

# THE DETECTING FRAUD FINANCIAL STATEMENT ON MINING COMPANIESIN INDONESIA

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#### Abstract

The purpose of this study was to examine the effect of the fraud triangle in explaining the phenomenon of financial statement fraud. This study consists of five (5) variables, namely Financial Stability as proxied by ACHANGE, External Pressure as proxied by Leverage, Nature of Industry as proxied by Receivable, Ineffective Monitoring as proxied by BDOUT, and Change in Auditor. From the results of logistic regression analysis, it was found that 22 companies committed fraud and 17 companies did not commit fraud from 2018 to 2020, and the financial stability variable and the fraud industry variable indicated the presence of accounting tampering. Accountancy. These results support the fraud triangle theory in explaining the phenomenon of financial statement fraud.

**Keywords:** Fraud Triangle, Financial Statement Fraud.

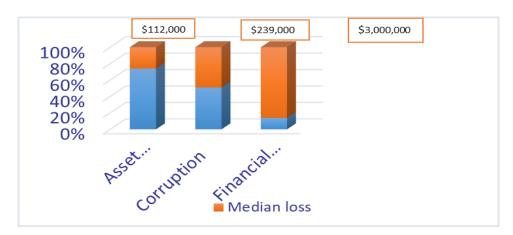
## Introduction

Company runs a business with various problems, one of which is problems in its financial statements. Meanwhile, according to Statement of Financial Accounting Concept (SFAC) No. 1, the main element in assessing the performance or accountability of the company's management is profit information so that the company tries to present the financial statements as well as possible so that investors are interested in investing their capital. The decline in company performance is caused by the emergence of several factors including difficulties in competing with other companies so that there are opportunities used by management or internal company employees to commit fraud by manipulating financial statements.

Fraud. Is a deliberate act to deceive, deceive and manipulate in ways that are dishonest in taking or eliminating money, property, legal rights belonging to others, either because of an action or a fatal impact (Reskino & Fakhri, 2016). Frauds includes illegal acts that are intentionally carried out, then hidden, and obtain benefits by converting them into cash and/or other valuables. With regard to financial reporting, fraud can be interpreted as an act that is intentionally carried out and results in material misstatements in financial reporting (Generally Accepted Auditing Standard – GAAS, 2006 in Inayati, 2019).







Graph 1: Graph fraud by frequency of occurrence in Asia-Pacific

Source: ACFE Report to The Nations, 2020

Based on the graph above released by ACFE (Association of Certified Fraud Examiners) Report to The Nations 2020 regarding fraud that occurred in Asia Pacific is divided into three types, namely asset abuse misappropriation), corruption (corruption), and (financial statement fraud). In Figure 1.1 it can be concluded that the most common cases in 2020 were the misuse of assets (assets misappropriation) was 74% with the resulting loss of \$112,000, corruption (corruption) was 51% with the resulting loss of \$239,000, and the lowest percentage was occupied by financial statement fraud of 14% with the resulting loss of \$3,000. .000. This figure explains that there are few cases of financial statement fraud, but these cases are very detrimental to the state.

In general, fraud or fraud will always occur when there is no prevention and detection. Therefore, there are several ways to detect fraud, such as the fraud triangle and fraud. In this study (Skousen et al., 2009) found three conditions in the form of a framework to identify factors that influence fraudulent actions, namely pressure, opportunity, and rationalization, known as the fraud triangle. On the other hand, research by Wolfe and Hermanson (2004) adds three conditions found by Cressey (1953) these four conditions are called cheating because of their ability diamonds (Muhammad and Murtanto, 2016).

According to SAS No., there are four types of pressure that can lead to fraud in financial statements. The types of pressure are financial stability, external pressure, personal financial needs, and economic goals. Opportunities that can result from financial statement fraud fall into three categories. The types of opportunities are industry types, ineffective oversight, and organizational structure. Rationalization is the third part of the fraudulent triangle that is difficult to measure (Skousen et al., 2009). In a fraud investigation in the financial statements of Yesiariani and Rahayu (2015), Annisya (2016) and Aprilia (2017), they found that various pressures on one of the proxies seeking financial stability reduced the degree of fraud in the financial statements. I found it to have an impact. However, this is in contrast to the research of Sarpta (2018), Mekasari (2018), Reskino and Anshori (2019) which shows that the variable pressure with one of the financial stability proxies has no effect on the level of fraud in financial







statements. The research of Sihombing and Rahardjo (2014), Aryanti (2017), and Nadia Putri (2019) in their research on fraud in financial statements found that opportunity variable with one of the nature of industry proxies affects the level of fraud in financial statements. Muhammad and Murtanto (2016), Oktarigusta (2017), and Handayani (2018) and Pratanti (2019) in their research on fraud in financial statements Septriani with of significant to the level of fraud in the financial statements.

Research conducted by Aryanti (2016), Risanti (2018), and Sari (2019) regarding fraud in financial statements found that the rationalization variable has an influence on the level of fraud in financial statements. However, the results of this study are not in line with research (Skousen et al., 2009), Minaryan (2017), and Jessica (2019) regarding fraud in financial statements. They found that the rationalization variable did not have a significant effect on the level of fraud in financial statements. This research uses the mining sector as the research subject. This study aims to determine how financial stability, financial targets, external pressure, nature of industry, ineffective monitoring, change in auditors, change of board of directors on financial statement fraud in mining companies listed on the Indonesia Stock Exchange in 2018-2020.

# LITERATURE REVIEW

# **Theory Agency**

A relationship is a contract agreed upon by both parties that allows one or more principals to appoint another person to act on behalf of the principal and allow the agent to make the best decisions for the principal. is. Principals assume that agents can do their best for the benefit of the principal. But in reality, the parties have a relationship designed to maximize their satisfaction, where the principal has no reason to always believe that the agent is acting for his benefit. Information imbalances (information asymmetry) often occur in agency relationships where there is a conflict of interest between the principal and the agent, known as a conflict of interest. Conflicts of interest arise from differences in interests, where the individual wants the agent to do what he or she wants to do, while the agent wants to do something to maximize his or her utility (Sarptra, 2018).

Conflicts of interest put the company on behalf of the company under various pressures to find ways to improve the company's performance so that the principal is valued (rationalized). If management has broad access (skills) and opportunities to increase profits, the door to fraud will be more open. The higher the return on investment (in the form of dividends) generated by the principal, the higher the agent's compensation (Sihombing & Rahardjo, 2014).

## **Fraud**

It is against the law and contains elements of intent, intent, deception, concealment, and abuse of trust (illegal interests) in the form of money, goods, or other property (Tuanakotta, 2013: 28).





# **Theory Fraud Triangle**



Figure 1.2Fraud Triangle

Source: https://www.textmining.nu/

In subsequent developments this hypothesis is better known as the fraud triangle or fraud triangle, as shown in Figure 1.2 above. The first angle of the triangle is called pressure. The corner of both, opportunity. The third angle, rationalization (Tuanakotta, 2018).

The pressure faced by a person to commit fraud can come from within the person or pressure from the environment. Financial pressure, pressure due to bad habits, and pressure from the work environment. In this study, the condition from the point of view of pressure uses the view of financial stability and external pressure.

a) Financial Stability (Financial Stability) is a condition that describes the company's financial condition in an unstable condition. Financial Stability is proxied by the rate of change in the company's total assets (ACCHANGE). ACHANGE can be calculated by the following formula:

$$ACHANGE = \frac{Total Assets_{t} - Total Assets_{t-1}}{Total Assets_{t-1}}$$

Description:

Total Assets = Total assets in year i (current year)

Total Assets = Total assets in the year before i

b) External Pressure (External Pressure) is a condition where management experiences excessive pressure to meet the requirements or expectations of third parties. External Pressure can be proxied by Leverage The higher the level of the Leverage, the higher the possibility of fraudulent financial statements (Sari, 2019). Leverage can be calculated by the formula as follows:





$$LEVERAGE = \frac{Total\ Debt}{Total\ Asset}$$

Opportunity is the second aspect that drives fraud. As quoted from Tuanakota (2010; 211), Cressey argues, there are two components of the perception of this opportunity. First, general information, which is knowledge that a position containing trust is violated without consequences. Second, the technical skills or skills needed to carry out the crime. Skousen et al stated that according to SAS No. 99 there are 3 general conditions that occur in fraudulent acts, namely the nature of industry, ineffective monitoring, and organizational structure. In this study, the nature of industry and ineffective monitoring are used in detecting fraudulent actions from the point of view of opportunity.

a) Nature of Industry, the management will focus on accounts receivable and inventory when committing fraud because accounts receivable require estimation and assessment in determining allowance for losses on receivables. Because in this account there are several methods that management can use to maximize profits. The measurement uses the ratio of changes in accounts receivable. Nature of industry is proxied by RECEIVABLE and can be calculated by formula.

$$RECEIVABLE = \frac{Receivables_t}{Sales_t} - \frac{Receivables_{t-1}}{Sales_{t-1}}$$

Description: Receivables t = Receivables in year t (current period)

Receivables  $_{t-1}$  = Receivables in the period before year t

Sales t =Sales in year i (current period)

Sales t-1 = Sales in the period before i

b) Monitoring Ineffective is a condition when the company does not have an effective supervisory unit in monitoring the company's performance. The role of independent commissioners is very necessary because they can be trusted in increasing the effectiveness of supervision to overcome conflicts of interest that often occur within the company, therefore the more the number of independent commissioners, the more effective the supervision of the company and reduce the level of risk of fraud in the financial statements. Ineffective monitoring is proxied by BDOUT which can be calculated by formula.





Rationalization is an important element in the occurrence of fraud, where perpetrators seek justification for their actions. The rationalization factor is described by an audit opinion. An audit opinion is an auditor's statement regarding the fairness of the financial statements of the audited entity. According to SPAP (Public Accountant Professional Standards), there are five types of audit opinions, including: Unqualified Opinion, Unqualified Opinion with Explanatory Paragraphs (Modified Unqualified Opinion), Adverse Opinion, and a Disclaimer of Opinion (Septi, 2019). Rationalization in its measurement can use the change in auditor. Change in Auditor shows whether there is an effect of changing or changing external auditors in a company that can be an indication of fraud. Change in Auditor can variable of dummy 1 if there is a change in the external auditor during 2017-2019 and dummy 0 if there is no change in the external auditor during 2017-2019.

# **Financial Statement Fraud**

Financial Statement Fraud is a deliberate misrepresentation or concealment in a number or disclosure in financial statements with the aim of deceiving users of financial statements (Sarpta, 2018). Financial statement fraud can be measured using the fraud score model where this model is the sum of two variables, namely the quality of accruals and financial performance. The following M-Score:

$$\begin{array}{ll} {\sf MScore} \ = \ -4.84 + 0.920 \ {\sf DSRI} + 0.528 \ {\sf GMI} + 0.404 \ {\sf AQI} + 0.892 \ {\sf SGI} + 0.115 \ {\sf DEPI} \\ -0.172 \ {\sf SGAI} - 0.327 \ {\sf LVGI} + 4.697 \ {\sf TATA} \end{array}$$

Where the M-Score uses a dummy as follows:

- 0 = value Beneish M-Score <-2.22 means that the company is not indicated to commit fraudulent financial reporting or is classified as a non-manipulator.
- 1 = Beneish M-Score > -2.22 means that the company is indicated to have committed fraudulent financial reporting or is classified as a manipulator.

M-Score can be measured using the financial ratio as follows:

Days Sales in Receivable Index = 
$$\frac{(Account Receivable_t/Sales_t)}{(Account Receivable_{t-1}/Sales_{t-1})}$$

The Days Sales in Receivable Index is used to measure whether income and receivables are in balance for two consecutive years.

$$Gross Margin Index = \frac{[(Sales_{t-1} - COGS_{t-1}/Sales_{t-1})]}{[(Sales_t - COGS_t)Sales_t]}$$





Gross Margin Index is used to compare gross profit in year t and in the previous year (t-1).

$$\text{Asset Quality Index} = \frac{[(1 - (\text{Current Asset}_t + \text{PPE}_t)/\text{Total Asset}_t]}{[(1 - (\text{Current Asset}_{t-1} + \text{PPE}_{t-1})/\text{Total Asset}_{t-1})] }$$

Asset Quality Index is used to comparing non-current assets other than fixed assets with the company's total assets in year (t) and the previous year.

$$Sales Growth Index = \frac{Sales_t}{Sales_{t-1}}$$

Sales Growth Index is used to compare sales in two periods. If SGI < 1 then there is a significant increase in sales. Means the possibility of overstatement in earnings

$$\label{eq:depreciation} \begin{aligned} \text{Depreciation}_{t-1} / (\text{PPE}_{t-1} + \text{Depreciation}_{t-1})] \\ \hline [\text{Depreciation}_t / (\text{PPE}_t + \text{Depreciation}_t)] \end{aligned}$$

Depreciation Index is used to compare depreciation expense on fixed assets before depreciation between periods OP

$$Sales \ General \ and \ Administrative \ Expenses \ Index = \frac{SG\&A \ Expenses_t/Sales_t}{SG\&A \ Expenses_{t-1}/Sales_{t-1}}$$

Sales General and Administrative Expenses Index is used to compare the selling, administrative and general expenses of sales between two periods.

$$Leverage\ Index = \frac{[(Current\ Liabilities_t + Long\ Term\ Debt_t)\ /Total\ Assets_t]}{[(Current\ Liabilities_{t-1} + Long\ Term\ Debt_{t-1})\ /Total\ Assets_{t-1}]}$$

Leverage Index is used to measure the ratio of the level of debt owned by the company to total assets from year to year.

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\label{eq:total Assets}  = \frac{ \text{(Net Income From Continuing Operations}_t + \text{Cash Flow Operation}_t ) }{ \text{Total Assets}_t }
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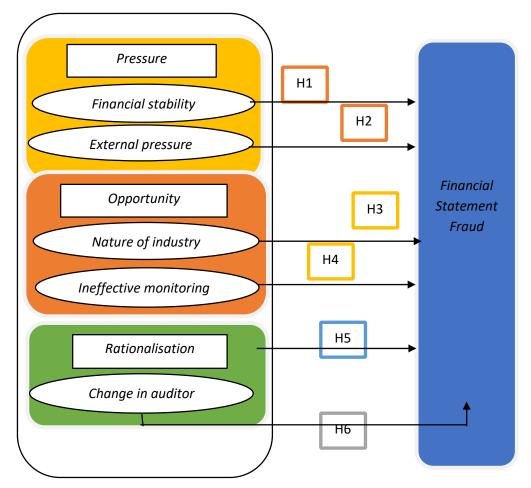




Total Accruals to Total Assets is used to measure the ratio of total accruals to total assets. Where total accruals are calculated as changes in working capital accounts other than cash and tax receivables minus depreciation.

# **Research Framework The**

Design of the framework aims to make it easier to understand the concept of research and the direction of the relationship of the independent variable to the dependent variable. This study uses five independent variables and one dependent variable. The theoretical framework used in this study shows a description of the independent proxy variables, namely financial stability, external pressure, nature of industry, ineffective monitoring, change in auditors. Affecting the dependent variable, namely financial statement fraud. The theoretical framework that can be formed is as seen below:



# **METHOD**

The subject of this survey is the financial statements of mining sector companies listed on the Indonesia Stock Exchange from 2018 to 2020. The subject of this survey was listed on the Indonesia Stock Exchange, issued financial reports for the 2018-2020 fiscal year, and obtained





a soft copy of the issuer's financial statements from the Indonesia Stock Exchange www.idx.co. All mining sector companies. Id and each website. Society. The sampling method used in this study is the target sampling method. The sample of this survey is 13 mining sector companies listed on the Indonesia Stock Exchange from 2018 to 2020. The nature of the data obtained from this study is quantitative. The data source for this study consists of secondary data.

The data analysis technique used in this study is a quantitative analysis technique using logistic regression analysis with the help of SPSS version 20. The data processing techniques used in this study include descriptive statistics, overall model fit, goodness fit model, the accuracy of the regression model, the logistic regression model formed, and the coefficient of determination, partial and simultaneous hypothesis testing.

The dependent variable of this study is the fraud financial statement. While the independent variables in this study are financial stability (ACHANGE), external pressure (LEVERAGE), nature of industry (RECEIVABLE), ineffective monitoring (BDOUT), change in auditor (AUDCHANGE).

# RESULT AND DISCUSSION

# Assessing the Feasibility of the Regression Model (Goodness of Fit)

This test can be seen in the significant value in the Hosmer and Lemeshow Goodness of Fit Test where the model is said to be able to predict the observation value if the statistical value on the Hosmer and Lemeshow Test <0.05. The results of the Hosmer and Lemeshow Goodness of Fit Test from this study are as follows:

**Hosmer and Lemeshow Test** 

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | 12,498     | 8  | ,130 |

Source: SPSS Output Version 20.0, 2022

Based on the table above, it shows that the statistical value of the Hosmer and Lemeshow Test is 12,498 with a significant profitability value of 0.130. Thus, the statistical value of Hosmer and Lemeshow Test 0.130 > 0.05, the profitability value, so it can be concluded that  $H_0$  is accepted, which means that the regression model shows no difference between the logistic regression estimation data and the logistic regression observation data.

# Assessing the Accuracy of the Regression Model

In assessing the accuracy of the regression model, it can be described by a classification table that shows the predictive power of the regression model to predict the dependent variable as follows:





|      | Classification Table <sup>a,b</sup> |                    |             |             |            |  |  |  |  |
|------|-------------------------------------|--------------------|-------------|-------------|------------|--|--|--|--|
|      | Observed                            |                    | Predicted   |             |            |  |  |  |  |
|      | 1                                   |                    | MSCORE      |             | Percentage |  |  |  |  |
|      |                                     |                    | Non-        | Manipulator | Correct    |  |  |  |  |
|      |                                     |                    | Manipulator |             |            |  |  |  |  |
| Step | MSCORE                              | Non<br>manipulator | 0           | 17          | ,0         |  |  |  |  |
| 0    |                                     | Manipulator        | 0           | 22          | 100.0      |  |  |  |  |
|      | Overall Perc                        | entage             |             |             | 56.4       |  |  |  |  |

Source: SPSS Output Version 20.0, 2022

From the results shown in the table above, the percentage for the prediction accuracy of the overall regression model is 56.4%.

# **Assessing the Overall Model**

In this study, in assessing the overall model, we can use the value of Log Likehood and Cox and Snell's R Square. The results of the -2LL test are as follows:

| Iteration History <sup>a,b,c</sup> |   |                   |              |  |  |  |
|------------------------------------|---|-------------------|--------------|--|--|--|
| Iteration                          |   | -2 Log likelihood | Coefficients |  |  |  |
|                                    |   |                   | Constant     |  |  |  |
| Ston                               | 1 | 53,423            | ,256         |  |  |  |
| Step                               | 2 | 53,423            | ,258         |  |  |  |
| U                                  | 3 | 53,423            | ,258         |  |  |  |

Source: SPSS Output Version 20.0, 2022

The table above is the -2LL table at the beginning (Block Number = 0) which only includes constants, showing the value 53.423. After entering the independent variables into the model, the final -2LL table shows the following results:

| Iteration History <sup>a,b,c,d</sup> |   |            |             |              |       |        |         |      |  |  |
|--------------------------------------|---|------------|-------------|--------------|-------|--------|---------|------|--|--|
| Iteration                            |   | -2 Log     | Coefficient | Coefficients |       |        |         |      |  |  |
|                                      |   | likelihood | Constant    | X1           | X2    | X3     | X4      | X5   |  |  |
|                                      | 1 | 36,843     | 2,889       | -7,461       | 1,976 | -,846  | -8,266  | ,575 |  |  |
|                                      | 2 | 34,682     | 3,307       | -11,242      | 3,629 | -1,175 | -10,609 | ,596 |  |  |
| Stop 1                               | 3 | 34,449     | 3,419       | -13,016      | 4,377 | -1,307 | -11,433 | ,580 |  |  |
| Step 1                               | 4 | 34,444     | 3,433       | -13,318      | 4,489 | -1,328 | -11,540 | ,576 |  |  |
|                                      | 5 | 34,444     | 3,433       | -13,325      | 4,492 | -1,328 | -11,542 | ,576 |  |  |
|                                      | 6 | 34,444     | 3,433       | -13,325      | 4,492 | -1,328 | -11,542 | ,576 |  |  |

Source: SPSS Output Version 20.0, 2022

The table above is a table of -2LL at the end (Block Number =1). After entering the independent variable into the research model, the value shown is 34,444 then the value of -2LL has





decreased by 18,978 (53.423-34,444). This shows that the regression model is said to be feasible or in other words the hypothesized model fits the data or the results can be verified through the following table:

| Omnibus Tests of Model Coefficients |       |        |   |      |  |  |  |
|-------------------------------------|-------|--------|---|------|--|--|--|
| Chi-square df Sig.                  |       |        |   |      |  |  |  |
|                                     | Step  | 18,978 | 5 | ,002 |  |  |  |
| Step 1                              | Block | 18,978 | 5 | ,002 |  |  |  |
| -                                   | Model | 18,978 | 5 | ,002 |  |  |  |

Source: SPSS Output Version 20.0, 2022

Based on the table shows the Chi-Square value of 18.978 with a significance value of 0.002With a significance value of 0.002, it can also prove that the value is <0.05 which indicates that the overall regression model is declared feasible.

# **Logistics Regression Model Formed**

The dependent variable in this logistic regression model is the probability of the company's decision to practice financial statement fraud. The results of hypothesis testing from this study can be explained in the following table:

| Variables in the Equation |          |         |       |       |    |      |        |        |              |
|---------------------------|----------|---------|-------|-------|----|------|--------|--------|--------------|
|                           |          | В       | S.E.  | Wald  | df | Sig. | Exp(B) | 95% C. | I.for EXP(B) |
|                           |          |         |       |       |    |      |        | Lower  | Upper        |
|                           | X1       | -13,325 | 4,712 | 7,997 | 1  | ,005 | ,000   | ,000   | ,017         |
|                           | X2       | 4,492   | 2,995 | 2,249 | 1  | ,134 | 89,267 | ,252   | 31649,904    |
| Stop 1a                   | X3       | -1,328  | ,558  | 5,656 | 1  | ,017 | ,265   | ,089   | ,792         |
| Step 1 <sup>a</sup>       | X4       | -11,542 | 6,691 | 2,976 | 1  | ,085 | ,000   | ,000   | 4,816        |
|                           | X5       | ,576    | 1,181 | ,238  | 1  | ,626 | 1,778  | ,176   | 17,991       |
|                           | Constant | 3,433   | 2,584 | 1,766 | 1  | ,184 | 30,971 |        |              |

Source: SPSS Output Version 20.0, 2022

The test results on the logistic regression coefficients produce the following regression models:

FRAUD = 3.433 – 13,325 ACHANGE + 4.492 LEVERAGE – 1.328 RECEIVABLE – 11,542 BDOUT + 0.576 AUDCHANGE + e





# **Coefficient of Determination**

The output results of the coefficient of determination can be described in the following table:

| Model Summary |  |                      |                     |  |  |  |  |  |
|---------------|--|----------------------|---------------------|--|--|--|--|--|
| Step          | -2 Log likelihood                      | Cox & Snell R Square | Nagelkerke R Square |  |  |  |  |  |
| 1             | 1 34,444 <sup>a</sup> ,385 ,517        |                      |                     |  |  |  |  |  |
| Source:       | Source: SPSS Output Version 20.0, 2022 |                      |                     |  |  |  |  |  |

Based on the table above, it can be concluded that the results of the logistic regression analysis as a whole show the Cox & Snell R Square of 0.385 or 38, 5%. The Nagelkerke R Square in this study was 0.517 or 51.7%.

# **Partial Hypothesis Testing The**

Following is a summary of the Variable of Equation output regarding the partial effect of the independent variable on the dependent variable:

| Variables in the Equation |          |         |       |       |    |      |        |                   |           |
|---------------------------|----------|---------|-------|-------|----|------|--------|-------------------|-----------|
|                           |          | В       | S.E.  | Wald  | df | Sig. | Exp(B) | 95% C.I.for EXP(B |           |
|                           |          |         |       |       |    |      |        | Lower             | Upper     |
|                           | X1       | -13,325 | 4,712 | 7,997 | 1  | ,005 | ,000   | ,000              | ,017      |
|                           | X2       | 4,492   | 2,995 | 2,249 | 1  | ,134 | 89,267 | ,252              | 31649,904 |
| Cton 1a                   | X3       | -1,328  | ,558  | 5,656 | 1  | ,017 | ,265   | ,089              | ,792      |
| Step 1 <sup>a</sup>       | X4       | -11,542 | 6,691 | 2,976 | 1  | ,085 | ,000   | ,000              | 4,816     |
|                           | X5       | ,576    | 1,181 | ,238  | 1  | ,626 | 1,778  | ,176              | 17,991    |
|                           | Constant | 3,433   | 2,584 | 1,766 | 1  | ,184 | 30,971 |                   |           |

Source: SPSS Output Version 20.0, 2022

Based on the output results in the table above, it can be concluded that financial stability has a negative effect on financial statement fraud, external pressure has no effect on financial statement fraud, nature of industry has a negative effect on financial statement fraud, ineffective monitoring has no effect on financial statement fraud, and change in auditors does not affect the financial statement fraud.

# **Simultaneous Hypothesis Testing**

Following is a summary of the output regarding the simultaneous effect of independent variables on the dependent variable:

| <b>Omnibus Tests of Model Coefficients</b> |       |        |   |      |  |  |  |
|--|-------|--------|---|------|--|--|--|
| Chi-square df Sig.                         |       |        |   |      |  |  |  |
|  | Step  | 18,978 | 5 | ,002 |  |  |  |
| Step 1                                     | Block | 18,978 | 5 | ,002 |  |  |  |
|  | Model | 18,978 | 5 | ,002 |  |  |  |

Source: SPSS Output Version 20.0, 2022





It can be concluded that the significance value is 0.002 < 0.05, this means that  $H_0$  rejected and  $H_1$  accepted. So it can be concluded that financial stability, external pressure, nature of industry, infective monitoring, and change in auditors have a simultaneous effect on financial statement fraud.

#### **CONCLUSION**

In this study it can be concluded that: Partially financial stability has a negative effect on financial statement fraud, Partially external pressure has no effect on financial statement fraud, Partially nature of industry has a negative effect on financial statement fraud, Partially infective monitoring does not effect on financial statement fraud, Partially change in auditor has no effect on financial statement fraud, Variables financial stability, external pressure, nature of industry, infective monitoring, change in auditor have a simultaneous effect on financial statement fraud.

Users of financial statements should pay attention to financial stability and nature of the industry as a fraud detector in financial statements, because these ratios have been proven to be used as indicators of financial statement fraud in this study. Future researchers are expected to be able to increase the time period of the financial statements under study and add to the research sector so that it is not limited to only one sector and the results obtained are able to reflect the actual conditions and be able to use other variables to analyze fraud in financial statements.

#### REFERENCES

Abdullahi, R., & Mansor, N. (2018). Fraud prevention initiatives in the Nigerian public sector: Understanding the relationship of fraud incidences and the elements of fraud triangle theory. Journal of Financial Crime, 25(2), 527–544. https://doi.org/10.1108/JFC-02-2015-0008

Aboud, A., & Robinson, B. (2020). Fraudulent financial reporting and data analytics: an explanatory study from Ireland. Accounting Research Journal. https://doi.org/10.1108/ARJ-04-2020-0079

ACFE. (2019). INDONESIA FRAUD SURVEY 2019.

ACFE. (2020). Report To The Nation's 2020 GLOBAL STUDY ON OCCUPATIONAL FRAUD AND ABUSE.

Acharya, AS, Prakash, A., Saxena, P., & Nigam, A. (2013). Sampling: why and how of it? Indian Journal of Medical Specialties, 4(2). https://doi.org/10.7713/ijms.2013.0032

Adnovaldi, Y., & Wibowo, W. (2019). DIAMOND FRAUD DETERMINANT ANALYSIS OF FRAUDULENT FINANCIAL STATEMENT DETECTION. JOURNAL OF INFORMATION, TAXATION, ACCOUNTING, AND PUBLIC FINANCE, 14(2), 125. https://doi.org/10.25105/jipak.v14i2.5195

Akbar, A. (2020). The Role of Online Service Quality in Enhancing Customer Satisfaction: An Empirical Investigation of Pakistani Banks. Environmental Degradation and Public Health Spending View project Sustainable Development through Frugal Innovation-A Challenge or an Opportunity? View projects. In Article in International Journal of Business and Management. https://www.researchgate.net/publication/346084844

AkromFaradiza, S., & Suyanto. (2017). Fraud Diamond: Financial Statement Fraud Detector.

Albrecht, WS, Albrecht, CO, Albrecht, CC, & Zimbelmen, MF (2016). Fraud Examination (5th ed.).

Amin, SN (2018). Fraud detection of financial statement by using fraud diamond perspective. In International Journal of Development and Sustainability (Vol. 7, Issue 3). www.isdsnet.com/ijds





Anjani, L. (2019). FRAUD TRIANGLE THEORY AND CORPORATE GOVERNANCE AS FRAUD DETECTION OF FINANCIAL STATEMENTS.

Ardiyani, S., &Utaminingsih, NS (2015). Accounting Analysis Journal ANALYSIS OF FINANCIAL STATEMENT DETERMINANTS THROUGH THE FRAUD TRIANGLE APPROACH. AAJ, 4(1), 1-10. http://journal.unnes.ac.id/sju/index.php/aaj

Bakri, HHM, Mohamed, N., & Said, J. (2017). Mitigating asset misappropriation through integrity and fraud risk elements: Evidence of emerging economies. Journal of Financial Crime, 24(2), 242–255. https://doi.org/10.1108/JFC-04-2016-0024

Beasley, MS, Carcello, J. v, & Hermanson, DR (1999). Fraudulent financial reporting: 1987-1997: an analysis of US public companies: research report. https://egrove.olemiss.edu/aicpa\_assoc

Beneish, MD (1999). The Detection of Earnings Manipulation Comments Welcome.

Ch Jamil, M., &Priyandani Yudowati, S. (nd). PENGARUH FRAUD TRIANGLE TERHADAP KECURANGAN LAPORAN KEUANGAN (Studi Kasus pada Perusahaan Pertambangan yang Terdaftar di Bursa Efek Indonesia pada Periode Tahun 2013-2017) THE EFFECT OF TRIANGLE FRAUD ON FRAUDULENT FINANCIAL STATEMENTS (Study on Mining Companies Listed on The Indonesia Stock Exchange Period 2013-2017).

Deloitte Forensic Center. (2007a). Ten things about financial statement fraud: A review of SEC enforcement releases. 2000–2006.

Deloitte Forensic Center. (2007b). Ten things about financial statement fraud: A review of SECenforcement releases, 2000–2006.

Ebeto, C. (2017). Biometrics & Biostatistics International Journal Sampling and Sampling Methods. Biometrics & Biostatistics International Journal, 5(6). https://doi.org/10.15406/bbij.2017.05.00149

Empiris, S., Perusahaan, P., Pertambangan Yang Terdaftar, S., Efek, B., Nuryuliza1, S., &Triyanto, DN (2015). THE EFFECT OF FRAUD TRIANGLE ON FRAUDELENT FINANCIAL STATEMENT (Empirical Study on Mining Sectors Companies Listed on Indonesia Stock Exchange for the period 2015-2017).

Foreword, ZR, & Wells, JT (nd). Financial Statement Fraud: Prevention and Detection.

Fraser, LM, & Ormiston, Aileen. (2010). Understanding financial statements. Prentice Hall.

fraudtriangle. (nd).

Golden, TW, Skalak, SL, & Clayton, MM (2006). A guide to forensic accounting investigation. J. Wiley.

Hall, J., & Singleton, T. (2007). Audit dan Assurance TeknologiInformasi (N. Setyaningsinh, Ed.; 2nd ed., Vol. 2). SalembaEmpat.

Hox, JJ, &Boeije, HR (2005). Data Collection, Primary vs. Secondary. Encyclopedia of Social Measurement, 1.

Irsutami, &Sapriadi, R. (2020). MendeteksiKecuranganLaporanKeuanganMenggunakan Model Beneish. Journal of Applied Accounting and Taxation, 5, 36–49.

Jahan, I., & Islam, M. (2018). Project Report on Application of Beneish Model On Selected Financial Statements.

Jensen, MC, &Meckling, WH (1976a). THEORY OF THE FIRM: MANAGERIAL BEHAVIOR, AGENCY COSTS AND OWNERSHIP STRUCTURE. In Journal of Financial Economics (Vol. 3). Q North-Holland Publishing Company.

Jensen, MC, &Meckling, WH (1976b). THEORY OF THE FIRM: MANAGERIAL BEHAVIOR, AGENCY COSTS AND OWNERSHIP STRUCTURE. In Journal of Financial Economics (Vol. 3). Q North-Holland Publishing Company.







Kartikasari, RN, &irianto, N. (2010). PENERAPAN MODEL BENEISH (1999) DAN MODEL ALTMAN (2000)DALAM PENDETEKSIAN KECURANGAN LAPORAN KEUANGAN. JurnalAkuntansiMultiparadigma, 1.

Kesimli, I. (2016). Reorganisation problems of the auditing firms in the Post-Sarbanes Oxley Era: Quality concern and Turkey. Developments in Corporate Governance and Responsibility, 9, 155–168. https://doi.org/10.1108/S2043-052320160000009007

Koornhof, C., & du Plessis, D. (2000). Red flagging as an indicator of financial statement fraud: The perspective of investors and lenders. Meditari Accountancy Research, 8(1), 69–93. https://doi.org/10.1108/10222529200000005

Kusuma Rachmawati, K., &Marsono. (2014). PENGARUH FAKTOR-FAKTOR DALAM PERSPEKTIF FRAUD TRIANGLE TERHADAP FRAUDULENT FINANCIAL REPORTING (StudiKasus pada Perusahaan BerdasarkanSanksidariBapepamPeriode 2008-2012). DIPONEGORO JOURNAL OF ACCOUNTING, 3(2). http://ejournal-s1.undip.ac.id/index.php/accounting

Lane, R., & O'Connell, BT (2009). The changing face of regulators' investigations into financial statement fraud. Accounting Research Journal, 22(2), 118–143. https://doi.org/10.1108/10309610910987484

Liou, FM (2008). Fraudulent financial reporting detection and business failure prediction models: A comparison. Managerial Auditing Journal, 23(7), 650–662. https://doi.org/10.1108/02686900810890625

Lister, LM (2007). A practical approach to fraud risk: comprehensive risk assessments can enable auditors to focus antifraud efforts on areas where their organization is most vulnerable. Institute of Internal Auditors, Inc., 64(6), 1–31.

Lokanan, M., Tran, V., & Vuong, NH (2019a). Detecting anomalies in financial statements using machine learning algorithm: The case of Vietnamese listed firms. Asian Journal of Accounting Research, 4(2), 181–201. https://doi.org/10.1108/AJAR-09-2018-0032

Lokanan, M., Tran, V., & Vuong, NH (2019b). Detecting anomalies in financial statements using machine learning algorithm: The case of Vietnamese listed firms. Asian Journal of Accounting Research, 4(2), 181–201. https://doi.org/10.1108/AJAR-09-2018-0032

Lou, Y.-I., & Wang, M.-L. (2009). Fraud Risk Factor of the Fraud Triangle Assessing the Likelihood of Fraudulent Financial Reporting. Journal of Business & Economics Research, 7(2).

Lu, W., & Zhao, X. (2020). Research and improvement of fraud identification model of Chinese A-share listed companies based on M-score. Journal of Financial Crime, 28(2), 566–579. https://doi.org/10.1108/JFC-12-2019-0164

Md Nasir, NA binti, Ali, MJ, Razzaque, RMR, & Ahmed, K. (2018a). Real earnings management and financial statement fraud: evidence from Malaysia. International Journal of Accounting and Information Management, 26(4), 508–526. https://doi.org/10.1108/IJAIM-03-2017-0039

Md Nasir, NA binti, Ali, MJ, Razzaque, RMR, & Ahmed, K. (2018b). Real earnings management and financial statement fraud: evidence from Malaysia. International Journal of Accounting and Information Management, 26(4), 508–526. https://doi.org/10.1108/IJAIM-03-2017-0039

MudithSujeewa, G., &Kawshalya, P. (2020). DETECTING RED FLAGS OF CORPORATE FINANCIAL STATEMENT FRAUDS USING BENEISH M SCORE MODEL IN SRI LANKA. In International Journal of Accounting & Business Finance (Vol. 6, Issue 2).

Nasir, NABM, Ali, MJ, & Ahmed, K. (2019a). Corporate governance, board ethnicity and financial statement fraud: evidence from Malaysia. Accounting Research Journal, 32(3), 514–531. https://doi.org/10.1108/ARJ-02-2018-0024







Nasir, NABM, Ali, MJ, & Ahmed, K. (2019b). Corporate governance, board ethnicity and financial statement fraud: evidence from Malaysia. Accounting Research Journal, 32(3), 514–531. https://doi.org/10.1108/ARJ-02-2018-0024

Omukaga, KO (2020a). Is the fraud diamond perspective valid in Kenya? Journal of Financial Crime, 28(3), 810–840. https://doi.org/10.1108/JFC-11-2019-0141

Omukaga, KO (2020b). Is the fraud diamond perspective valid in Kenya? Journal of Financial Crime, 28(3), 810–840. https://doi.org/10.1108/JFC-11-2019-0141

Omukaga, KO (2020c). Is the fraud diamond perspective valid in Kenya? Journal of Financial Crime, 28(3), 810–840. https://doi.org/10.1108/JFC-11-2019-0141

Ozcelik, H. (2020). An Analysis of Fraudulent Financial Reporting Using the Fraud Diamond Theory Perspective: An Empirical Study on the Manufacturing Sector Companies Listed on the Borsa Istanbul (pp. 131–153). https://doi.org/10.1108/s1569-375920200000102012

Putri, N. (2019). PENGARUH FINANCIAL STABILITY, FINANCIAL TARGETS, EXTERNAL PRESSURE, NATURE OF INDUSTRY, CHANGE IN AUDITOR, DAN CHANGE OF BOARD OFDIRECTOR TERHADAPFINANCIAL STATEMENT FRAUDDALAM PERSPEKTIF FRAUD DIAMOND (STUDI PADA PERUSAHAAN MANUFAKTUR YANG TERDAFTAR DI BURSA EFEK INDONESIA TAHUN 2016 – 2018).

Rae, K., & Subramaniam, N. (2008). Quality of internal control procedures: Antecedents and moderating effect on organisational justice and employee fraud. Managerial Auditing Journal, 23(2), 104–124. https://doi.org/10.1108/02686900810839820

Repousis, S. (2016). Using Beneish model to detect corporate financial statement fraud in Greece. Journal of Financial Crime, 23(4), 1063–1073. https://doi.org/10.1108/JFC-11-2014-0055

Ruankaew, T. (2016). Beyond the Fraud Diamond. www.ijbmer.com

Ruankaew, T., & of Accounting, P. (nd-a). Beyond the Fraud Diamond. www.ijbmer.com

Ruankaew, T., & of Accounting, P. (nd-b). Beyond the Fraud Diamond. www.ijbmer.com

Sayidah, N., Assagaf, A., Hartati, SJ, & Muhajir. (2019). AkuntansiForensik dan Audit Investigatif (Vol. 1). ZifatamaJawara.

Septriani, Y., & Desi Handayani, dan. (2018). MendeteksiKecuranganLaporanKeuangandenganAnalisis Fraud Pentagon (Vol. 11, Issue 1). http://jurnal.pcr.ac.id

Sihombing, KS, &Rahardjo, SN (2014). ANALISIS FRAUD DIAMOND DALAM MENDETEKSI FINANCIAL STATEMENT FRAUD: STUDI EMPIRIS PADA PERUSAHAAN MANUFAKTUR YANG TERDAFTAR DI BURSA EFEK INDONESIA (BEI) TAHUN 2010-2012. DIPONEGORO JOURNAL OF ACCOUNTING, 03, 1–12. http://ejournal-s1.undip.ac.id/index.php/accounting

Skousen, CJ, Smith, KR, & Wright, CJ (2009). Detecting and predicting financial statement fraud: The effectiveness of the fraud triangle and SAS No. 99. Advances in Financial Economics, 13, 53–81. https://doi.org/10.1108/S1569-3732(2009)0000013005

Sugino, A., & Untung, E. (2016). PANDUAN PRAKTIS DASAR ANALISA LAPORAN KEUANGAN (Adipramono, Ed.). PT. Grasindo.

Suryadi, A., Rasulli, M., &Indrawati, N. (2017). PENDETEKSIAN KECURANGAN LAPORAN KEUANGAN DENGAN METODE FRAUDTRIANGLEDAN SAS NO. 99. Jurnal Ekonomi, 25.

Tarjo, & Herawati, N. (2015). Application of Beneish M-Score Models and Data Mining to Detect Financial Fraud. Procedia - Social and Behavioral Sciences, 211, 924–930. https://doi.org/10.1016/j.sbspro.2015.11.122







Tkachenko, L., Andrey, E., Pozdeeva, G., &Romanyuk, V. (2020). Modern approaches of detecting financial statement fraud. SHS Web of Conferences, 80, 01024. https://doi.org/10.1051/shsconf/20208001024

Umar, M., Sitorus, SM, Surya, RL, Shauki, ER, &Diyanti, V. (2017a). Pressure, dysfunctional behavior, fraud detection and role of information technology in the audit process. Australasian Accounting, Business and Finance Journal, 11(4), 102–115. https://doi.org/10.14453/aabfj.v11i4.8

Umar, M., Sitorus, SM, Surya, RL, Shauki, ER, &Diyanti, V. (2017b). Pressure, dysfunctional behavior, fraud detection and role of information technology in the audit process. Australasian Accounting, Business and Finance Journal, 11(4), 102–115. https://doi.org/10.14453/aabfj.v11i4.8

Vanasco, RR (1998). Fraud auditing. Managerial Auditing Journal, 13(1), 4–71. https://doi.org/10.1108/02686909810198724

Wahyudiono, B. (2014). MudahMembacaLaporanKeuangan (Andriansyah, Ed.; Vol. 1). RAIH ASA SUKSES.

Yossi, S., &Handayani, D. (2018). MendeteksiKecuranganLaporanKeuangandenganAnalisis Fraud Pentagon (Vol. 11, Issue 1). http://jurnal.pcr.ac.id

Zhu, J., & Gao, SS (2011). Fraudulent financial reporting: Corporate behavior of Chinese listed companies. Research in Accounting in Emerging Economies, 11(1), 61–82. https://doi.org/10.1108/S1479-3563(2011)0000011008

