

Implication of Internal Audit Quality, Job Satisfaction, Asimetric Information and Good Governance on Accounting Fraudulent Tendency

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Abstract

The accounting fraudulent tendency has developed in various countries, including in Indonesia with the corruption perception index in 2017 ranked 96 out of 180 countries in the world. This study aims to examine whether the influence of internal audit quality, job satisfaction, Asimetric Information, Good Corporate Governance towards accounting fraudulent tendency. The population in this study consisted of bank employees at BTN KC, BNI KC, BRI Syariah KC and BCA KCP in Tangerang. The sampling method used is simple random sampling. The data type used is primary data obtained from the results of the questionnaire answers by the sample. Smart Partial Least Square (SmartPLS) path modeling method is used as an analysis method. The results of this study indicate that internal audit quality has a negative influence on accounting fraudulent tendency. The relationship between the Internal Audit Quality variable and Accounting Fraudulent Tendency is equal to -0.353 with a T-statistic value of 2.827 > 1.98, Ho is rejected and Ha is accepted. Job satisfaction has a negative influence on accounting fraudulent tendency. The relationship between Job Satisfaction variable and Accounting Fraudulent Tendency is equal to -0.519 with a T-statistic value of 3.489 > 1.98, Ho is rejected and Ha is accepted. Asimetric Information has no influence on accounting fraudulent tendency. the relationship between Asymmetric Information variable and Accounting Fraudulent Tendency is equal to 0.163 with a T-statistic value of 1.477 < 1.98, Ho is accepted and Ha is rejected.

Good Corporate Governance has no influence on accounting fraudulent tendency. The relationship between Good Governance variables and Accounting Fraudulent Tendency is equal to 0.040 with a T-statistic value of 0.468 < 1.98, Ho is accepted and Ha is rejected.

Keywords: internal audit quality, job satisfaction, asimetric information, good corporate governance, accounting fraudulent tendency..

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INTRODUCTION

Accounting fraud has attracted a lot of media attention and has become a trending topic and important in the eyes of both internal and external parties. The accounting fraudulent tendency has developed in various countries, including in Indonesia with the corruption perception index in 2017 ranked 96 out of 180 countries in the world (<https://www.transparency.org> on February 15 2018) [1]. Indonesia has experienced a decline in rank, where in 2016 Indonesia was ranked 90th out of 180 countries in the world (<https://www.transparency.org> on 25

January 2017) [2]. Evidence of accounting fraud in Indonesia includes the liquidation of several banks, embezzlement of cash receipts, theft of company assets, price mark-ups, informal transactions, and so on.

Internal audit quality is still in the spotlight because internal auditors are in the organization / company and get benefits by the company so that independence and objectivity, professional ability, scope of work, and the implementation of partial audits of internal auditors are sometimes still in doubt. Many audit findings were not detected by the Internal Audit

Unit (SPI) as an internal audit, but were discovered by the Financial Supervisory Agency (BPK) as an external audit. This shows that the internal audit quality is relatively poor. The case of fraud committed by one of the bank's employees was a case at Bank Central Asia (BCA) in December 2011 with a fraud case in terms of passing a fictitious loan application made by a BCA employee as a Senior Account Officer with the task of analyzing the credit submitted by the customer with cooperating with a residential property broker, the case is a case of mark up disbursing credit loans with fictitious and fictitious documents as an effort to disburse funds by pledging fake assets to the bank of 25 billion rupiah through intermediaries of bank employees who do not carry out inspection procedures accordingly standard rules that apply to approve the fictitious credit application (<http://beritasatu.com, 3/4/2014>).

Job satisfaction is one of the important factors to determine employee performance in an agency or company. According to Zainal *et al.*, [3] states that job satisfaction is an assessment of workers about how far their overall work satisfies their needs. organizational needs are usually associated with money, because money can meet a person's life needs to buy clothing, food, and shelter.

Suginam [4] examined the influence of the role of internal audit on fraud prevention. The results of the study prove that the internal audit of the company has a large role in the company to control and evaluate the activities of the company, especially in the prevention of fraud. Supported by research conducted by Abdi Saputra [5] regarding the influence of internal control systems, internal audit and the application of good corporate governance to banking fraud. The results of the study prove that the influence of the internal control system, internal audit and the application of good corporate governance have a significant negative effect on banking fraud. Another study conducted by Parasmita Ayu Putri [6] on the effect of the effectiveness of internal control and job satisfaction on the tendency of accounting fraudulent tendency revealed that the effectiveness of internal control and job satisfaction had a significant negative effect on accounting fraudulent tendency. Organizational managers know more internal information than the users of financial statements, so these conditions can make certain managers more free or have the opportunity to manipulate the financial statements presented due to the ignorance of external users about the numbers of actual financial statements [7].

Agency theory is the basis of the theory underlying the company's business practices that have been used so far. The theory is coming from the synergy of economic theory, decision theory, sociology, and organizational theory. In this study, researchers used agency theory proposed by Jensen and Meckling [8] which states that agency theory can explain the

relationship that occurs between owners and shareholders (principal) with management (agents). In the case of accounting fraud, one form of conflict underlying the occurrence of fraud is due to differences in interests between the principal and the agent running the company. This theory was put forward by Jack Bologna, which was also disclosed in the 1999 National Corruption Eradication Strategy book by BPKP [9]. There are four driving factors for someone cheating, known as the GONE theory, namely: Greed (greed), Opportunity (opportunity), Need (need), and Exposure (disclosure).

HYPOTHESIS

According to J. Supranto [20] the hypothesis is a proposed condition or principle that is assumed to be true and perhaps without the conviction to be pulled a logical consequence and in this way then tested the truth by using the facts (data) that exist quantitatively, the hypothesis can also mean the statement of a parameter that is temporarily considered correct.

This study examines whether there is an influence between internal audit quality, job satisfaction, asymmetric information, good corporate governance towards accounting fraudulent tendency. Internal audit is an examination conducted by the company's internal audit section, on the company's financial statements and accounting records as well as compliance with predetermined top management policies and adherence to government regulations and the provisions of applicable professional [10]. This research is supported by Suginam Ginam [4] in his research stating that internal audit companies have a large role in the company to control and evaluate the activities of the company's activities, especially in the prevention of fraud. Supported also by Abdi Saputra [5] the results of the study prove that internal audit has a significant negative effect on banking fraud. According to Mappanyukki [11] states that the control environment, risk assessment, control activities, information and communication and joint monitoring together have a positive and significant effect on prevention of fraud.

H₁: Internal Audit Quality to Accounting Fraudulent Tendency

Job satisfaction is a feeling that arises in an employee, if the work done is sufficient when compared to the standards of work that have been established [12]. The results of the research conducted by Putri [6] revealed that job satisfaction had a significant negative effect on accounting fraud tendencies. Company should create job satisfaction among the employee, such as giving the incentive to employee. According to Surjandari [13] "making evaluation in Performance Incentive not only based to the level of officer also take into account the competence, seniority, honesty, fairness distribution and the performance it self."

H2: Job Satisfaction to Accounting Fraudulent Tendency

Asymmetry Information is a situation where there is a misalignment of information between parties who have or provide information with parties who need information [14]. Organizational managers are more aware of internal information compared to users of financial statements, so that these conditions can make certain managers more flexible or have the opportunity to manipulate financial statements presented due to ignorance of external users about the actual financial statements [7].

H3: Asymmetry Information to Accounting Fraudulent Tendency

The Forum for Corporate Governance in Indonesia (FCGI) defines Good Governance as a set of rules that establish relations between government, employees and other internal and external stakeholders in relation to their rights and obligations, or can be said as a system that directs and controls the company or entity [15]. The higher the effectiveness of the internal control system, the lower the fraud that occurs.

H4: Good Governance to Accounting Fraudulent Tendency

RESEARCH METHODS

The variables tested through questionnaires are variables internal audit quality, job satisfaction, asymmetric information, good corporate governance with

Table-1: Questionnaire Distribution

No	Agency	Distributed questionnaire	Returning questionnaire
1.	BNI	30	21
2.	BRIS	35	33
3.	BTN	30	20
4.	BCA	15	14

Sumber: Data primer

Analisis data yang digunakan adalah *Partial Least Square* (PLS) yang terdiri dari *Outer model*

the measurement method used is likert scale. Researchers will use the concept of Structural Equation Modeling (SEM) for this study. Structural Equation Modeling (SEM) is a multivariate technique that combines aspects of factor analysis and multiple regression analysis that allows researchers to simulate a series of dependent relationships between measured variables and latent constructs as well as between latent constructs [16].

The influence of a latent variable that influences the relationship between an independent latent variable and dependent latent variable is called Moderated Structural Equation Modeling [17].

This research is supported by Smart PLS 3.0 program as a means of testing statistical data to determine the level of significance of the relationship of variables studied where:

- The sample does not have to be large
- Does not require very strict assumptions
- Application method is emphasized to predict the response variable rather than the shape of the model.

DATA SOURCES

The population in this study were BTN KC, BNI KC, BRI Syariah KCP and BCA BCA Branch KCP, Banten Province. The sampling technique used in this study is the Purposive Sampling technique. The distribution of the questionnaire was carried out directly by delivering to 4 banks a total of 110 questionnaires. A summary of the number of shipments and returns of questionnaires in this study can be seen in Table-1.

(Model Measurement) dan *Inner Model* (Model Structural)

Table-2: Research Definition and Operations

	Variable	Indicator	Measurement Scale
X	Dependent Variable		
X1	Audit Internal Quality	a. quality of audit work b. Organizational independence c. Careers and progress d. Top management Support	Ordinal Scale Measured by 5-point Likert scale
X2	Job Satisfaction	a. The work itself b. Salary c. Promotion opportunity d. Boss e. Co-workers	Ordinal Scale Measured by 5-point Likert scale
X3	Asimetris Information	a. Jobs in accounting, only internal parties that know all the information relating to company transactions and have financial impact. b. Only an internal party agency understands the entire relationship between financial transaction data and the process of preparing financial statements. c. Only internal parties that know and understand the contents and numbers in the financial statements that have been completed d. Only internal parties that understand financial reporting. e. Only internal parties of agencies know the factors that influence financial reporting activities. f. Only internal parties of agencies that know the actual content and numbers and financial statements prepared.	Ordinal Scale Measured by 5-point Likert scale
X4	Good Governance	a. Each field and employee has the ability according to their duties, responsibilities, and respective roles b. Each field adheres to the principles of caution in carrying out their respective duties and functions. c. Providing opportunities for parties who have an interest in providing input and opinions for the interests of the agency d. Compliance with agency regulations. e. In carrying out their duties and responsibilities, always adhere to agreed ethics and code of conduct.	Ordinal Scale Measured by 5-point Likert scale
Y	Variabel Independen		
Y	Accounting Fraudulent Tendency	1. recording revenue to soon 2. recording bogus fictitious revenue 3. boosting income with one time gains 4. shifting current expense to a later of ealier period 5. failing to disclouse liabilities 6. shifting current income to a later period 7. shifting future expense into the current periode	Ordinal Scale Measured by 5-point Likert scale

Analysis Method

Analysis Method is based on the research objectives, the method of analysis used in this study are as follows:

1. Descriptive analysis
2. Conduct evaluation of measurement model (Outer model) by looking at the validity and reliability of variable indicator of latent contraction measure.
3. Structural Equation Modeling (SEM) Analysis
 - Development of concept-based model and theory
 - Construct Path Diagram for Structural Equation Model

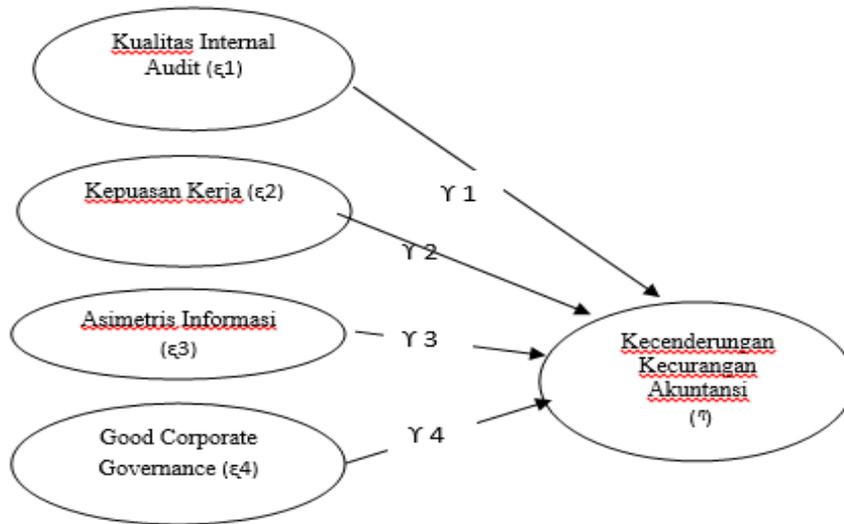


Image-1: Path Diagram of Accounting Fraudulent Tendency

- a. Convert the path diagram into the equation. The path diagram in Image 1 is converted into the following equation:

$$\text{Accounting Fraudulent Tendency} = \gamma_1 \text{ Audit Internal Quality} + \gamma_2 \text{ Job Satisfaction} + \gamma_3 \text{ Asimetris Information} + \gamma_4 \text{ Good Governance.}$$

Estimate the model parameters and evaluate the model by looking at the percentage of variance which is described by looking at the value of R2.

- a. Hypothesis testing. According to Dwi Pritano [18], hypothesis testing is a test to determine whether the conclusions on the sample can apply to the population (can be generalized). Hypothesis test is used to determine whether the proposed hypothesis is the correct statement / guess so that the hypothesis must be accepted or is a wrong statement / guess so that the hypothesis must be rejected.

The design of hypothesis testing in this study as follows:

- H₁**: Internal Audit Quality influences Accounting Fraudulent Tendency
- H₂**: Job Satisfaction influences Accounting Fraudulent Tendency
- H₃**: Asymmetric Information influences Accounting Fraudulent Tendency
- H₄**: Good Governance influences Accounting Fraudulent Tendency

RESULTS AND DISCUSSION

Descriptive Test Data

Descriptive analysis of research variable data aims to describe research variables, without drawing generalizations. Frequency distribution of answers is basically to see the number of respondents who answer each alternative answer. From the results of the answers obtained, we can find out the answers that are generally chosen by the respondents.

Statistik Deskriptif

	N	Minimum	Maximum	Mean	Std. deviation
Audit Internal Quality	88	10	50	39,48	6,92
Job Satsfaction	88	10	50	38,81	7,08
Accounting Information System	88	10	50	38,83	7,08

Source: Excel Output Results, 2019

Designing a Measurement Model (Outer Model)

In conducting structural analysis of equation modeling it is necessary to evaluate the measurement model that defines how each indicator block relates to its latent variables using Confirmatory Factor Analysis (CFA) through testing validity and reliability on the data.

This stage is used to determine the validity and reliability that connects indicators with latent variables. The indicators in this study are reflective because indicators of latent variables influence the indicators for

which 3 stages of measurement are used according to Latan and Ghozali [19].

Discriminant Validity

The evaluation is seeing square root of average variance extracted (AVE). The measurement model is assessed based on measurements of cross loading with the construct. If the construct correlation with each indicator is greater than the size of the other constructs, then the latent construct predicts the indicator is better than the other constructs.

If the value of \sqrt{AVE} is higher than the value of correlation between constructs, good discriminant validity is achieved. According to Latan and Ghozali [19] it is highly recommended if AVE is greater than 0.5. Following is the formula for calculating AVE:

$$AVE = \frac{\sum \lambda_i^2}{\sum \lambda_i^2 + \sum \text{var}(\epsilon_i)}$$

Where is the factor λ_i of loading (convergent validity), and $\text{var}(\epsilon_i) = 1 - \lambda_i^2$. Fornel and Larcker in Latan and Ghozali [19] state that these measurements can be used to measure reliability and the results are more conservative than with the composite reliability (ρ_c) value.

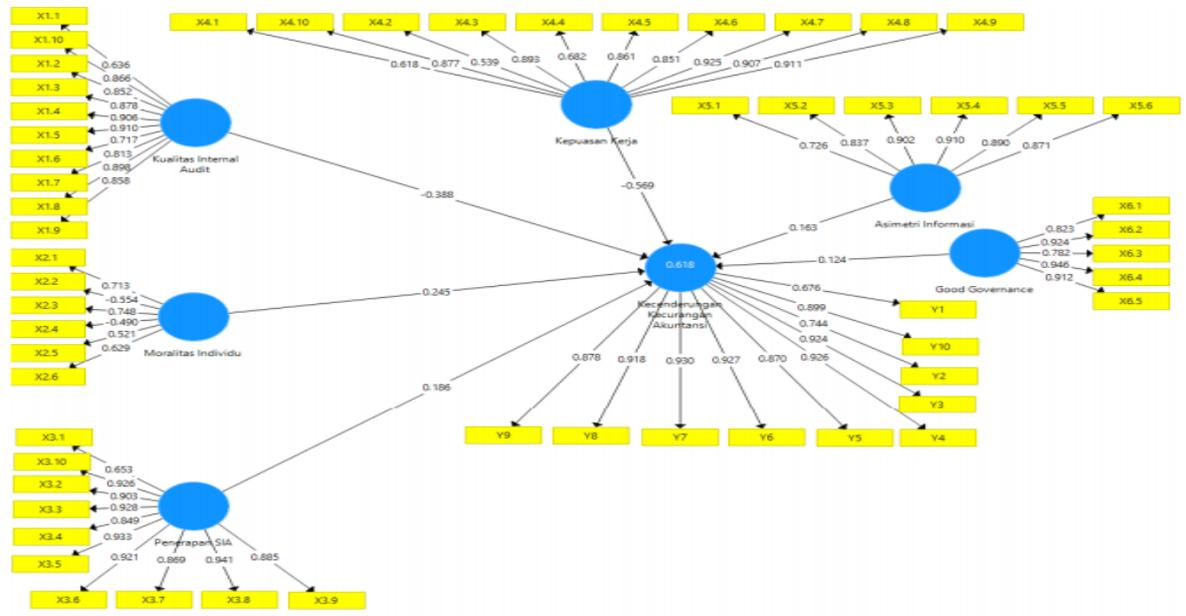


Image-2: Model processed by PLS3.0
Source: Data is processed by SmartPLS 3.0

Table-3: Discriminant Validity

Construct Reliability and Validity

Matrix	Cronbach's Alpha	rho_A	Composite Reliability	Average Variance Extracted (AVE)
ASIMETRIS INF...	0.930	0.997	0.944	0.737
GOOD GOVER...	0.927	0.968	0.944	0.774
KEPUASAN KE...	0.942	0.961	0.951	0.668
KUALITAS INTE...	0.951	0.959	0.959	0.702
TENDENCY AC...	0.964	0.968	0.969	0.762

According to the table above that the square root AVE Asymmetric Information is 0.737, square root value AVE Good Governance is 0.774, AVE square root value Accounting Fraudulent tendency is 0.762, square root value AVE Job Satisfaction is 0.668, square root value AVE Internal audit quality is 0.702.

The AVE output shows that the AVE value is good for the constructs of Accounting Fraudulent Tendency (KKA), Internal Audit Quality (KIA), Job Satisfaction (KK), Asymmetric Information (AI), and Good Governance (GG) which have AVE values greater than 0.50.

Table-4: Test Results of Average Variance Extracted (AVE)

Variabel	Average Variance Extraced (AVE)
KKA	0,762
KIA	0,702
KK	0,668
AI	0,737
GG	0,774

Source: Data is processed by SmartPLS 3.0

Composite Reliability (CR)

To determine composite reliability, if the value of $\rho_c > 0.8$ it can be said that the construct has high reliability or reliability and $\rho_c > 0.6$ is said to be quite reliable [19]. Here's the formula:

$$\rho_c = \frac{(\sum \lambda_i)^2}{(\sum \lambda_i)^2 + \sum \text{var}(\epsilon_i)}$$

Calculate the composite reliability (ρ_c):

Based on the calculation of Table 5 composite reliability > 0.8 this indicates that the construct has high reliability.

Table-5: Result of Cronbach's Alpha and Composite Reliability

Construct Reliability and Validity

Matrix	Cronbach's Alpha	rho_A	Composite Reliability	Average Variance Extracted (AVE)
	Cronbach's Alpha	rho_A	Composite Reliability	Average Variance Extracted (AVE)
ASIMETRIS INF...	0.930	0.997	0.944	0.737
GOOD GOVER...	0.927	0.968	0.944	0.774
KEPUASAN KE...	0.942	0.961	0.951	0.668
KUALITAS INTE...	0.951	0.959	0.959	0.702
TENDENCY AC...	0.964	0.968	0.969	0.762

Source: Data is processed by SmartPLS 3.0

The results of composite reliability output for constructs of Accounting Fraudulent Tendency (KKA) is 0,969, Internal Audit Quality (KIA) is 0,959, Job Satisfaction (KK) is 0,951, Asymmetric Information (AI) is 0,930, and Good Governance (GG) is 0,944. Composite Reliability > 0.80 so it can be concluded that all construct indicators are reliable or in other words fulfill reliability tests.

Cronbachs Alpha (CA)

Reliability testing is reinforced by Cronbach alpha where the consistency of each answer is tested. If ≥ 0.5 is good and if ≥ 0.3 is enough.

Based on the calculation results, the Cronbach alpha value produced by all constructs is very good > 0.80 so it can be concluded that all reflective construct indicators are reliable or meet reliability testing. The results of cronbach alpha for constructs of Accounting Fraudulent Tendency (KKA) is 0,964, Internal Audit Quality (KIA) is 0,951, Job Satisfaction (KK) is 0,942, Asymmetric Information (AI) is 0,930, and Good Governance (GG) is 0,927.

However, according to Latan and Ghazali [19] Cronbach's alpha generated by Smart PLS is slightly under estimate so it is recommended to use Composite Reliability or Dillion-Goldstein's.

Designing a Structural Model (Inner Model)

Table-6: R Square

R Square

Matrix	R Square	R Square Adjusted
	R Square	R Square Adjusted
TENDENCY AC...	0.564	0.543

Source: Data is processed by SmartPLS 3.0

Table-6 shows the R-Square value variable of Accounting Fraudulent Tendency (KKA) is 0.564, in other words the influence model of Internal Audit Quality (KIA), Job Satisfaction (KK), Asymmetric Information (AI), and Good Governance (GG) to Accounting Fraudulent Tendency (KKA) gives the R-Square value of 0.564. This means that 56.4% Accounting Fraudulent Tendency (KKA) variable can

be explained by the variables of Internal Audit Quality (KIA), Job Satisfaction (KK), Asymmetric Information (AI), and Good Governance (GG) while 43.6% are explained by other variables outside of those research. From table 6 it can also be seen that the value of the R-Square Accounting Fraudulent Tendency (KKA) variable belongs to the moderate category because it is more than 0.5 but below 0.75.

Construction Path

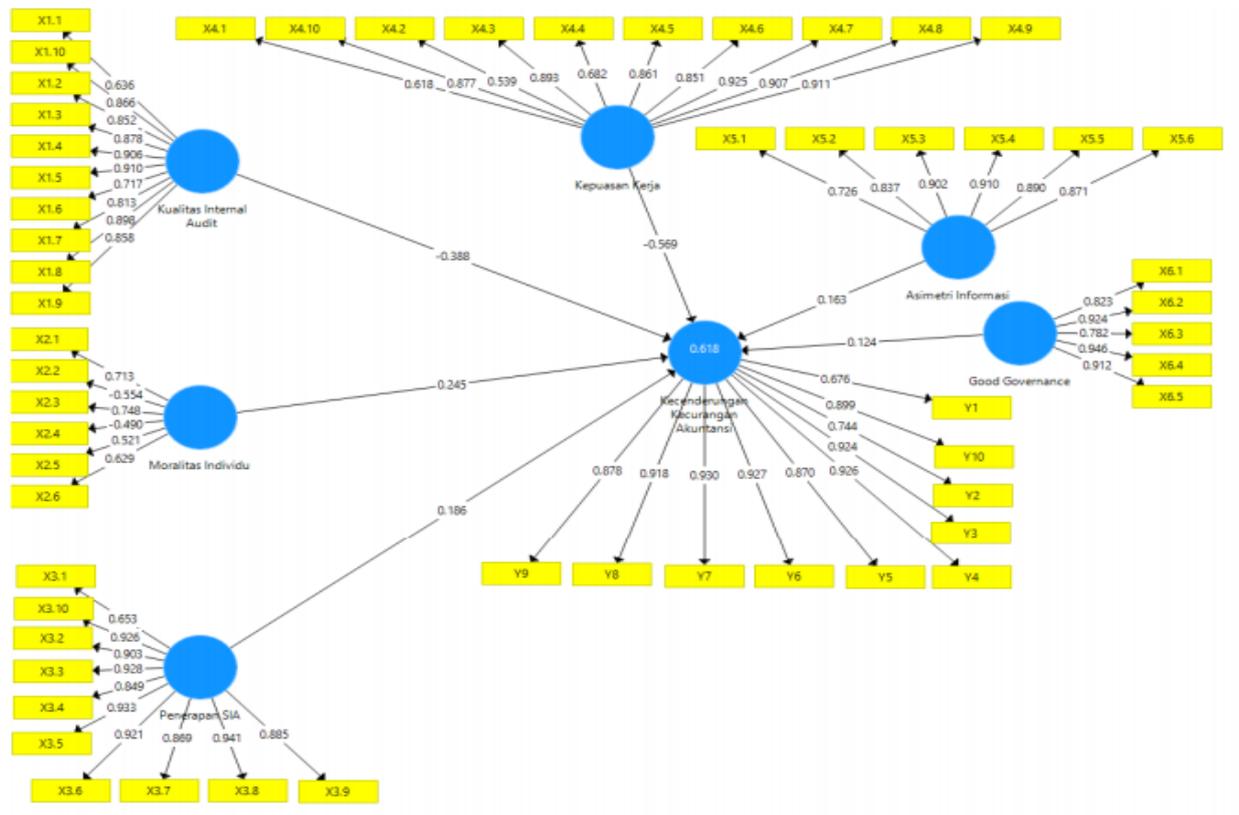


Image-3: The Construction of Line Diagram

Source: Data is processed by SmartPLS 3.0

Resampling Bootstrapping

According to Latan and Ghozali [19], If the t-statistic value is smaller than the t-table value [t-statistic < 1.98], then Ho is accepted and Ha is rejected. If the t-statistic value is greater or equal to t-table [t-statistics > 1.98], then Ho is rejected and Ha is accepted.

The hypothesis summarized in this study are:

- H₁** : Internal Audit Quality influences Accounting Fraudulent Tendency
- H₂** : Job Satisfaction influences Accounting Fraudulent Tendency
- H₃** : Asymmetric Information influences Accounting Fraudulent Tendency
- H₄** : Good Governance influences Accounting Fraudulent Tendency

Table-7: Path Coefficient Value Test Results

Path Coefficients	Mean, STDEV, T-Values, P-Values	Confidence Intervals	Confidence Intervals Bias Corrected	Samples		
					Original Sampl...	P Values
ASIMETRIS INFORMASI -> TENDENCY ACCOUNTING FRAUDULENCE					0.163	0.140
GOOD GOVERNANCE -> TENDENCY ACCOUNTING FRAUDULENCE					0.040	0.640
KEPUASAN KERJA -> TENDENCY ACCOUNTING FRAUDULENCE					-0.519	0.001
KUALITAS INTERNAL AUDIT -> TENDENCY ACCOUNTING FRAUDULENCE					-0.353	0.005

Source: Data is processed by SmartPLS 3.0

The effect of the relationship of exogenous latent variables on endogenous variables (Accounting Fraudulent Tendency) in Table-7 can be explained as follows:

1. The path parameter coefficient obtained from the relationship between the Internal Audit Quality variable and Accounting Fraudulent

Tendency is equal to -0.353 with a T-statistic value of 2.827 > 1.98, then Ho is rejected and Ha is accepted. Internal Audit Quality Variable has a negative effect to Accounting Fraudulent Tendency.

2. The path parameter coefficient obtained from the relationship between Job Satisfaction

variable and Accounting Fraudulent Tendency is equal to -0.519 with a T-statistic value of $3.489 > 1.98$, then H_0 is rejected and H_a is accepted. Job Satisfaction variable has negative effect to Accounting Fraudulent Tendency.

3. The path parameter coefficient obtained from the relationship between Asymmetric Information variable and Accounting Fraudulent Tendency is equal to 0.163 with a T-statistic value of $1.477 < 1.98$, then H_0 is accepted and H_a is rejected. Asymmetric Information variable has no effect to Accounting Fraudulent Tendency.
4. The path parameter coefficient obtained from the relationship between Good Governance variables and Accounting Fraudulent Tendency is equal to 0.040 with a T-statistic value of $0.468 < 1.98$, then H_0 is accepted and H_a is rejected. Good governance variable has no effect to Accounting Fraudulent Tendency.

Based on the path parameter coefficients obtained in table 7 the structural equation models formed as follows:

Accounting Fraudulent Tendency = 0.163 Asymmetric Information + 0.040 Good Governance - 0.519 Job Satisfaction - $0,353$ Internal Audit Quality.

CONCLUSION

The conclusions from this study indicate that:

1. A symmetric. Information variables has no effect to accounting fraudulent tendency.
2. Good Governance Variable has no effect to accounting fraudulent tendency.
3. Job Satisfaction Variable has a negative effect to accounting fraudulent tendency.
4. Internal Audit Quality Variable has a negative effect to accounting fraudulent tendency

SUGGESTION

Based on the results of the analysis and discussion that has been explained and the conclusions mentioned earlier, the authors provide suggestions that will be used as input and material considerations for interested parties as follows:

1. For Companies

The company's management still pays attention to job satisfaction and improves the quality of the internal audit of accounting, because thus hopefully increasing accounting adequacy.

2. For Other Researchers

- The variables used in this study are still limited, researchers suggest for further research to add variables that influence accounting fraudulent tendency.

- The population and samples used in this study are still limited compared to the number of branch offices and employees of banking companies in Tangerang. Future studies are expected to increase the number of populations and samples, so that the results of his research approach the actual conditions.

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