The factors influencing audit quality and its impact upon judgement on materiality level

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Abstract. The purpose of this study is to determine professionalism, professional ethics and experience on audit quality and effect of auditor upon judgement of materiality level. Data has been obtained by survey questionnaires, which is completed by auditors who work at Registered Public Accountants, started from junior up to partner level. The number of auditors of this study were 103 auditors from 16 Public Accounting Firm, period of January – May 2015. Data analyzed using Structural Equation Modelling (SEM) variance on (Partial Least Square). The result of this study has shown that professionalism and professional ethics have significant and positive influenced the auditor’ judgment on materiality level. And audit quality has significantly and positively influenced the auditor’ judgment on materiality level. Experience has not positively influenced audit quality and auditor’ judgement on materiality level.

Keywords: Professionalism, experience , professional ethics, audit quality and auditor judgment on materiality level.

Introduction

This research is a development of the research done by Sukriah, et al.(2011), Futri and Juliarsa (2014). The differences of this research with the previous one refer to : 1) additional dependent variable of judgement on materiality and evaluation of independent variables of professionalism, experience and profesi ethics upon dependent variable of materiality level judgement (Herawaty and Susanto, 2009; Yen, 2012; Rachmawati, 2013 and Yunitasari, et al, 2014. And 2) additional of audit quality test upon judgement on materiality level (Trisnaningsih, 2010).

Based on the description above, it has determined specifically the problems of this research are as follows: (1) Is there any effect of professionalism upon audit quality?; 2) Is there any effect of experience upon audit quality? 3) Is there any effect of profession ethics upon audit quality?; 4) Is there any effect of professionalism upon judgment on materiality level?; 5) Is there any effect of experiences upon judgement on materiality level?; 6) Is there any effect of profession ethics upon the judgement on materiality level?
Library Review

Description of the theory

Attribution Theory

Attribution theory is describing the process of how we define someone’s behavior, motive and reason. This theory refers to the description of to what extent someone is describing the reason of others behavior or his behavior which will be determined either by internal influencers such as traits, characters, attitude, etc. or by external influencers such as situation pressure or a certain circumstance which is influencing individual behavior (Luthans, 2006).

Cognitive Dissonance Theory

Referring to Festinger (1957) quoted in Wahyudi, et al. (2013) describing that cognitive dissonance is a discrepancy or a gap happened between two elements of cognitive which are not consistent causing psychological inconvenience. Cognitive refers to any kind of knowledge, opinion, beliefs, or self awareness or environmental awareness..

Audit Quality

Audit quality refers to the criteria standardization, or measurement quality related to the achievement using the applicable procedures. In Indonesia, quality control of audit quality has applied the standard of public professional accountant determined by the Indonesia Accountant Association (Trisnaningsih, 2010).

Judgement on Materiality Level

Materiality in accountancy is relative, it is quantitative value which is an important thing coming from some finance information of finance report for the user to make a decision(Frishkoff, 1979 quoted in Hastuti, et al. 2003) Role of materiality concept is to influence the quality and quantity of accountancy information required by auditors to make any decision related to the actual evidence.

Professionalism

Arens et al. (2011) defined professionalism is an individual responsibility to behave better rather than only following the Acts of the State and the applicable society regulations. Professionalism is also an element of motivation for the people to provide their best job performance.

Experience

Christiawan (2002) and Halifah (2012) described that the more the task complexity given, the better the experience will be which will enhance his knowledge and insight. Gusti and Ali (2008),Futri and Juliarsa (2014) describing that auditor experience is recognizable from their experience to execute audit to check finance report either related to time consuming or quantity of the task executed.

Profession Ethics

Profession ethics is one of the factors influencing audit quality. Code of conduct is absolutely required to regulate public accountant executing their jobs (Fitri and Juliarsa, 2014) The reason why ethics is very important to be respected by professional agents is referred to public trust and requirement about service quality they provide. Nevertheless, auditors should have respected their professional ethics to make people trust for what they have been doing especially for the users of finance reporting.

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Research Design

Based on the theories above, a research design can be described as the following:

Research Method

Type of the Research

Is a research which aims to test the hypotheses about the effect of one or more variables (independent variables) upon other variable (dependent variable)(Herliansyah, 2013). This research is going to test the effect of latent independent variables of professionalism, experience and profession ethics upon latent dependent variables of audit quality and judgement on materiality level.

Variable Measurement

Dependent Variables

a. Audit Quality

Variable of audit quality is measured by using the indicators developed by De Angelo (1981) quoted in Trisnaningsih (2010) which is consisting of 4 question items.

b. Judgement on Materiality Level.

Variable of Judgement on Materiality Level is measured by using the indicators developed by Hastuti, et al.(2003) quoted on Herawaty and Susanto (2009) consisting of 6 dimensions which is containing 13 items of question.
Independent Variables

a. Professionalism

Professionalism variable has applied concept of Hastuti, et al.(2003) quoted in Herawaty and Susanto (2009) which is consisting of 5 dimensions to evaluate professionalism using 20 items of question.

b. Experience

Experience variable is measured by using the indicators developed by Futri and Juliarsa (2014) which containing 2 dimensions consist of 10 items of question.

c. Profession Ethics

Judgement on materiality level variable is measured by using the indicators developed by Futri and Juliarsa (2014) containing 5 dimensions which consist of 14 items of question.

Variables Measurement

All items of the question either latent independent variables or latent dependent variables are measured using interval scale of Likert which is 1 up to 5. The responses will be scored as follows: 1) mostly disagreed, 2) disagreed, 3) neutral, 4) agreed, 5) mostly agreed.

Population and Sample of the Research

Population of this research are auditors who are working at Public Accountant Office (KAP) in Jakarta. Based on the directory book or KAP year 2013, there were 235 KAP(http://www.iapi.or.id/iapi/directory.php). From this population, the researcher is going to define the samples size using random sampling.

Technics of Data Collection

This research has applied primary data which is data collection technics using survey methods which is the questionnaires.

Analysis Method

Method of data analysis has applied descriptive statistics and Structural Equation Modelling (SEM) based on variance (Partial Least Square)

1) Descriptive Statistics

In this research, descriptive statistics is applied as analysis technics to describe or to provide respondent demographic information (gender, age, job title, education, registered accountant and job experience)

2) Structural Equation Modelling (SEM) on variance basis (Partial Least Square)

Method of the research has applied Structural Equation Modelling (SEM) on variance basis (Partial Least Square). PLS is structural equation model (SEM) based on component or variance (variance).

1. Outer model:
   a. Validation test: convergent validation test is to see the value of Loading Factor and Average Variance Extracted (AVE).
   b. Reliability test: Measurement of internal consistency is shown on the value of Reliability Composite. Reliability composite value should have more than 0.7.

2. Inner model:
   Structural model is evaluated by using R-square for dependent construct and t-test as well as its sig.value coming up from structural parameter coefficient.
Descriptive Statistics

1. Distribution of the Research Instrument

Distribution of 160 questionnaires and data collection was done in January – May 2015. But only 120 questionnaires returned, however only 103 questionnaires could be processed. Since 160 questionnaires had been distributed and only 120 questionnaires had returned or it was about 75% of total questionnaires returned. Nevertheless, it has shown good result of a response rate.

Mostly the respondents were dominated by man about 66.2 %. They were about under 25 years old which was about 31.07 %. Their education mostly was college degree (S1) about 77.67%. And they were junior auditors which was about 56.31% and senior auditors of 31.07%. They had been working for less than 3 years the most which was 56.31% and followed by 3-5 years about 31.07% However, most respondents had not got yet registered accountants which was 95.15%.

2. Variable Description of the Research

When value of standard of deviation is less than mean value, however, mean value can be used as the representative of all data. Table above has shown mean value of Professionalism (PRO) of 70.05, mean value of Experience (PGL) of 35.64, mean value of Profesion Ethics (EP) of 50.87, mean value of Audit Qualit (KA) of 14.03, mean value of Judgement on Materiality Level (MT) of 45.84.

Test of Model Appropriateness and Quality of Research instrument.

1. Evaluation of Measuring Model or Outer Model.
   a. Test of Constructs validity using Convergent Validity Test.

Convergent validity of measurement model using indicator reflection is evaluated based on the correlation between item score/component score estimated by PLS software. Individual indicator is valid if correlation value of more than 0.7 refers to construct (latent variable) being measured. However, at the beginning of the research about measurement scale development has indicated value of loading factor of 0.5 to 0.6 and considered acceptable. (Ghozali, 2012)

Result of convergent validity has resulted 3 (three) correlated indicators refers to the constructs having loading factor result (out loading) of less than 0.5 (not valid), and the researcher has to eliminate the indicator which is less than 0.5. Referring to PLS Algorithm result, it has indicated that all constructs which have gained loading factor value of > 0.7 explaining that all construct indicators are valid. However, some indicators have gained loading factor of > 06 and according to Hair et al.(2011) quoted in Ghozali (2012) it is still acceptable.

Besides of loading factor value, validity convergent test has to be done to see the value of Average Variance Extracted (AVE) that should have been more than 0.5. It has resulted Value of AVE for each variable ; Professionalism variable (PRO) of 0.401, Experience variable (PGL) of 0.593, Profession Ethics variable (EP) of 0.487, Audit Quality variable of 0.505, and Judgement on Materiality Level (MT) of 0.418.

Refers to AVE result, three variables are not in compliance with the standard. However, those variables are still acceptable because (1) data of the research is presented according to the actual circumstances: (2) this measurement has been just covering reliability construct: and (3) loading factor of each construct is in compliance with the standard.
b. Construct Validity Test using Discriminant Validity.

Instead of validity convergent test above, discriminant validity test of the model has been executed using reflective indicator measurement. Test has been done refers to cross loading value between indicator and the construct. Another method to evaluate discriminant validity is comparing each construct of quadrate root of average variance extracted \( \sqrt{AVE} \) with the correlation of other constructs. It is concluded that value of AVE quadrate root is bigger than AVE value or correlation of the constructs in this model. It has indicated that each construct is having good discriminant validity value.

c. Reliability test using Composite Reliability.

Instead of validity test of the construct, construct reliability test is measured by composite reliability. The construct is declared reliable if the value of composite reliability is more than 0.7. Value of composite reliability for all constructs are good due to the value of more than 0.7, however, it is concluded that all construct indicators are reliable or in compliance with reliability test.

2. Structural Model Test or Inner Model

In order to evaluate structural model or inner model, it can refer to the value of R-Square \( (R^2) \) and Q-Square \( (Q^2) \) of each latent endogen variable. R-Square result of Audit Quality construct \( (KA) \) of 0.648 is still within moderate. This value has interpreted that Professionalism variable \( (PRO) \), Profession Ethics \( (EP) \) are able to describe 64.8% of Audit Quality variable. However, the remaining of 35.2% is described by other variables which are not in this model. R-square result of judgement on materiality level \( (MT) \) of 0.914 is within a strong category describing that construct of judgement on materiality level \( (MT) \) can be explained by Professionalism variable \( (PRO) \), Experience variable \( (PGL) \), Profession Ethics \( (EP) \) which is 91.4%, but 8.6% is explained by other external variables being studied. Q-square has been executed to measure how good the observation value provided by this model and to measure the related parameter. And it has resulted the following equation:

\[
Q^2 = 1 - (1 - R^2_{KA}) (1 - R^2_{MT}), \text{ where } R^2_{KA} = R^2 \text{ audit quality and } R^2_{MT} = R^2 \text{ judgement on materiality level. And the value are as the following:}
\]

\[
Q^2 = 1 - (1 - 0.648) (1 - 0.914) \\
Q^2 = 1 - (0.352) (0.086) \\
Q^2 = 1 - 0.030 \\
Q^2 = 0.970
\]

Refers to the result, it has indicated \( Q^2 \) of 0.970 explaining that the value of varied data of the research can be explained by structural model developed in this research which is 97%. Based on this result, structural model is having goodness of fit or quite good.

Hypotheses Test

This research has 7 hypotheses to answer all the problems occurred. Hypotheses 1 to 3 (H1 to H3) are to test significant effect of Professionalism variable \( (PRO) \), Experience variable \( (PGL) \), Profession Ethics variable \( (EP) \) upon Audit Quality \( (KA) \). Nevertheless, Hypotheses 4 to 6 (H4 to H6) are to test the significant effect of Professional variable \( (PR) \), Experience variable \( (PGL) \), Profession Ethics variable \( (EP) \) and Hypotheses 7 (H7) is to test Audit Quality variable upon judgement on materiality level. By applying PLS, it has indicated inner loading result on parameter coefficient value is having sig.value of t-statistics indicating that all the hypotheses are having significant influences which is mentioned on the table below.
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Table of Inner Loading

<table>
<thead>
<tr>
<th>Variable</th>
<th>Original sample estimate mean of subsamples</th>
<th>Standard deviation</th>
<th>T-Statistic</th>
<th>Kesimpulan</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROF -&gt; KA</td>
<td>0.395</td>
<td>1.098</td>
<td>0.175</td>
<td>6.272</td>
</tr>
<tr>
<td>PGL -&gt; KA</td>
<td>0.297</td>
<td>0.297</td>
<td>0.099</td>
<td>4.265</td>
</tr>
<tr>
<td>EP -&gt; KA</td>
<td>0.548</td>
<td>0.134</td>
<td>0.083</td>
<td>4.238</td>
</tr>
<tr>
<td>PROF -&gt; MTR</td>
<td>0.294</td>
<td>0.082</td>
<td>4.265</td>
<td>Signifikan</td>
</tr>
<tr>
<td>DGL -&gt; MTR</td>
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<td>0.194</td>
<td>0.046</td>
<td>4.265</td>
</tr>
<tr>
<td>KA -&gt; MTR</td>
<td>0.471</td>
<td>0.468</td>
<td>0.072</td>
<td>6.603</td>
</tr>
</tbody>
</table>

Source: data processed by SmartPLS.

Description

Description of hypotheses test results are in compliance with the hypotheses offered at the beginning of the research which can be explained as the following:

1. H1. Profesionalisme has positively affected Audit Quality

   Result of analysis has indicated that Profesionalisme has affected positively upon Audit Quality. It is shown on the table 5.0 describing that \( t_{count} \) value of 6.272 which is bigger than \( t_{table} \) of 1.96 (6.272 > 1.96). It has explained that professionalism can influence Audit Quality. Nevertheless Hypothesis (H1) is accepted.

   This research is in line with the research of Mayasari (2012) confirmed by research of Baotham(2007), Ussahawanitchak (2008) declared that professionalism has affected Audit Quality. Professionalism means that Auditor can not be intimidated by anyone and is unable under pressured by anybody who wants to interfere his/her opinion and attitude. The higher the profesionalisme, the better the audit quality will be. It is happened due to the respondents have had good professionalism attitude. During the inspection, the respondent has to be professional, he cannot be intimidated by anybody. As a matter of fact, it could be probably some auditors might be doing some deviations against audit standard and code of ethics.

2. H2. Experience has positively affected Audit Quality.

   Result of the test has described that Expereience has affected significantly and negatively Audit Quality. This result is depicted on table 5.10 that \( t_{count} \) value of 3.618 which is bigger than \( t_{table} \) 1.96 (3.618 > 1.96) Negative value of Parameter Coefficient has indicated that the more the experience of an auditor is, the higher the Audit Quality will be. Since the result of the research has had negative parameter coefficient but the hypothesis offered is positive, Nevertheless H2 is rejected, even though \( t_{count} \) value of 3.618 which is bigger than \( t_{table} \) 1.96 (3.618 > 1.96)

   This result is not in compliance with the research of Sukriah, et al. (2013) determined that experience has influenced positively Audit Quality. It has happened due to most repondents are junior auditors where their complexity of the tasks is relatively still low, and the ability to evaluate risk of audit is low too. However, it could make the auditors unable detecting any fraud happened. As a matter of fact, auditor team has been supervising and guiding their job. So that, junior auditors will have better risk judgement. The better the audit risk evaluation is, the better the auditor competency will be to detect any fraud. Therefore, audit quality can be maintained as required. Nevertheless, result of the research had shown that Experience has negatively and significantly affected Audit Quality is acceptable.
3. **H3. Profession Ethics has positively affected Audit Quality.**

Result of the research has indicated that Profession Ethics has significantly and positively affected Audit Quality. It is depicted on the table 5.10 identifying value of $t_{count}$ of 4.285 which is bigger than $t_{table}$ of 1.96 (4.285 > 1.96). The bigger the profession ethics will create better audit quality. Therefore, (H3) is accepted.

This result is getting along with research of Futri and Juliarsa (2014) and Hutabarat (2012) indicated that Profession Ethics had positively influenced Audit Quality. Nevertheless, the bigger the auditor ethics is happened, the better the audit quality will be.

4. **H4. Professionalism has positively affected judgement on materiality level**

Result of the research has identified that professionalism has significant and positive affected judgment on materiality level. Table 5.10 has depicted value of $t_{count}$ of 6.093 which is bigger that $t_{table}$ of 1.96 (6.093 > 1.96). The bigger the professionalism, the higher the judgment on materiality level would be. Nevertheless Hypothesis (H4) is accepted.

Result of this research is in compliance with the research of Herawati and Susanto (2009) and Febrianty (2012). Sinaga and Isgiyarta (2012), Lestari and Utama (2013), Kurniaiwanda (2013), Muhammad (2013) who described that professionalism had significantly influenced the judgement on Materiality level. It happened due to the respondents had had good professionalism which increased the judgement on materiality level.

5. **H5. Experience has positively influenced Judgement on Materiality Level.**

Result of the research has described that Experience has had significant and negative influences on Judgment on Materiality Level. Table 5.0 has shown value of $t_{count}$ of 4.238 which is bigger that $t_{table}$ of 1.96 (4.238 > 1.96). Negative value of Parameter Coefficient has depicted that the better the experience of an auditor, the better the judgement on materiality level would be. Since parameter coefficient is negative, but hypothesis offered is positive, hypothesis (H5) is rejected even though $t_{count}$ of 4.238 is bigger that $t_{table}$ of 1.96 (4.238 > 1.96)

This result is not getting along with the research of Herawati and Susanto (2009) determined that experienced auditors would produce better knowledge over judging material level. It has happened due to mostly the respondents are still junior auditors who has been working for only not more than 3 years.. Of course, it is influencing their detection upon the judgement on materiality level. Having low experience of the auditors, it has caused low complexity of auditors' task reflecting to low capability to evaluate the auditing risk which is far from the expectation. Nevertheless, they are not in the position to judge materiality level properly. Actually, the auditing team has been supervising junior auditor's job, so that junior auditors will be having more understanding to value the risk which is better execution. Evaluating better audit risk will create auditor competency to produce better judgement on materiality level. Nevertheless, result of the research described that experience has negatively and significantly influenced judgement on materiality level.

6. **H6. Profession Ethics has affected Judgement on Materiality Level.**

Result of the research had identified that Profession Ethics has significantly and positively affected Judgement on Materiality Level. Value of $t_{count}$ of 4.263 is bigger than $t_{table}$ of 1.96 (4.263 > 1.96). The more the profession ethics of an auditor, the bigger the judgement on materiality level will be. So that, hypothesis (H6) is accepted.
This research is in accordance with the research of Herawati and Santoso (2009) determined that auditors who had been respecting profession ethics would produce independent and objective judgement on materiality level. Nevertheless, it is getting along with hypothesis H6.


Result of the research has identified that Audit Quality has influenced Judgement on Materiality Level significantly and positively. Table 5.10 mentioned value of $t_{table}$ of 6.503 bigger than $t_{table}$ of 1.96 ($6.503 > 1.96$). It has been explaining that Audit Quality can increase Judgement on Materiality Level. Nevertheless, hypothesis (H7) is accepted.

This research is in compliance with the research of Trisnaningsih (2010) describing that Public Accountant will be able to recognize the quality of its audit refers to clients satisfaction. However, a public accountant should have improved its audit quality. Clients satisfaction will create trustworthy of the competency of public accountant. In order to reach best quality achievement, materiality level should have to be respected.

Based on the result of hypotheses above, it has concluded that 5 (five) hypotheses accepted are H1, H3, H4, H6 and H7. However another hypotheses are rejected, eventhough $t_{count}$ is significant.

Based on the result above, the writer will analyze direct and indirect analyses to see if path of this research should have gone through intervening variable or direct inter-variables. And refers to the analysis above, it is describing that profesionalisme variable has affected judgement on materiality level of 1.213 which is bigger than the direct analysis of 0.696. So that, intervening variable is required, which is through audit quality variable.

As Experience variable upon judgement on materiality level has resulted total of the effect value of -0.627 which is less than direct effect value of -0.347, therefore, it would be better if experience variable upon judgement on materiality level variable should not have gone through intervening variable. And the effect of intervening variable of audit quality could be neglected.

But the effect of Profession Ethics(EP) variable upon judgement on materiality level (MTR) has indicated total value of the effect of 0.338 which is bigger that direct effect value of 0.198. Nevertheless, intervening variable is required which is Audit Quality variable (KA)

**Conclusion and Suggestions**

**Conclusion**

1. Professionalism has positively affected audit quality. It has identified that auditors could not be intimidated by other people who wanted to influence their attitude and opinion. The higher the professionalism, the better the audit quality is.
2. The Experience has not positively affected audit quality. The more the experience of the auditor is not able to improve audit quality.
3. Profession Ethics has positively affected audit quality. Best audit ethics will influence audit quality.
4. Professionalism has positively affected judgment on materiality level. The better the professionalism, the higher judgement on materiality level will be.
5. Experience has negatively affected judgement on materiality level. The better the experience, the less the judgement on materiality level will be.
6. Profession Ethics has positively affected judgement on materiality level. Having best profession ethics, the result of auditor in judging the materiality level will be more independent and objective.

7. Audit quality has positively affected judgement on materiality level. An auditor should have been able to improve his audit quality, because Client satisfaction upon his audit service will produce his client trustworthy upon public accountant. In order to achieve good quality, judgement on materiality level is required to be respected.

Implication

Referring to the result of this research, the researcher is expecting that this research will be useful for all the parties as the references for academicians. For further research, it is expected to be able to enlarge and develop this research furthermore.

Suggestions

This research has some limitations, therefore, future researches should have included other variables influencing audit quality such as independency and accountability (Saripudin, et al. 2012) and some variables that are affecting judgement on materiality level such as knowledge to detect any frauds. (Herawati and Susanto, 2009). And to involve total of the samples and more respondents who are having experience more than 5 years.

References


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