#### EARNINGS FRAUD AND FINANCIAL STABILITY

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#### ARTICLE INFORMATION

#### Article history:

Received July 30, 2016 Revised Nov 12, 2016 Accepted May 18, 2017

*JEL Classifications* D73; D82; G32

#### **Key Words:**

Earning Frauds; Financial Stability; Financial Distress.

#### DOI:

10.21532/apfj.001.17.02.01.010

#### **ABSTRACT**

Earnings can be the goal for firms which desire to commit financial fraud. This study is propounded to show fraudulent earnings reporting and its relationship with the company's financial stability. The samples used in this study are manufacturing firms listed on the Indonesian Stock Exchange during the period of 2010-2013. The data consisting of financial statements are processed using descriptive statistics, and the hypotheses are tested using logistic regression. The results of this study reveal that 22 financial statements are indicated earnings fraud. Of all the financial statements, 68 percent suffers from financial distress. This study shows that the firms with the improved financial stability tend to restrain themselves from committing earnings fraud. This study also finds that the firms which experience financial distress have a greater incentive to commit the fraud.

#### 1. INTRODUCTION

Fraudulent financial reporting has become an issue for years and attracted many researchers to explore its determinants. The increasing number of companies sanctioned by Financial Services Authority (hereinafter referred to as OJK) has encourage some researchers in Indonesia to contribute empirically (Mardiana, 2015; Nugraha and Henny, 2015; Puspatrisnanti and Fitriany, 2014; Putra and Fitriany, 2015; Ratmonoet al., 2014; Sukirman and Maylia, 2013). Inconsistency continues to emerge in line with the limited number of cases disclosed. Therefore, some researchers have not been able to focus on which financial reporting referred to as fraud because the sanctions for the rule violation imposed by OJK are specified by some cases only such as late submission of financial statements, of financial data misstatements and unrevised, stock trading manipulation, and other financial

information. Some of them are trying to emphasize the violations on the basis of the misstatements in financial reports or in the presentation and the disclosure of financial reports, but their outlook still provides the same study design and they just add different variables so that the results continue to produce inconsistencies between other studies.

In financial fraud, earnings will always be the target for opportunists to set the pattern through income-increasing / decreasing or referred to as earnings management (Scott, 2009), or even the earnings is manipulated to make the performance of the financial statements look good, such as the case of Enron (Warshavsky, 2012). Manipulation through the distortion of earnings is a pattern that becomes their focus (Ahmed and Naima, 2016; Anh and Linh, 2016; Dalnial at al., 2014; Kaur at al., 2014; Mahama, 2015; Omar at al., 2014; Paolone and Magazzino, 2014). Their findings appear to be more useful as a medium of knowledge. The model may be considered modest, but their perspective encourages such studies to be conducted in Indonesia. In some countries, researchers are increasingly enthusiastic to reveal a total inclination of corporate financial fraud practices with forensic tools using the formula of Beneish M-Score and digital analysis of Benford's Law (Warshavsky, 2015). By using forensic analysis of M-score as the contributions of some previous studies, this study aims to reveal fraudulent financial reporting, particularly on the corporate earnings.

Furthermore, the awareness of the influence of financial stability experienced by a company has allow the company to depressively conduct earnings fraud practices. Therefore, this study needs to prove and analyze the relationship between the two. Some previous studies are less contributive to prove the relationship between the two under the framework of the theory of fraud (Halioui and Chellouf, 2013; Skousen at al., 2009; Suyanto, 2009; Tiffani and Marfuah, 2015). In general, companies with good financial stability tend to avoid from the pressure so that they control themselves not to commit fraudulent practices, while the companies with financial distress tend to have a greater pressure to commit fraudulent practices. Therefore, this study seeks to analyze the existence of financial stability in affecting fraud. Since the concept of fraud was modeled, it has been encouraging scientists to continue to innovate, and thus inconsistencies continue to arise. Finally, their findings seem to be rhetoric. Through this study, the results are expected to encourage the creation of rhetoric that is consistent with the theories and practices related to fraud.

The main purpose of the study is to reveal the financial statements that contain manipulative earnings (fraud). In addition, this study also seeks to classify companies constructively based on the tendency of their financial stability so that the next purposes are needed by testing the effect of financial stability on earnings fraud.

This study attempts to explore the fraudulent practices by highlighting the

company's earnings in the financial statements. This study also provides extra contribution to the financial study relating to fraud. First, the findings of this study are used as the media by presenting scientific evidence, in which some manufacturing companies that experience financial difficulties are likely to engage in fraudulent practices by providing good-looking financial statements. Second, the results of this study also become persuasive signal addressed to stakeholders, particularly investors and creditors, due to the discovery that the companies that experience financial difficulties have greater possibility to commit financial fraud. Third, the results of this study provide universal contributions to science in the study of fraud. When faced with the tendency of financial stability, financial distress turns out to be a situational motive for companies to commit financial reporting fraud.

Next, this study is presented in four parts. Theoretical framework and hypothesis development are presented in part two, while research methods are presented in part three, and analysis and discussion are in part four. This study is terminated at the conclusion in part five accompanied by the implications and limitations of the study

### 2. THEORETICAL FRAMEWORK AND HYPOTHESIS DEVELOPMENT

#### Theory of Fraud

This theory evolves after <u>Cressey (1953)</u>, in the study of social psychology, initiates a model that explains three causal factors of fraud. The model is described in the terms of the three

angles, commonly known as fraud triangle, in which each represents pressure, opportunity, and rationalization. This model explains fraud in general and has become a useful tool for public accountants to understand the risk factors of financial fraud. In 2002, the American Institute of Certified Public Accountants (AICPA) issued a statement on auditing standards, namely SAS No. 99. The aim is to improve the effectiveness of the auditor in detecting fraud through assessment of risk factors of corporate fraud. The standard is based on the framework of fraud triangle model. On its development, Albrect at al. (1984) introduces the 'fraud scale model' which considers that rationalization is difficult to be measured so that personal integrity is more appropriate to replace it. Integrity emphasis on the ethical behavior of a person in decision-making.

Based on the framework of fraud triangle model, the development of financial fraud model began to have more attention. Wolfe and Hermanson (2004) add one more angle, capability, and then the shape changes into diamond, or "fraud diamond theory". They believe that the three determinants of financial fraud must be supported by the expertise and competence, or capability. Abdullahi at al. (2015) finds that *fraud triangle* and *fraud diamond* provide the understanding of fraud theory.

Financial fraud model continues to evolve (<u>Dorminey at al., 2012</u>) and even <u>Kassem and Higson (2012</u>) attempt to mediate the existing variables of fraud model and create new fraud triangle model by considering the viewpoint

of the previous initiators, such as *opportunity* which is adopted from the fraud triangle model, *motivation* which is adopted from the MICE model (Money, Ideology, Coercion, and Ego), *capability* which is adopted from fraud diamond, and *fraud scale* with its personal integrity. The emergence of various innovations in the design of fraud model will not be separated from <u>Cressey (1953)</u> ) as the pioneer of the fraud model.

#### **Earnings Fraud and Financial Stability**

Since the Enron case that manipulatively reported an increase its earnings from 13.3 billion dollars in 1996 to 100.8 billion dollars in 2000 with estimated revenue growth of 151 percent, Warshavsky (2012) attempted to detect Enron's earnings quality which had been distorted from its actual earnings using the M-score model of Beneish (1999). The result of the distortion was 1.89, which is far from the standard of -2.22. This means that the firm performed extreme earnings manipulation. Enron itself was regarded as a successful and innovative energy company in the United States at that time, because it always appeared with impressing financial statements.

The information provided in the financial statements is very crucial for the users (Ozcan, 2016). Investors are one of the main targets for increasing company value. They would rely on information related to the statement of financial position (Vlad at al., 2011). Income settings may become an initiative for the company. Delaying recognition of expenses, utilizing the recognition of receivables or depreciation

rates, and other accounting tricks encourage the management to be creative in setting the financial performance display, because the company's financial statements presented are the result of accounting methods. It might be simpler to do than performing fictitious recording. However, if the financial difficulty occurs for several periods, it can be done.

The tendency of financial stability gives the companies a pressure to get involved in fraud. Vona (2008) states that the motive to commit fraud is often associated with personal or corporate pressure. If a corporate, with a threatened financial stability, should perform a good reputation, the external pressure becomes a proper motive for committing fraud (Kassem and Higson, 2012). Undeniably, Enron also faced financial difficulties and the external pressures had encouraged the company to commit financial fraud.

Several previous studies have attempted to examine the relationship between financial stability and fraud. What were hypothesized, by seeing the positive influence of the pressure of financial stability tendency on fraud, is not consistent with the findings (Skousen at al., 2009). Their findings are not in line with the expectations of the ideal concept of fraud so that there is inconsistency from one study to another (Nugraha and Henny, 2015; Oktaviani at al., 2014; Putra and Fitriany, 2015; Sukirman, 2013; Tiffany and Marfiah, 2015).

Empirically, fraud theory may explain the relationship between financial stability and fraud. Wolfe and Hermanson (2004) argue that although the pressure can emerge along with the

opportunity and rationalization, the capability can be an additional element. This study agrees with such view. With the capability, fraud will be obscured well by the external users. However, this capability should not be an angle that aligns with the pressure, opportunity, and rationalization. It automatically always attaches to each of the three angles of the fraud triangle model. Based on the theoretical framework of fraud, this study will rely on the angle of pressure. The pressure can emerge along with the opportunity and rationalization. The emergence of pressure allows the opportunity sought by rationalization to provide goodlooking financial statements (manipulation).

Furthermore, the tendency of financial stability is likely to cause external pressure. The external pressure, as proxied by Kassem and Higson (2012) in fraud triangle model, becomes the dominant motive to commit fraud. In his study, Ozcan (2016) reveals empirically that the decline in financial performance encourages financial fraud. It can be understood that when performance is good and growing, a company tends to avoid from the pressure. The companies, with better financial stability, will provide a negative effect on earnings fraudulent practices. In other words, the companies with good financial stability will ideally be able to prevent themselves from manipulating earnings in their financial statements. The existence of negative influence of good financial stability on earnings fraud is the expected results in this study.

H1. The better the financial stability of a company, the lower the tendency of the company to commit earnings fraud

Conversely, poor financial conditions tend to encourage management to take unethical action to manipulate the performance of its financial position report in order to look good (Bell at al., 1991). But so far, Halioui and Chellouf (2013), Mardiana (2015) empirically have revealed that financial distress through the Z-score has a negative influence on fraud. Whereas, when a company faces financial distress, the company will positively be encouraged to commit fraud. Therefore, this study still agrees that the companies facing financial difficulties would ideally be more motivated to commit fraud. As a result, the positive effect will be generated.

When a company experiences distress, the possibility to commit fraud will increase (Rezaee, 2005). Beasley (1996) states that the company experiencing financial distress will more likely to manipulate its finance so that the financial condition existing in the financial statement looks good. In line with the statement, Dichev at al. (2016) reveals that the general reasons to perform earnings misrepresentation is a desire to influence the stock. Poor quality of reported earnings will certainly affect the stock price and the cost of capital (Dichev at al., 2013). When faced with financial distress, the pressure to make earnings quality look good is greater. In his study, Arshad at al. (2015) reveals that the company that experiences financial distress has more incentive or encouragement to commit earnings fraud than the company that does not experience financial distress. Understanding that, the company experiencing distress tends to have greater impetus to commit fraud than the stable company. In the circumstances, not

all companies seem stable. They have their own tendencies to run the business, whether stable, fluctuating, or distress during the period. This study estimates that there are different incentives in earnings fraud conducted between the companies experiencing distress and those that are stable. A strong motive tends to arise when facing financial distress. Therefore, fraud is committed more by the companies that experience financial distress than those that have stable financial condition. Financial distress is expected to show a positive effect on earnings fraud.

## H2. The pressure to commit earnings fraud is experienced more by the companies during the distressed condition than during the stable condition.

A strong motive to commit fraud is also possibly experienced by companies with unstable financial condition. Companies with unstable financial condition are expected to be different from the those with stable financial condition. Fluctuated financial condition enables greater differentiation of fraud experienced by unstable companies. Thus, the companies with unstable financial condition

are encouraged to commit earnings fraud than those with stable financial condition. Unstable financial condition is expected to show a positive effect on earnings fraud.

# H3. The pressure to commit earnings fraud is experienced more by companies during unstable financial condition than during stable financial condition.

#### 3. RESEARCH METHOD

#### Sample

This research is a quantitative research which analyzes financial reporting data and conducts hypothesis testing. The research setting is the field setting using the company's financial statements as the analysis unit. The data of companies' financial statements, as the samples, obtained from the Indonesian Capital Market Directory (ICMD) and the general publication of the Indonesia Stock Exchange (BEI) are collected using documentation method. The samples in this study consist of companies listed on the Indonesian Stock Exchange from 2010 to 2013. There are 87 companies taken as the samples of this study with the criteria as shown in Table 1:

Table 1 Criteria of Sampling

Criteria	Company
Registered subsequently by issuing financial statements 2010-2013	125
The financial statements do not expire on December 31	(4)
The financial statements use foreign currency	(24)
Incomplete data information	(10)
Total	87
Number of data observation	261

Source: Processed data, 2016

The observation period of this research is three years from 2011 to 2013. The data of 2011 is required to measure the earnings fraud (t-1).

#### **Research Variables**

The variables of this study are earnings fraud and financial stability. Earnings fraud is the earnings that contain fraud in financial statements, in which the reported earnings deviate from actual earnings. The earnings look qualified in the eyes of external users of the company. The standard to indicate earnings fraud is M-score which is greater than -2.22. The size of M-score in this study is measured using

the formula of Beneish (1999) with five ratios that have been modified since some researchers (Kaur at al., 2014; Mavengere, 2015; Paolone, 2014) have considered that only five ratios of M-Score that generate significant result. In previous studies, Roxas (2011) confirms that the M-Score, with five ratios, can indentify earnings manipulation more accurately than the seven ratios. If the M-Score is above -2.22, the company is indicated to have committed earnings fraud, with value of 1, and 0 is in contrary. The formula of M-score is presented as follows:

M = -6.065 + 0.823 DSRI + 0.906 GMI + 0.593 AQI + 0.717 SGI + 0.107 DEP In addition, indicators and benchmark of fraud are presented in Table 2 below.

Table 2
Indicator of Modified M-Score

Panel A. Index Size		
DSRI (Days Sales in Receivables Index)	=	(Net Receivable / Sales) (Net Receivable / Sales) (1-1)
GMI (Gross Margin Index)	=	( <u>Sales-COGS / Sales</u> ) <sub>t-1</sub> (Sales-COGS / Sales) <sub>t</sub>
AQI (Asset Quality index)	=	1-(Current Assets / Net Fixed Assets / Total Assets) 1-(Current Assets / Net Fixed Assets / Total Assets)
SGI (Sales Growth Index)	=	Sales <sub>t-1</sub>
DEPI (Depreciation Index)	=	B. Depreciation to B. Depreciation + Net Fixed Assets) B. Depreciation to B. Depreciation + Net Fixed Assets) Fixed Assets)

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Panel B Benchmarks

Ratio	Fraudster Mean Index
DSRI (Days Sales in Receivables Index)	1.46
GMI (Gross Margin Index)	1.19
AQI (Asset Quality index)	1.25
SGI (Sales Growth Index)	1.60
DEPI (Depreciation Index)	1.07

Source: Beneish (1999), Warshavsky (2015)

The measurement of financial stability is conducted using Z-score of <u>Altman (1968)</u>. Z-score model provides the best predictions only for modeling manufacturing companies (<u>Chouhan at al.</u>, <u>2014</u>). In Z-score model, the high value means that the company is in the safe zone.

Z = 1.2X1 + 1.4X2 + 3.3X3 + 0.6X4 + 1.0X5

### Tabel 3 Z-Score Indicator

X1 = Working capital/total assets

X2 = Retained earnings/total assets

X3 = Earnings before interest and taxes/total assets

X4 = Market value of equity/book value of total liabilities

X5 = Sales/total assets

Source: Altman (1968)

The results of Z-Score model is categorized into three zones. Z > 2.99 is the safe zone, 1.81 > Z > 2.99 is the gray zone, and Z > 1.81 is the distress zone. Previous study conducted by Chouhan at al., (2014) utilizes Z-score for reviewing the company's financial stability in each period by setting Z > 2.99 with the safe zone is considered a safe condition, 1.81 > Z > 2.99 with gray zone is considered stable, and Z > 1.81 with the distress zone is considered to be headed for bankruptcy. Actually, the company's financial stability is more representatively reviewed from the tendency for some periods, and not in that period alone is said to be stable. Understanding such condition, this study

reviews the company's financial stability by utilizing Z-Score measurement and classifies based on the zone and then establishes the company representatively with the category of stable or not. The tendency of the Z-Score owned by companies in each period must be obtained in advance. By relying on the cutoff of Z-score of Altman (1986), this study establishes that the company with a Z-score below 1.81 (Z < 1.81) respectively during the observation period is categorized financial distress. If not, in which the company within a certain period (fluctuated), it is categorized unstable, whereas if the company successively has Z > 1.81, it is categorized stable. These

categories are measured in dummy (k-1) with the number of k is three groups. The excluded group is stable given the value of 0, while unstable and distress are the included group and given the value of 1.

Since the earnings which are indicated manipulative influence stock returns (Beneish at al., 2013) in which the earnings of probability are related to stock returns (Chan at al., 2006; Larson at al., 2011), this study utilizes stock return as control variables. Stock returns are obtained from the difference between the stock price of the current period and the previous period (P,-P, 1/P, 1).

#### **Data Analysis Technique**

Data are analyzed based on the objectives of the study using logistic regression. Associate degree of Cramer is used as a follow-up analysis to look at the robustness of the results of the hypothesis. The degree is also used to test the motive force of financial stability in encouraging earnings fraud. To test the hypothesis, logistic regression is used. Equation model to test the hypothesis 1 is as follows.

FRAUD=  $\alpha + \beta_1$ StFIN+  $\beta_2$ RETURN+  $\epsilon$ 

Equation model to test hypothesis 2 and 3 is as follows:

FRAUD=  $\alpha + \beta_1$ DISTRESS +  $\beta_2$ INSTABLE +  $\beta_3$ RETURN+  $\epsilon$ 

Table 4
Description of the Proxy of Equation Variable

FRAUD	=	Earnings fraud of M-Score
StFIN	=	Financial stability of Z-Score
INSTABLE	=	Fluctuated financial condition with dummy of the variable of stable
DISTRESS	=	Financial difficulty with dummy of the variable of stable
RETURN	=	Stock returns based on actualization

**Source:** Author

## 4. DATA ANALYSIS AND DISCUSSION Description of the Data

Table 5 shows the description of earnings fraudulent practices of the year 2011- 2013. In panel A, M-score, as a forensic tool to detect fraud, indicates 22 financial statements are

above the value of -2.22. The companies that manipulate their earnings tend to occur every year. In fact, during the process of observation and input of the data, there are two companies with the financial statements that produce M-score above -2.22 for two years.

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Table 5
Descriptive Statistics of Earnings Fraud

Panel A. N	M-Score									
	M Caara			Financi	al Statme	nt		Logit	Total	%
	M-Score	2011	%	2012	%	2013	%	Fraud	Total	70
M Caana	> - 2.22	8	9.2	9	10.3	5	5.7	1	22	8.43
M-Score	< - 2.22	79	90.8	78	89.7	82	94.3	0	239	91.57
		87	100	87	100	87	100		261	100
Panel B. I	Logit of earn	ings fra	aud							
	Frau	d		N		]	Mean		Std. D	ev
FRAUD	1			22			1.31		1.96	)
	0		239			-3.05		0.1	13	

Source: Processed Data, 2016

Having obtained 22 financial statements containing earnings fraud, this study analyzes each index of earnings fraud shown in Table 6. The average sample companies, that produce M-score above -2.22, have an index above fraudster main index. The index indicates that there is an increase which is not comparable in accounts receivable to sales. In addition, the average sample companies show high gross margin index above the index of fraud. This index indicates that the companies have experienced a decrease in gross margin. The

amount of pressure to improve their financial performance encourages them to manipulate through margin index. In addition, the average sample companies seek to encourage the growth of sales. There are companies that have a very large index indicated on SGI maximum index of 3.94. It can be that the company is very depressed to seek ways to improve its performance, such as by shifting revenue recognition. If there is an abnormal rise in sales, it is possible because the company has shifted the revenue recognition to the next period.

Table 6
Descriptive Statistics of Earnings Fraud Index

Ratio	Fraudsters Mean Index	N	Mean	Median	Min	Max
DSRI(Days Sales in Receivables Index)	1.46	22	1.93	1.39	0.38	10.55
GMI (Gross Margin Index)	1.19	22	4.41	1.51	-1.36	46.91
AQI (Asset Quality index)	1.25	22	1.00	1.00	1.00	1.00
SGI (Sales Growth Index)	1.60	22	1.41	1.20	0.84	3.94
DEPI (Depreciation Index)	1.07	22	1.03	0.97	0.04	3.78

Source: Processed Data, 2016

In the shrinkage index, some sample companies have altered the estimated economic life. Overall, it is only the asset quality index that is still maintained. There is no reduction in the asset quality of the sample companies. Warshavsky (2012) states that the asset quality which is greater than 1 or close to fraud index

indicates that the company is improving its suspension costs or intangible assets, and is encouraged to commit earnings manipulation. Asset quality index is still maintained on the sample of companies because they are not indicated abnormal indexes.

Table 7
Descriptive Statistics of Financial Stability

Panel A.	Z-Score									
	Z-Score		Fi	nancial	Statemo	ent		7	TD 4 1	%
	Z-Score	2011	%	2012	%	2013	%	Zone	Total	70
	< 1.81	21	24.1	23	26.4	32	36.8	Distress	76	29.1
Z-Score	1.81 > Z < 2.99	19	21.8	15	17.2	11	12.6	Grey	45	17.2
	>2.99	47	54.1	49	56.4	44	50.6	Safe	140	53.7
		87	100	87	100	87	100		261	100
Panel B.	The companies w	vith fina	incial d	istress th	nat comn	nit earnii	ngs frai	ud		
		Thres	hold	Gro	oup		N		%	
Fraud		< 1.	< 1.81 Distress		ress	15			68.2	,
			> 1.81		Non distress			7	31.	.8
							22		100	

D 10	T 1	C 1 111 C	1 1 2011	2012
Panel ( '	Hinancial	Stability for	neriod ////	_71114
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	Firms' Financial Stability	N	Mean	Std. Dev
Group	Distress	12	0.13	0.34
	Unstable	30	0.34	0.47
	Stable	45	0.51	0.50
		87		

Source: Processed Data, 2016

Furthermore, Table 7 shows the description of the financial stability from 2011 to 2013. In Panel A, 76 financial statements show the Z-score below 1.81 with an indication of distress. The companies facing financial distress continue to increase every year. In fact, there are 15 financial reports indicated having M-score above -2.22 (Panel B). This shows that 68.2% companies experiencing financial

distress commit earnings fraud. The remaining portion of 31.8% does not commit fraud. Based on the observations, the sample firms that are indicated distress and not involved in fraud have a Z-score almost close to non-distress zone so that the pressure experienced is not so great. In addition, pressure may arise along with the opportunity and rationalization. They may be at a pressure that does not have

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a great opportunity to get involved in fraud (on robust governance) and avoid from strong rationalization.

Panel C in Table 7 above shows the financial stability category for three years. Of the 87

companies, the average sample companies experience financial stability at 51.7%. Nevertheless, there are 12 companies that are consistently experiencing financial distress.

Tabel 8
Descriptive Statistics of Variables

Vawiahla	N	<b>Tean</b>	Mean	St	Std. Dev		Sia	
Variable	Fraud	Nonfraud	Difference	Fraud	Nonfraud	1	Sig	
StFIN (financial stability)	1.47	5.96	-4.49	2.95	14.76	-3.93	0.00	
RETURN (stock return)	0.37	0.17	0.19	0.98	0.79	0.921	0.36	

Source: Processed Data, 2016

In Table 8, the descriptive statistics of variables with univariate test results show differences in the characteristics of the two groups of fraud and non-fraud. The mean value of the variable of StFIN in fraud group is smaller than non-fraud group with significance level below 1%. Instead, the variable of RETURN indicates the average value of fraud group is greater than non-fraud group with significance level above 10%.

#### **Hypothesis Testing Results**

In Table 9, model 1 presents the test results of hypothesis 1 (H1). It shows that the variable of StFIN provides negative results with significance level of 1%. The negative influence indicates that the better the financial stability of the company, the more restricted to commit fraud. Thus, H1 is accepted. When the financial stability is good and growing, the company tends to avoid the pressure.

Table 9
Results of Logistic Regression

						ite itegre	,51011			
	Expe	cte		Mo	odel 1		Model 2			
Variable	d									
	Sign	n	В	Wald	Sig.	Exp (B)	В	Wald	Sig.	Exp (B)
Constant			-1.534	27.314	0.000***	0.216	-2.896	59.046	0.000***	0.055
StFIN	H1	-	-0.324	11.008	$0.001^{***}$	0.723				
DISTRESS	H2	+					1.706	10.206	0.001***	5.507
INSTABL E	Н3	+					0.224	0.160	0.689	1.251
RETURN			0.202	1.125	0.289	1.224	0.101	0.272	0.602	1.106
N	261									
	erall pe	rcen	tage	9	1.6%					
			od Block (			150.924				150.924
	_		od Block 1			133.275				139.881
	smer		and			0.151				
Ler	neshow	7				0.171				0.763
Nagelkerke R Square						0.150				0.094
			at the 1%	level						,

Source: Processed Data, 2016

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Furthermore, model 2 presents the test results of hypothesis 2 and 3 (H2; H3). H2 shows that the pressure to commit fraud is greater when the company is experiencing financial distress than stable, as indicated by a positive coefficient. Based on the hypothesis test results, the variable of DISTRESS shows positive results, with a significance level of 1%. This means that the encouragement to commit earnings fraud is greater in difficult financial conditions than in stable financial condition. From the odds ratio indicated by exp (B) in Table 9, the value is the logit coefficient of 5,507 which interprets that the encouragement to commit earnings fraud when the company experiences distress is 5,507 times greater than in stable condition (H2 is accepted). Furthermore, the variable of UNSTABLE shows positive results. The results show that the pressure of earnings fraud during unstable financial condition is 1.251 times as great as in stable financial condition. However, the results do not have an impact. Thus, H3 is rejected. As a control variable, RETURN appears to have no effect on earnings fraud. This allows the stock returns do not become a decisive motive for companies to get involved in fraud.

#### **Additional Analysis**

For additional analysis, Cramer's V test analysis is required to determine the robustness of the power of encouragement of distress, unstable, and stable condition on fraud. Table 10 shows the power produced by each group in encouraging earnings fraud. The encouragement of group of companies that are in distress condition is 0.233, the company in unstable condition is 0.017, and the company in stable condition is 0.146. This condition indicates that companies that are in distress condition have the highest encouragement. Positive results in the group of distress condition indicate the encouragement to engage fraud, while the groups of stable and unstable condition show encouragement that limit themselves to get involved in fraud.

Tabel 10
Results of Cramer's Association Degree Test

Group	Value	Approx Sig.
DISTRESS	0.233	0.000
INSTABLE	-0.017	0.783
STABLE	-0.146	0.018

Source: Processed Data, 2016

#### Discussion

Based on the theoretical framework of fraud, the results of this study suggest that the tendency of stability raises the pressure for the company to provide good financial statements based on reality with the value of the M-score

below -2.22 and good-looking financial statements with the value of the M-score above -2.22. Capability is certainly necessary to make the company's financial condition can be reported well in the financial statements, but does not become an additional element as

disclosed by Wolfe dan Hermanson (2004) in using fraud triangle theory. The relationship between financial stability and fraud is at an angle of external pressure. The results of this study empirically support the conceptual perspective of Kassem dan Higson (2012) that since the company threatened by financial stability should be in a good-looking reputation through the reported earnings, the external pressure becomes the determining motive of fraud. The company that seems to have good-looking financial statements can produce M-score above -2.22. The company proved to be influenced by the financial distress.

As mentioned earlier in this study about fraud index of the sample companies, the value is abnormal. The company seeks to improve the company performance by distorting accounts receivable, sales, and load. On the gross margin index (Table 6), the index shows a very high value, four times as high as the index of fraud. This condition indicates the company's gross margin, in real terms, has decreased to the extreme so that the company attempts to distort its gross profit through sales and cost of sales. Warshavsky (2012) states that the decline in the index is associated with the company's prospects. The decline in the index has come under heavy pressure so that the company could improve its financial performance. As a result, the distressed company attempts to provide prospective-looking financial statements.

On the other hand, Arshad at al. (2015) states that the distressed company has greater incentive or encouragement to commit fraud than non-distressed company. This study finds

that the pressure to do is 5,507 greater during distress than during stable. If a stable company wants to commit fraud, the distressed company will strive about 51/2 times motivated to do so. Thus, the financial distress has greater effect on earnings fraud than the financial stability. In contrast, the study finds that the difference in pressure between unstable financial condition and stable financial condition has no effect on earnings fraud. The non-existence of the difference is because the companies, as the research samples, which are experiencing financial fluctuation tend to move toward stable zone.

#### 5. CONCLUSION

In addition to the elaboration of the theories and concepts of fraud that become the initial consideration to achieve the purpose of study, the research model specification and the data quality are also highly considered in this study to generate inference that could have implications for the outsider in practice and the researchers in academic. The good-looking financial statements allow the outsider stuck with the company's prospects. M-score is able to be a signal to them as a forensic tool for detecting fraud, especially if associated with a Z-score. Both succeed in providing their influence in this study which elaborates the theories and concepts of fraud.

This study has reached its goal to analyze earnings fraud and its relation to financial stability. The success of this study, in relation to earnings fraud, provides a relevance to financial stability. Of the 22 financial statements

containing earnings fraud, about 68 percent is in the face of distress. The results of this study underline that the pressure, in the viewpoint of the theory of fraud, turns out to be situational. The pressure depends on the tendency of financial stability. The better the company's financial stability, the smaller the possibility to commit earnings fraud. In other words, the more distressed the company, the more inclined to engage in fraud. Distress turns out to have a greater impetus to commit earnings fraud. When the companies are experiencing distress, they are more motivated to commit earnings fraud 5½, times as great as non-distress.

This study is aware of the company's financial stability that is still in relatively short term so that in 3-5 years ahead there will possibly be changes in financial stability. It becomes the limitations imposed in this study for the purpose of further study.

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