 0.195 0.000 1.930 0.000 Lev 0.000 3.140 0.002 0.000 0.190 0.190 0.190 0.190 0.100 Lev 0.000 3.140 0.002 0.000 0.190 0.190 0.190 <td< td=""><td>Big4</td><td>0.49</td><td>3.300</td><td>< 0.0001</td><td>0.368</td><td>13.590</td><td>< 0.0001</td><td>0.601</td><td>19.360</td><td>< 0.0001</td></td<>	Big4	0.49	3.300	< 0.0001	0.368	13.590	< 0.0001	0.601	19.360	< 0.0001
Asset 0.463 100.13 0.0001 0.474 70.790 <0.001 0.436 67.130 <0.000 NumSeg 0.043 6.770 0.001 0.022 3.150 0.032 3.700 0.000 NumSeg 0.043 6.770 0.001 0.022 3.150 0.032 3.700 0.000 SegRevenue 0.000 3.550 0.000 3.510 0.002 3.130 0.002 InvRec 0.574 14.070 0.000 3.010 0.032 9.820 0.000 InvRec 0.574 14.070 0.002 0.195 0.000 3.130 0.002 InvRec 0.574 0.001 0.150 15.690 0.002 0.102 0.000 InvRec 0.001 0.102 0.102 0.103 0.002 1.930 0.001 InvRec 0.000 0.103 0.002 0.103 0.002 1.930 0.002 InvRec 0.000 0.000 0.000	Asset 0.453 100.124 0.0001 0.474 70.790 6.7130 6.7130 6.00001 NumSey 0.043 6.770 0.012 0.012 0.013 3.700 0.000 NumSey 0.043 6.770 0.001 0.5150 0.002 3.150 0.002 3.130 0.000 Septevenue 0.000 3.550 0.000 3.510 0.000 3.130 0.000 3.130 0.000 Nerkec 0.010 3.550 0.000 3.510 0.000 3.130 0.000 Nerkec 0.514 14,070 0.000 -3.140 0.000 3.130 0.000 Lev 0.000 -3.140 0.002 0.100 0.195 0.000 0.102 0.000 Lev 0.000 3.140 0.002 0.130 0.195 0.000 1.430 0.152 Lev 0.000 0.103 0.103 1.2430 0.000 0.180 1.430 0.180	Expert	0.036	1.78	0.074	0.051	2.420	0.016	0.058	1.990	0.047
Numbeg 0.043 6.770 5.700 0.022 3.150 0.002 3.150 0.002 3.170 0.000 SegRevenue 0.000 3.650 0.000 3.650 0.000 3.130 0.000 InvRec 0.010 3.650 0.000 3.650 0.000 3.130 0.000 InvRec 0.0574 14.070 <0.0001	Number 0.043 6.770 0.023 3.150 0.002 3.100 0.003 3.100 0.003 3.100 0.003 3.130 0.000 SegRevenue 0.000 3.650 0.000 3.650 0.003 3.010 0.003 3.130 0.000 hwkec 0.574 14.070 <0.000	Asset	0.463	100.120	0.0001	0.474	70.790	< 0.0001	0.436	67.130	< 0.0001
SegRevenue 0.000 3.650 0.000 3.010 0.003 0.000 3.130 0.002 InVRec 0.574 14.070 <0.001	Seghevenue 0.000 3.650 0.000 3.650 0.000 3.130 0.000 3.130 0.000 InvRec 0.574 14.070 <0.0001	NumSeg	0.043	6.770	× 2.00 1	0.022	3.150	0.002	0.032	3.700	0.000
Invlet 0.574 14,070 <0.0001 <0.0001 0.568 9.820 <0.0001 CR 0.000 -3.140 0.002 -0.00 -5.230 <0.0001	InvRec 0.574 14.070 <0.0001 5.5.60 <0.0001 0.566 9.820 <0.0001 CR 0.000 -3.140 0.002 -3.140 0.002 -5.230 <0.0001	SegRevenue	0.000	3.650	0.000	0.000	3.010	0.003	0.000	3.130	0.002
CR 0.000 -3.140 0.002 -0.00 -1.300 0.195 0.000 -5.230 <0.001 LEV 0.001 3.140 0.002 0.002 0.003 0.1930 -5.230 <0.004	CR 0.000 -3.140 0.002 -0.00 -5.230 -0.000 -5.230 -0.001 LEV 0.001 3.140 0.002 0.103 0.103 0.002 1.930 0.054 LEV 0.001 3.140 0.002 0.103 0.103 0.001 1.930 0.054 ROA 0.001 0.010 0.031 0.002 0.103 0.002 1.930 0.054 ROA 0.000 -0.010 0.031 0.032 0.031 0.005 0.130 1.430 0.054 Rowth 0.000 -0.010 0.994 0.000 23.260 0.000 1.430 0.130 LOSS 0.001 0.003 18.190 0.994 0.003 1.430 0.001 LOSS 0.023 18.190 0.903 0.001 1.1803 6.0001 LOSS 0.02 18.130 0.002 0.001 0.190 1.1803 6.0001 LOSS 0.01 0.133	InvRec	0.574	14.070	< 0.0001	2260	15.690	< 0.0001	0.568	9.820	< 0.0001
LEV 0.001 3.140 0.002 0.109 0.001 1.930 1.930 0.054 ROA 0.002 2.150 0.031 0.005 0.001 1.930 0.054 ROA 0.002 2.150 0.031 0.005 0.001 1.430 0.152 Growth 0.000 -0.010 0.994 0.000 23.260 0.001 1.430 0.152 LOSS 0.233 18.190 0.994 0.993 12.430 0.000 -1.890 0.059 LOSS 0.233 18.190 <0.001	LeV 0.001 3.140 0.002 0.109 0.100 1.930 0.031 ROA 0.002 2.150 0.031 0.005 6300 0.001 1.430 0.152 ROA 0.002 2.150 0.031 0.005 0.33260 0.001 1.430 0.152 Growth 0.000 -0.010 0.994 0.000 23.260 0.001 1.430 0.159 Growth 0.000 -0.010 0.994 0.000 23.260 0.001 1.430 0.159 LOSS 0.233 18.190 <0.001	CR	0.000	-3.140	0.002	-0.00	-1.300	0.195	0.000	-5.230	< 0.0001
ROA 0.002 2.150 0.031 0.005	ROA 0.002 2.150 0.031 0.005 0.005 0.001 1.430 0.152 Growth 0.000 -0.010 0.994 0.000 23.260 0.000 -1.890 0.059 LOSS 0.000 -0.010 0.994 0.000 23.260 0.000 -1.890 0.059 LOSS 0.233 18.190 <0.001	LEV	0.001	3.140	0.002	0.109	200	< 0.0001	0.000	1.930	0.054
Growth 0.000 -0.010 0.994 0.000 23.260 0.000 -1.890 0.059 LOSS 0.233 18.190 <0.0001	Growth 0.000 -0.010 0.994 0.000 23.260 0.000 -1.890 0.059 LOSS 0.233 18.190 0.0001 0.193 12.430 0.000 -1.890 0.050 LOSS 0.233 18.190 <0.001	ROA	0.002	2.150	0.031	0.005	.830	0.005	0.001	1.430	0.152
LOSS 0.233 18.190 <0.0001 0.193 12.430 <0.210 11.870 <0.0001 ICWeak 0.343 10.790 <0.001	LOSS 0.233 18.190 <0.0001 0.193 12.430 <0.210 11.870 <0.0001 ICWeak > > > 0.343 10.790 <0.01	Growth	0.000	-0.010	0.994	0.000	23.260	Polesia X	0.000	-1.890	0.059
ICWeak ICWeak 0.343 10.790 <0.001 78.67% R ² 78.37% 89.63% 69.63% 78.67% 78.67% No. of observations 39,392 24,112 24,112 18,032 No. of clusters 7,404 4,430 4,430 10,000	ICWeak 0 0.343 10.790 <0.001 R ² 78.37% 78.37% 69.63% 70.01 No. of observations 39,392 9.112 24,112 19,032 No. of observations 7,404 4,430 4,430 22,112	LOSS	0.233	18.190	< 0.0001	0.193	12.430	<0000000000000000000000000000000000000	0.210	11.870	< 0.0001
R ² 78.37% 78.67% 78.67% No. of observations 39,392 24,112 13,032 No. of clusters 7,404 4,430 4,430	R ² 78.37% 69.63% 69.63% 78.67% No. of observations 39,392 24,112 80.00 No. of observations 7,404 4,430 4,430	ICWeak				0.343	10.790	< 0.0 1			
No. of observations 39,392 24,112 18,032 No. of clusters 7,404 4,430 4,430	No. of observations 39,392 24,112 18,032 No. of clusters 7,404 4,430 4,430	R ²		78.37%			69.63%			78.67%	
No. of clusters 7,404 4,430 4,430	No. of clusters 7,404 4,430 4,430	No. of observations		39,392			24,112			18,032	
		No. of clusters		7,404			4,430			321	5

Table 5 presents regression results testing hypothesis 2 and 3. The coefficient of *RestNum*Adverse* is positive and marginally significant (0.049, p = 0.075). This implies that the positive relationship between number of restatements and audit fee is more pronounced when the latest restatement is an adverse restatement. Investors incur losses when firm overstated earnings and they may file a lawsuit against the auditors. As a result, the auditors view overstated earnings firms as having additional risks.

The last regression model includes four variables to partition restatements into each type of restatement as indicated by Audit Analytics. 1) Accounting rule (GAAP/FASB) application failures - RestNum*Acc, 2) Financial fraud, irregularities and misrepresentations - RestNum*Frau 3) Errors in accounting and clerical applications - RestNum*Error, and 4) Other significant issue - RestNum*Other. The results indicate that the number of restatements is positive ssociated with audit fee after controlling the effects of restatement types. In addition, the type of latest restatement that relate to accounting rule application failures, financia friud, irregularities and misrepresentations erors in accounting and clerical applications is politively associated with audit fee. Restationers due to accounting rule application failure may indicate the complexity of the client, bperations and applications of accounting standards to the clients' operations.

Such difficulties are not likely to lessen or the. As a result, auditors may identify this type of restatement as having a high possibility tereo ĸur. Restatements related to fraud ply in the weakness in internal control. In ddison, they usually involve the management. Management is an important factor affering Control environment. Auditors perceive Mignentrol risk when restatements related fraid incur. Moreover, auditors face higher litigation risk when firms experience Fuel res vements. For the positive association of restorements related to errors in accounting address applications and audit fee, the poslible explanation is that the auditors put som prins over misstatements due to errors. Mismatements due to errors should be easily Vetected by companies' internal control because of lack of intention to hide the misstatements. Paving restatements due to errors signals internal control problems in the companies' reporting system. The interaction terms RestNum*Acc and *RestNum*Error* is significantly associated with reduced audit fee. Most of the restatements in the sample are in the first category. The variable *RestNum, RestAcc, and RestError* may capture all the effects on audit fee from these types of restatements and the interaction terms provide a protective effect of these restatements on audit fee. Overall, the positive associations between number of restatement and audit fee are different based on restatement types.

Table 5	OLS Regressio	on Results Tes	ting H2 and H	13: Numbers o	f Restatemen	t and Audit Fe	ee Association
	by Restateme	ent Types					(O)
		0		D	0 11 1		

	Coefficient	t-statistics	Pr > Itl	Coefficient	t-statistics	Pron
Intercept	10.296	116.730	< 0.0001	9.970	67.390	2000
RestNum	0.033	1.270	0.204	0.215	3.160	0,02
Adverse	-0.055	-0.910	0.361		5.0	
Асс				0.287	210	0.029
Fraud				0.333	2.24	0.025
Error				0.276	2.120	0.034
Other				.950	0.640	0.520
RestNum*Adverse	0.049	1.780	0.075			
RestNum*Acc				-0.141	-2.170	0.030
RestNum*Fraud				-0.039	-0.640	0.520
RestNum*Error				-0.154	-2.220	0.027
RestNum*Other				0.032	0.810	0.416
Big4	0.434	11.450	< 0.000	0.434	11.490	< 0.0001
Expert	0.063	2.180	0030	0.059	2.070	0.039
Asset	0.446	46.240	0.0001	0.445	46.250	< 0.0001
NumSeg	0.020	2.122	0.034	0.022	2.320	0.020
SegRevenue	0.000	3.90	0.002	0.000	3.190	0.001
InvRec	0.883	2,010	< 0.0001	0.861	9.840	< 0.0001
CR	-0.008	-2.150	0.031	-0.009	-2.180	0.029
LEV	0.07	1.930	0.054	0.076	1.870	0.062
ROA	-00	-0.890	0.372	-0.015	-0.920	0.358
Growth	0.00	-1.450	0.148	0.000	-1.350	0.176
LOSS	0.165	8.010	< 0.0001	0.162	7.850	< 0.0001
ICWeak	0.386	10.110	< 0.0001	0.383	10.040	< 0.0001
R ²	/	65.58%			65.78%	
No. of observations		11,392			11,392	
No. or clb. ters		2,219			2,219	

5. Conclusion

This study investigates the relationship between number of restatements and audit fee. The samples include all observations that have audit fee information for the fiscal year 2004–2015. The results show significant positive association between number of restatements and audit fee. For a subsample of firms that report internal control problems under Sarbanes-Oxley Act Section 404, both the number of restatements and the existence of internal control weakness are positively associated with audit fees. The positive association between audit fee and number of restatement is more pronounced for restatements to lower overstated net income. This finding implies that auditors perceive adverse restatements to have some additional risks. Restatements because of accounting rule application failures, financi fraud, irregularities and misrepresentations, errors in accounting and clerical applications result in a significant increase in audit fee. Resiaten ants related to fraud imply significant makings in internal control and possible in exity problem of the management. Auditors perceive high risk for firms with restatement to fraud. Overall results suggest that auditors a with audit fee based on effort and risks related to firms' restatement history.

This study brong to audit fee and financial restatement restarch area. Empirical results provide auditors' risk adjustment evidence on firms' restatement history. Restatements do not only in resta cost of capital of the firms and

losses to investors, but they also increase a idit cost of the firms. This study extends audit recarch on audit fee and the existence of internal control weakness. In addition, this study of vides evidence on an inconclusive argument boun auditor industry expertise and audit fee. The results from this study support the ability that auditors earn fee premium when they are industry specialists.

As a caveat, Aun Analytics restatement database records some observations of the same restatement incident on separate lines. We try our best to exclude ouch redundant observations; however, some ordundancies may still exist and may ouse neasurement error in the number of restatements. Nevertheless, such measurement error with lead to bias against finding support for yur hypotheses.

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