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## Voluntary Intellectual Capital Disclosure and Earnings Forecast in IMT-GT Countries' Pharmaceuticals Sector

#### 42 Abaltari

Parprise - This Multi-scenarios her role of entitiential square analysis (CD) are consistent franceship in analysis in the pharmaceutical industry in entitiging countries, particularly in Indonesia, Margola, and The land The study solution industry in entitiging countries, particularly in Indonesia, Margola, and The land The study solution industry extends for site of each component of the CD on analysis formation, which consists of entry of terminated assembly. The attention instation of Assembly durings, and analysis (2) on analysis of terminated assembly. The attention instation of Assembly durings, and analysis (2) on manufacture.

Design/methodology/approach - Farer' data (Pil)sia is constanted using a sample of 17 comparises than pharomaceutrone traininges in APT-GT, which are defined in the Indonesia Stock Centerge (XDX), Malayina Shich Exchange (IPTX), and Stock Exchange of Thaland (GCT) from 2018 is 2017 (Bendary data is stated from Bisomberg and Acrival report, where they are being analysed to measure the intellection capital decidance & gether the control veniation.

Pendings - The NAMEAR PERSON that the three antipartners of institution instal Machine (ED). However, Martial captur discharge (ACO), and their capital dominance (SCO), and velating major charges (ACO), magnetically (ACA) is describe analysis contracted memory (SCO), and velating major charges (ACO), magnetically (ACA) is describe analysis contracted memory of relation and mathematic memory (ACO) is established to the second second second and the second capital analysis and the second (ACO) and the mathematical (ACO) is a second second second and the second capital analysis (ACO) and the second (ACO) and established of the second second second second capital analysis (ACO) and the second capital memory (ACO) and the second second second second capital analysis (ACO) and the second capital memory (ACO).

Proclassi implications - Transportery in checksing addition induce to a dentify partox is meaning for the phermaceutex inductory. The transformation of opping destinant in the only KCD indicator that can emergithen any part predictions. Transportery atout company with the in maintaining customer antibuction and activities related to available attained with other organizations are two oriental transport that can bely the according of enricing three approximations. In phermateurology of enrichments are two oriental transport that can bely the according of enriching three approximations in phermateurology comparises.

Originally/value - This study control also W. CD isolated research, by standardy the linearcal accesses in the presence of the second program in the prevent output in the prevent of the

(a) words methods Capital Decimary, Earnings Finedaal, Pharmaceutosite reducty, ART-ST Paper type Research paper

#### 1. Introduction

A major Intencial and economic ories, also maken as the Global Financial Crisis, has happened in one of the sconomic gaters. The United Blates in 2007-2009. This unformulate event was that is high-risk tean providem provided by US Banke to bornware with pass credit beatry for a montgage diversatilit & Betwith 2010; At a mault, many banks and invasions experimented a supplicant teas, makes them stop taking a tek, thereby making the credit market hieratory. Since their, the decreasing contribution in the credit market web to a decline in sconomic provide provide and market hieratory countries antered a recognition form the second half of 2008 (Crosty, 2009).

The recession in developed countries had also been delivering a damaging impact on the energing countries, including countries in South East Asia. This emerging countries reached to stabilize their economies, thereby, they do not have extend funds to rewarment. The decires in teams and incestments must a primary means the emerging countries were impacted servicely, considering their high dependency or loans for development assaultance (flagges, 2010). Compariso right not been the high cost of voluntary decimate during financeal one-penale data is related preparation and competitive assists. Thus, considering wit condition voluntary. decionant offer the transisticitum (Hay & Ghazat, 2012). However, veterlary discidence in the pharmaceuricals, sector a helatively needed to express the completitive establishapes, periodality in high research and development actuation (Gray & Biogevis, 2004).

Independent Methodal, Thomast – Growth Transport (MET-GT) velocities of a subserver to represent the condition of emerging countries, is provided in this particular study, as it is believed to be the pioneer in developing a interant agreement between maintime in ASEAN. Also, the relatives growth of "IMT-GT" neglé particuly influence of ASEAN members (Avianto, 2010). The pharmaceutories are such an exciting industry to be discussed due to the tegh velocition of intergible capital, including patients meation, the capital study of FAO, and advertisming (Paceel, 2010).

The problem is that involutional paperal discriptions has previously high solutionly disclosure rands. From disclosure intellectual applied tends to be solutiony. Therefore, comparison have the option to disclosure much, that disclosure intellectual applied tends to be solutiony. Therefore, comparison have the option to disclosure or not to disclosure (Value) et al., 2011). However, the probabled armust reports. According to Namethi (2017), disclosing intellectual copies helps comparison reduces Hormatics asymmetry between three and promote stock prov. Section, intellectual copies disclosure could also improve maniparently in the optigarity's management due to more intellectual copies disclosure could also improve maniparently in the optigarity's management due to more intellectual copies disclosure could also improve maniparently in the optigarity's management due to more intellectual copies disclosure to solutions of prove maniparently in the optigarity's management due to more intellectual copies a characteristic tendency's prospects and the time's taken it explains the intellectual intellectual in the service the company's prospects and the time's taken it explains the intellectual intellectual is to service the company's prospects and the time's taken it explains the intellectual intellectual is to realize the company's prospects and the time's taken it explains the intellectual intellectual is in service whether intellectual angles integrates integrate the maniparent file is the analysis had on a fire.

There are relevant interfaces of arbitrary that analyticity discussion the objects of characterise our energies, because the What of their discuss personne disclotted is person, and some of their specificate discuss opporte secial dischokates. Therefore, this output gives additioned vision to remearch logica of site/hermal capital thatkenure and exercises forwarders, in this shapy, the analysis' corrected in measured and the measurements avaitage analysis' concerness recontrendation, semiage forecast second contracts targoant entry in lend pharmaceutral lines in the IWT-GT interface. This study letter that the orielectus inputs studyase components have mixed results regenting the analysts' earings horecast. Former capital disclosure of UDs. structural capital disclosure (SCD), and relational capital disclosure (RCD) insignificantly influence average analysis" concerning technologien and analysis" corrects theorem theorem in Nowever relational angulat appendances (FCD) players a significant registive influences towards enabyits' earnings here and array, bi (contrast, transact cognitial standards or (HCO), and attactured ingental discipation (HCO) have not computinged influence. The significant regation relationship between RCD and contrage totemail error master that the more disclosure made by the company, the leaser the error would be in the eleminate torecast made by analysis lot firms. Bandan, the imagefunet result is average analysis' conversion takon reportation and samings forecast inspersion encontrendence much be caused by the test metallish in photocouldain in MT-GT still consider men francial performance reports infer that not install

The rest of the study is exuctioned as follows: Herotom review and development of hypotheses in Section 2. Section 3 prevents the data and review or transmosty adopted in this study. Pleasable, declaring, and precised instructions are precented in Section 3 and finitity closed by spectraling remarks and installants and wagestoors for future receiver in Section 8.

#### 2. Literature review and hyperthesis.

#### 2 Vintelinctual Cambo Discionary

intelesting Capital Devolution (ICD) is a report intercol to convey the information receiped by the information users who do not have the authority to report completion to meet liss' needs for whomator anall ineffectual capital (Absorbation, 2011). Also, Atheleohal capital Middourn can be approved as additional otomisticn (Waterens, 2010) Incrusion Denne distribution whit complete information to company reports (Brugger, 2000). Ching & Genth (2017) also used that this disclosure could reduce information severatory. To becoming a communication tool between componies and their plakeholders. Dischargen of intellectual signal can also increases states intract (is not haven an every trip matter is constable to the public (Briagger, 2029). For therees, Horn San Pertra Part Miller Salisation (Contractor (Contractor)) where and Hiller Sound (Contractor) (Contractor) (Contractor) to that must all marked players light the must opportunate betrancy that standard to be composed wrong surprises on the second state of the second second states in the second states of the second states of the second states and may around a to be constantiable to be and a constant angels that the order and the again that the on the stategiest county locarit. Endline at county I arrange that shad you at the to travel to the second verse? chicklef provide complete inter-inferior likel complete managements from the context of the second saturation. Tendence every information diagrams in the provide month price to form predictions of its fail value. the estimation presented input provide the best vacalization for insenten, and protypic to use the orternation to and east the consumption while property.

Anthreeve & Geraries (2010), Borris (2010), Johnskin & Bohan (2010), Patrone (2011), Zerober (2015), Guinne et al. (2012) atoms that in general insidemaal applies a categorised in these part, Norman applies attractive parties and remotohis applies. Norman capital is often releved to as emptypes competence (Nyberg et al., 2016) and is often associated with Indekiduals (Teorig, 2005). Noreading, competence are empotence (Nyberg et al., 2016) and is often associated with Indekiduals (Teorig, 2005). Noreading, competence are empotence (Tergan et as, 2010). Association for employees: stating and sociative of tampin resources that provide more value to the company dilottic, 2010). Homen capital is a total of competinence, skills, recorder, behavior, commitment, wildow, and experiments of the company's emblores (Coverse et al., 2017).

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Biochural Capital is also often reterred to as internal capital (Teorig. 2005) or injuritational tapital (Oberdan et al., 2017). Situatate Capital Cap

Helationer Capital is also often radial and referred to an emerged capital or feleton capital (Heaters, 2015), which is related to perfect relationships outside the organization, along with knysky, market shares, and level at must (Zangeuminicolas), 2008). Bontal (2018) says that musticeal capital is suprist regarding corporate relationships with statisticative subside the stamptory, such as customers, depth/dom charters, business collaboration, fercifies approximate, and other external packets' activities.

Prior studies propose that intofectual capital disclosure follow mode watteri the information asymmetry, resulting in the company's measurement due at al., 2003). It may lead to regress capital costs (lienve et al., 2016) when the measure extent results are extention of assets askes orthon at the baseous etser results in the measurement of the measureme

Most measurbles on intellectual copied decisions were using the annual seport as the media. This study articularly the immediated by Yan (2017) and Catotra (2017) to measure the intellectual copied decision website. Disable or integrates and hermaticale highly dependent on the level of impression from management. Completing that the qualitative discourse terms) is before than not disctouring the study only used the number of terms disclosed without stating of the quantitative and qualitative talegates in the term of disclosure. This assay also did not check intellectual copied information up the website, as Calenta (2017) did. The consideration is that the decisioners on the website can only the measured in the main report year. This study surfaction is that the decisioners of the settlete can only the measured in the main report year. This study surfaction is that the decisioners of the settlete can only the measured in the main report year. This study surfaction is that the decisioners of the settlete can only the measured in the main report years at study surfaction is that the decisioners, the two surfaces and the decision is applied decision in the main report when at study surfaction to the result report. Therefore, the two surfaces independent modes and be decision in terms at study of 21 HCD items, 24 SCD items, and 21 RCD rems. It gives 1 to each point differ surfaces of interval report and support and done if not. But suggested as follows and applies to of the time indicates of interval reports the terms of interval reports the terms.

$$\text{IED} = \frac{\sum K}{M}$$

 $\langle \bar{\eta} \bar{\eta} \rangle$ 

Explanation:

1023 - Germany's histostual Capital Continues

X - Distanted orterion value (value in 1.8 deciment, wake is 0.8 part distance)

M - The meanmen quantity of items that the containty strough discline.

#### 2.2.Emittas Forecast

1

In progresses theory supports the transmiting of the time's earnings' store by the securities analysis. Progresses theory indicates the minister of present event factors. The analysis use two approaches when analysing the company, which is through technical or fundamental analysis. Vectoreal analysis usees when analysing the company, which is through technical or fundamental analysis. Vectoreal analysis usees when analysing the company, which is through technical or fundamental analysis. Technical analysis usees when analysis operation (Atmusted, 2012). Contrary, turchamental analysis the company's vision by adviced by adviced and the research of the secondary of ices statement. Includes analysis the regulate the company's vision by adviced log prote of ices statement. Includes position statements, and attements of cash town. The stock price does not accordingly infact all the position information (Barrow of al., 2013). It addition to the evaluate frances information that both analysis type to regulate the company's vision to the evaluate frances information that both analysis type to analysis according position to the evaluate frances information that both analysis type to analysis according position of the statement of cash the statement presence programme that analysis there were according to the evaluation from the managers. The statement type to a statement of cash they evaluate the statement from the managers. The statement presence programme the statement from the managers. The statement of the statement from the managers. The statement is not according to an according to according to the statement of the statement of the statement from the managers. The statement presence programme the statement at the statement of the

Estimation: Foreparent is the financial analysis' estimate for a company's guaranty or annual estimotic por diale-(ESS) (finatehold, 2008). A financial analysis is a professional instructual or time in evoluting the financial analsissequent atternation, mainly setting, howing, or famility securities. The treatable analysis research the sourcenic condition to detormine the most occurate stack incommondation in vetous business sectors for sacking to mean in (Small 2018).

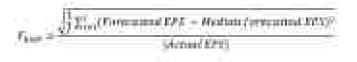
This shidy, the suminge brocket is acting as the dependent variable and is divided into three properties exempts itsrecast sens, evenings interest dispersion, and investige analysis' commonly recommendation (Manlost et al., 2016).

The Firmman Ener (F., ERFICIE) is calculated as the abastate result of the difference between actual entropy per share (EPU) and the forecasted EPS student by the actual EPS stones, 2007). Due to the integral use of namings activates, must firmed an entropy the relative of perturbation forecast internation is predict the Internation. Financial practitioners often with on the calculated process process internation is predict the future must, which constraintly contributes more to the earnings forecast process proc (Myong & Minge, 2007).

 $P_{\rm Function} = \gamma \frac{Actual APS}{Actual BFS} - \frac{P_{\rm Strep, stated} BFS}{Actual BFS} 1$ 

1125

Ebrecaet dispension (F, DREP) is calculated by thetStig the manager invation of EPS forecasts between analysis by the adoptive mean of actual EPS (Simpson, 2010). Even though the converses estimates are the primary data mostly adopted by the market participants. It issues to reserving regarding the forecastal distribution. For manager, exempt forecast dispersion is often perceivent as an indicator of leading behaviour tecteory the analysis (Hu, 2011).



The diverge contention recommendation (WV COMB\_REC) is measured through accentished the analysis' miggratures into a number metric from 3 drag), 2 (heal), to 1 (asi), and the evenings is being taken (Maximi et or., 2018). The analysis' contrasts function is often gathered to generate exercise eveloped contrasts estimates, it accus then be heavily relied on by the public investors to determine their access menatment choice (mine and Lik, 2017).

## 23 Cristot Weikhiles

The control variable is a variable that is stable in highlighting the relationship between the kidependent and dependent variables (Yum, 2016). This starty's control variables are the lagged year, anistyps/ provesage, box, stee, profiledably, and growth opportunities.

A lagged year of toracted algorithm (#\_DEP), bracket error (#\_DEPDD), and evenage encloses content and exceeded as object-corresponding on next year bracket algorithm (AccOVE\_PEC) of the current year oro being elibbed as object-corresponding on next year bracket algorithm (Insection (AccOVE\_PEC)) of the current year oro being elibbed as object-corresponding on next year bracket algorithm (Insection (AccOVE\_PEC)) of the current year oro being elibbed as object-corresponding on next year bracket algorithm (Insection (Insection error) and year bracket algorithm (Insection (Insection error) and year bracket algorithm (Insection error) analysis, causing analysis to perform that higher analysis coverage also indicated greater competition errors analysis, causing analysis to perform that higher analysis coverage also indicated greater competition errors analysis, causing analysis to perform insection (Perpert), 2010). According to provide the terms error is analysis, causing analysis to perform errors errors in perform (Perpert) (Perpert). 2010). According to provide the terms error is analysis of the term error of the market leader of errors with terms errors and perform with provide EPS and attendence a more of the market leader of ergation of the term error errors to the term error of the term error of the term error of ergets. 2010). According to provide the insection is more analysis. For perform a term error of the term error of the market leader of ergation errors and there error errors are provide EPS and attendence errors at the firm from terms of balance of ergets in the term error errors are errors at the error of ergets of ergets and errors at the error error of ergets and ergets at the error errors are errors are errors at the error errors are errors at the erro

## 24 Hypotheses Development .

The previous studies have advect that recurrent analysis have put to much dependency on the compared studies of interviews in calculate their brack issums (Happins, 2010). Dependent, analysis will use about their forecast assuracy as it is believed at the process process that sets of their quality (Lambar, 2004), indees their reputation (Linckson, 2005), and is already reveal to the interview of promotion (Convicting & Heaty, 2011). Thus, if the voluntary disclosure servers relevant information and data for the Hamiltonian property and seatth product apply, the analysis forecast actualized will be annuable within more interview coupled declosure (Contract at al., 2015). As Mourmen at al. (2004) and all interview applies capital declosure can be used as an

1.126

72 internal management tool to communicate the propert externally, which is a knowledge-based similarity. The propriete feery indicates that the analysis can construct more accurate progroups than a material model tuped on a few quantitative information and have pound to qualitative information. Honce, it is believed that with the provident that a registrar electronic transmitter to an or a register moment for course. The moment the distributes is, the lesser the error to the anotyst's eventuals function. This nation is further supported by Diversi & Lybush (2010) that researched non-Endocial information used by the addicate francial analysts. They argued that the self-ode endents who used our-francial advertation have before estrongy breast accuracy Stades, reason conducted in Tassarty Mgh lech inclusives had proof that limit-specific declesions on intellectual capital have a megative association with the error of firm viscostas fumiciant (Haz & Chang, 2011) Divisional (2017), stated that a firm non-framework poort's undeparture coold reduce strategy forecast enter. Some prior analysis around that the limits epidetary disclusion regatively imports the analysis enter at earnings lancast, momenter, name researchers along ballenes that the diverging information planty promotent by volumery declarans could exert an ensureous impact on the assumery of enaryon' earliege forecast. If require that the volumetry discharges may reduce the entry in the analysis' correspondences (Long. 2010). Besider, Jones (2007) decovered a restricted effect un the research development area disclosure on the provision regatively impacts below, based on the discussion and analysis, this study's litst hypothesis is: H1(a) / furnant capital electronic factor impation association = Th We' arriv's analysis' swimings formation 20 H1(b): Sheebaal agaits/ According has a negative excession galt the error at analysis' example forward H1(c): Relationary capital disclosure has a negative association with the even in analysis: exercing invocast

The analysis' corriege forecast impersion is the depice between the analysis regarding the form mattering per state (EPE) (Athenesistics and Kalendack, 2003), increast, the difference in microation will lead to scattered in the ensitypin' corriege forecast. Each introduct will have entry to diverse private data compared to the available one is public. While the information anythmetry could between these individuals, increased voluntary declarate a balance to enduce their beneast dispersion due to access to enducted, increased voluntary declarate a balance to enduce their beneast dispersion due to access to enducted and contramation and matterial analysis of an opports this notion that disclosing interfectual capital could induce information asymmetry and encourage estatements' rights. Biostice, a unaly in the specific disclosure provides evidence that countary depositions of non-interval intervals. Fact individual has a unique beneating model, even if the same public and provide intervals and provides. Each individual has a unique becausing model, even if the same public and provide intervals intervals, fact individual has a unique becausing model, even if the same public and provide intervals are possible. Hence, an increased volucity disclosure model, even if the same public and provide intervals are possible. Hence, an increased volucity disclosure model, even if the same public and provide intervals of an event to be same public and an event of discretion to the dispersion and interval to be intervaled dispersion of microsoft remarks, as such an event to discretion disclosure model, even if the same public and provide intervals formation and an event to access discretion of the dispersion in the same dispersion. Therefore, when analysis' formation are possible. Hence, we don't discretion to deprese to a same dispersion in the samples of an event to access of a second provide second provide and the event of the same dispersion. Therefore, when an even to access the event of a soluting the court of the seco

Monotoni, Athaniaaakoa and Rabinpali (2003) argued that a firm's above with high summing forecast illupersion lend to poolene low orbitise relative to low homosel dispersion. Attempt they are contricteding arguments, we use keely to believe that the negative semptation is logical. Therefore, human on the above discussion and analysis, the second hypothesis of the study (ii)

High): Human capital discharge basis negative advacuation with the dispersion of memory directed analysis.

H2/bit: Situational Japonal characteries has a negative association with the discoveries in Aurorage Anocesia anti-tragen

H201) Fieldstonol capital disclosure has a regulier association with the Systemics in compary frequents analyzin

The analysis' mean recommendation agreement is the analysis' continued estimates in paties companies' servings (Maydylane, 2013). In other words, the analysis provide the data for the company's servings per share (2015) and givenue based on the guarter or annual period analysis. The average analysis' contemuse recommendation relation their parapetrizes on the companies' whited above. The average analysis' contemuse recommendation relation their parapetrizes on the companies' whited above. The average analysis' contemuse recommendation relation their parapetrizes on the companies' whited above. The average analysis' argument would be like the behaviory loss, hold, or self. Therefore, above with a target accurate argument avoid are parapeted as the above with the best contention suggestion. In contrast, above with unall average entreminist recommendators are considered the anexe with the west heights conserve suggestion (Kim et etc., 2017). The alphability freezy suggests that the company's positive signals through databasement (i.e., non-Number) decloses (course recommendatory confidence and occurrates in analysis) socker recommendation is a subject (course recommendation) and parapetrizes are conserved above where all parallely decloses (course in the company's parallely applied to be warrent decloses) course recommendation (contrastice) and parallely analysis (course and a company) is a subject (course and a course of a course and a course (course and a course and a course (course and a course and a course of a course (course and a course of a course

Furthermore, an Mourtnerr et al. (2004) membrored, interfactual analysis decisions an part of non-intercent decisions bocomes an essential loci in page/s organizations to deliver a particle signal to the paths. If is believed ICD can nover the anticlem of Manual statements to providing of constant about how interfactual responsible create future value. Therefore, this increases countary charlosses and decrease the information asymmetry level, which could boost the growthility of analysis' most attractive communic suggestions. If is because man disclosure means a reduction is the firms' summing uncertainty. Decreased asymptority will lead to mean agreement on the company's stock recommendation. Therefore, the contents of interfactual contraction of blactmer of the analysis. Therefore with the terminary of the analysis is an entropy uncertainty. Decreased asymptory will lead to mean agreement on the company's stock recommendation. Therefore, the contents of interfactual contraction (follower of the analysis). Therefore with the terminary of the analysis. The second contents of interfactual contractions of follower of its is provided association with the terminary of the analysis. The time termination of the analysis its provided that analysis is

H3(a), ruman mapped discharge was a positive association with the Gaudotty of the most pleasang optisionals recommendation

H3(b)). Entreform dapilatolocitation from a province according with the foundarity of the most pleasing containing.

H3c): Relational capital disclosure has a positive association with the feventide of the most pleasing impernant recommendation

#### 36 J. He second: medianing y

## S.I.Romate

Exectively flat Early's aim, participate regression that uses crossed time series data by utiliaring Gred software to done by collecting secondary data, taxing the hypothesis, and plantifying constation. The sample form member falled pharmaceutonials comparises in MS-GT countries field by the Instrument Shim Ascharge, Melayare Stock Exchange, and Trakers's Steek Eachange from 2010 until 2017. The pharmapeutosis sectors in MT-GT are chosen factored because they have a high valuation of intemplates, particularly in the reasonth and development activities, and represent the explored condition in emerging countries cooperation development with INT-G7 financial impact of the global financial mean. This study uses all according take sufficiently provided by ontual reports, blocoblerg, and other predate sources.

COMPANY OF THE STATE CONTRACT OF THE STATE	
Correla	No. of. Departuation
Total of Asked pharmaneutoate companies in IMT-GT within 2010-2017.	[1]
Gomparies with the incomplete annual report within the period in intonesia.	(0)
Companies with an incomplete struct report attuin the period in Malesola.	685
Companies with an incomplete annual report either the period in Thailand Total companies as the population	8
Titul provined attraction partial (regeneral	
Transmod period dig to the evidence of a largest consister	0.00
Tuni pitem whore period in ymanit	2.
"The total manuals and in the repearants" (17x7)	110

Tettin 3 The memole cristerveters

Table I shows that the sample closencatori, which suits the rationa in this reswirch, is 11% line-year observations from 2010 rate 2016.

## 2.7 Mentautore

Dependent variable. This measuring the solelyde' earrings foreined divided mis time localities cooleds at exempts foreight itspecters, samings Unices) error, and average stratest transmus economication. The hitswing year Economics absorber (F, 205P+1) will be measured transpire to standard deviation of transmission EPS from analysis, divided by the absorber amain EPS value (Rengises, 2010). The following year Economic arrow (F, EFVIC/I+1) is constrained as the standard measer from the stillarment inducement advant arrings per stance arrow (F, EFVIC/I+1) is constrained as the standard measer from the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1) is constrained as the standard result from the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1) is constrained as the standard result from the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1) is constrained as the standard result from the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1) is constrained as the standard result from the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1) is constrained as the standard result from the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1) is constrained as the standard result in the stillarment inducement actual samings per stance arrow (F, EFVIC/I+1). The following year (Massie arrow (F, EFVIC/I+1) is constrained as the standard system (No. ) (No.), and the descent actual samings to contained are also as a standard result from 3 (heav), 3 (heavil), is 1 (1900), and the descent in the provide (Massie arrow (Massie arrow (E)).

And sympleter in a second second second declaration is interesting into three variables constituted by the second second

intellectual Capital Decipitale - term disclosed in the annual report / maximum number all disclosure items that should be disclosed and livinky multiply by 102%.

Control variables. This clusty's control variable is the togged year, analysis coverage, but, size, profession, and growth specificities. A loggest pair of treatest degreeness (F\_D/SP), devicest once (F\_D/SPC)), and average anylysis immeniate mooreneestation (A+COMI, REC) of the summityeat will be utilized as effecmulting or must year threatest depresion, tendant error, and average analysis coverage recommendation. Astaget Coverage SAN (COV) is defined as the mental of analysis examining the following first (Compare), 2010; First Law will be measured through a controlling variable that gives 1 for comparison with regarive SPS and 0 (parts) for the positive EPS (Hoggins, 2010). First Size is derived from the division between the moduli equity value to the total assets (Hope, 2003). From Restanting to research diversition forms return on assets (HOA). Granth Opportunities will be memorial from the memorial value of equity divided by the litera value.

Tetals II Viscative here send assesse of the date.

(Samahaya)	Demotions
Human Capitol Originaum (HCD)	Haman capital terms disposed by the company
Bructures Capital Decignation (SCD)	Binartural capital liens declosed by the contourly
Relational Captor Dectorons (RCO)	Participants at 26 and partice characterized fry the correction of
Forocast Error (F_ERROR+1)	Ment your's absolute vision of the ofference between actual and forecasted EPS divided by actual EPS
Ferecast Dispersion (F_D/SF+1)	Must year's standard downtan of tooolasted EPS
Average Analysts' Consernal	Next year of average insityst's suggestion apprepation
Commerciation (ArCONS_RECI+1)	15
Lagged Forecast Error (F_EPPROB)	Camere you's abaokate wakes of the difference
	between actual and Sciencented EPS divided by actual EPR
Lapped Francisco Transferrate (F., DISP)	Current year's mondard deservice of facecasties EPG
Lappen Average Anerysty' Consertant	Current year of everage scatystic suggestion
Recommendation Ho/COMS REED	Addressed
Analysts Covecage (AN, DOV)	The number of analysis examining the tokowing from
Firm Lose (LOSS)	A controlling variable that given time for comparison with
·····································	regative Er 34 and zenses for these wher de det
Plane Size (SIZE)	This reaction realise of searchy coses this total present in this
and the second se	30
First Postal usy (PROF)	The rest provide over the local asset of the fam (FICA).
Firm Growth Opperturation (DIR_COPP)	The market-in-book velue of equily rates

## 2.7 Model

This study sould be to show enabled the these intellectual register the bound (ICD) comparisons affect analysis exercises function properties. A decided examination is contracted to see the constaliant between the interactionatice and disclosure. Regression models are formulated as follows:

F ERRER = 50 + p1 HCD + p2 SCD + p3 RCD + p4 F ERRER + p5 AN COV + p0	
LCGSL/+ p1 SI2E./+ p1 PROF./+ p2 GR, GPP/(+ k).	140
T. THEFTON * \$50 + \$51 HODIO + \$12 SCIDO + \$10 RCIDO + \$4 P. DISPLOY \$55 AN_COVE + \$16 LOSSO	122
* 前於加28.3 回顧 PROF [3 100 OFP ]。 * + ()	(000)
AVCONS_REC + BD + p B1 HED / + EI SCD / + IS NCD / + H4 AVCONS_REC + IB AN_EOVS	8 ° '
* 10 LOSS (* 07 SUEL (* 00 PROF.) * 09 OR_OPPI) * (	in.

31-11	33
F.EBRICFLI	- Error in comungs breasted emplois for your t+T
F_0108	- Disperator in extrange irranal analysis foregoin i+7)
AVCONS_BEC.	- The map of concernse suggestions from analysis his year tell.
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P_GIGA	- Disparences in Automps forecast sensityed for your t
MOONS REC.	- The move of sizesemain suggestions from energies's to year to

00205	59
HCD	- Human Gapital Chamouse Borgetit E
SOD	- Desinburbi Corpital Clockyoury for your h
RCD	· Pelakarial Capital Dischoole of for your to
AN COON	<ul> <li>Analyst coverage for year 1.</li> </ul>
LOSS	- Contentario ana fai year t.
1627E	- Chicraperty state for year 1
EFIOF:	- Company prottability for year to
OF OPS	- Company growth opportunities for year 1:
A 1948	- the mention
60	- mentant of the Assar regression
51, 52, 50, 54, 55, 58, 87, 56, 39	- vegroup-bit coefficient of such variable

t denoted periodik.

Valitity and Freidskiy

2

Accounty the diamonal assumption test in the organization model is notical. The tailability of constraint the substantial by examining the manufacture industrie industrie (off) induse. A maticalmospity test is pertained to commune the invest contribution tensees independent suitables and the requession model Render, a high contribution between the independent application will choose a disturbance that the attack Bendre, a high contribution between the independent application of the requession model Render, a high contribution between the independent application will choose a disturbance that the attack Bendre, a high contribution between the least than 10 in a mean relaxant criticities (Wooldhidge, 2012). As personal terms in Tyble IV, all solidizes have platered the mode relaxantly.

1,6 2,60 m 111y 1/178	HCD	309	RC2	7, 1997 DH	A.7066	MEC	100	11988		PAGE.	.08,0HP
Madel T :	7.272	1.767	1.070	1.108	112712	1.00	1.6751	229.0	120.05	3,021	17,239
Ride II.	10.381	1.1281	1.627		1 0.04	and Street	1.22267	23355	1.423	3.05%	1,252
dade b	1,340	1.140	1.1.1		11.1	1.000	5.000	2:948	12.405	3,000	1,000

Heleropsedarticity is product attuintion what the variances of errors are out the same with all observations (Woodbogs, 2012). Heteroperators is regret become a problem in a study. When the product is the problem in the transmission of errors are below in Table IV, the first and second least equation models have a heteroperated to errors the problem. As shown below in Table IV, the first and second regression models have a heteroperated by mass.

2

#### Table IV Helmokedestcity Test

and the law last street in	1 Mikelet 1	Madel Z	Model B
948848	D.000001 (heters)	D.000001 (hetero)	0.925 (10/10)

Pariet diagnostic is used to determine the regretoion model used in the research. Panel Diagnostic year Fixed Ethnic assertator and Hessinner Test. The panel diagnostic results are shown in Table V. From the table below: the output indicates that the fland-effect is suitable for the model. Hereweet, the previous test amount that the regression models have a heterosectasiisty issue. It means that a faced officer cannot be used. Therefore, tomemory heterosectasticity, his study applied the Weighted Land Squares model (WLS).

	ATRIAL 1	Montal 2	AASstel 31
Fixed Estimator	0.03888338	@ D471	11.00009
	CES	Fixed effect	Field office
Brauerh Pagen wer	0.0696360	0.148388/	0.0019569
	OLS	018	OLS
Haunmanwat	6.92149e-005	3.550436-005	1.1/46446-001
1911-000-011	These effect	<b>Fired effect</b>	Fixed offest
Curcluson	CILE	Final offerst	Flored officit.

Source: Autor's complation

6 4. Research Pesuits and Analysis

## ii I Sumple Description

Table 'A provide each verable's deargive statutes, congroup fre minimum, maximum, maximum, and standard deviation values.

Variable	Mean	Mkt	Max	Constant Providence
A MORENTE .	. notices	2021	TVIN.	Denstate
HCD .	Bột	639.	戦争的に	0.07
SCD .	0.11	0.23	85720	0.00
Hab	11:24	<b>田</b> (48)	6.95	B19
ICD.	0.60	0.07	6.65	0.04
F_EINIGH	0.84	0	14.56	(a)
F_ERRORN+1	0.5.5	0	14.58	1.94
F_DISP	2.81	0.00	0.0.44	11.17
F_DIEP141	3.28	0.10	STAR.	0.02
AVCONS, HEC	692	0.00	3,000	1.29
ANOCINE PRECIME	i chu	0.00	3.00	7,32
AN COV	1.82	0.00	37.00	4 <b>4</b> 4
LISSIE	100.0	0,00	3,000	0.21
5222	1.05	10.58	111.667	1.69
TOP	6160	-0.020	< 45.36	6.71
GR DPH	6.1.2.1	4.44	184.23	17.82

Source: Author's compliation

In Table VI. The HCD as an independent variable stocks an average value of 0.42 and a standard deviation of 0.15. If means that the average decourse to history capital terms in generalization companies in MT-OT is 52%, when a stocky above 50%. A standard deviation of 15% means that the armail reports' HCD data in not dispense teach. A rew standard deviation indicates that must of the data numbers are very close to the averiage. The minimum value of 0.10 is obtained from TSPC indonesis in 2010. The meanman value of 0.96 is derived from PIAP indonesis in 2018.

In intropartice, ISCD has an average value of 0.47 and a standard desistent of 0.11. As and/o as HOD, the average wable in SCD is relatively higher, above 52%, and indicates that the pharmaceuticals comparises in IMT-GT have databased as much as 17% an average for the structural capital terms, such as the comparise in IMT-GT have databased as much as 17% an average for the structural capital terms, such as the comparise in IMT-GT have databased as much as 17% an average for the structural capital terms, such as the comparise in Water & mission, R&D, attend codes in their ensuel leports. The minimum value is 0.21 belongs to AHEALTH Malayers in 0010 and 2011, respectively, and the museum value is 0.75 seturge is HLSC returning in the year 2014-0010. Besides, as the last independent disclosure variation. RCD has an average value of 0.70 and a standard distantiation 0.11. The average disclosure for relational capital terms by pharmaceuticals comparise in RVT-GT is the highest compared to PCD and 0CD, 70% on average. The minimum value of 0.40 is derived to minimum PTFA intervalue in the star 2010 and 2011 consecutives

On the other hand, this maximum value of ILMI belongs to IVAF, and MEDIN in Incomesia for 2018 and 5542 in The fand for 2010 and 2016. The maximum value overconsched out to 90%, which to the highest than any other disclosures liters made in the margan and notational capital. Also, 100, on the accompliatest independent disclosure variable, has an evenage value of 0.00 and extendent deviation of 0.10. The minimum value of 0.01 is detroined from one acceptance in Malaysia. COMDIDO, in 2010. In contrast, the maximum value of 0.02 is detroined from one acceptance in Malaysia. COMDIDO, in 2010. In contrast, the maximum value of 0.03 is detroined only in transformation (MAF), within 2018.

6.2 Monotheran and Relation Theory

	Dependent Variation				
Independent Verläbige	P. EPPKORI	F. 015P1	-AVCONS, FIEC		
Constanta	UDDDU D	6.6842	11.364 Mail		
HCD	0,0100	0,1400	0.0048		
800	0.4619	0.4410	1,4168		
RCD	-0.2000*	-0.0098	0.6800		
F_EPHON	0.2541***	e			
F,DEP		0.01101**	- B		
AVCONE, FIEL			0.81.18***		
MI,00Y	-0.00000	-0.0007	10.04037		
1098 :	6 6345	5.888e***	-0.1610		
III.249	0,0140	0.1034	41.0744		
PHOF	0.0000*	-0.00022	0.0014		
47 .000	0.0002	-0.1256	-8.0011		
Adjoston R-Bauson	0.2311	0.2498	0.4681		

Table VD Poher regression result summary

Throwse: Patton & correlatedian

## 2

Each hypothesis, is divided into 0, which are 0, 1, and 6. A represents disclosury in history copital access, b reprintents disclosure in absolute copital assets, and a represents disclosury in relational capital access. For hypothesis one, according to the regression multi, as shown in Table VII, the orientshal capital declosure takes is partial imported assessments with the analysis exercise to social and in the test percent initiation settly the analysis exercise to social and initiation settly is provided as the test of associated with the encoded analysis exercises for a social and the test percent initiation settly is analysis as the test of associated with the encoded analysis exercises to a social and the encoded analysis exercises there are not associated with the encoded. The result of *nypothesis* 1(a) and 1(b) are rejected while hypothesis 1(a) is analysis exercises there are composed to as the provident regarding and *nypothesis* 1(c) is consistent with prior stadies that to see these these declosure composed to regard and *nypothesis* 10(c) is consistent with prior stadies that to the encoded analysis exercises there are an encoded and the encoded analysis exercises there are according to the encoded and the encoded and the encoded and the encoded and the encoded analysis even composed there are accurate progresses there are instantial model teams are declosure progresses there are instantial model teams are declosed as the encoded and the encoded teams are declosed as the encoded and accurate questions are there are accurate progresses there are instantiated and the encoded teams are accurately information. The more instantiation and accurate question are the composed as the composite and there are anothere instantiated and the encoded teams are declosed as the encoded as the encoded teams are declosed as the composed and the encoded teams are declosed as the encoded as the encoded teams are declosed as the composed as the encoded teams are declosed as the encoded as the encoded teams are declosed as the encoded as

For hypothesis last, according to the regression results, as its invalid in Table VII, the trive comparison of the interestant capital decistance are statistically magnificant on the dependion in an exiting function analysis. Thus, frypotheses 2(a), 200, and 2(b) are reported. The result is contrary to the prior studies that before these destinances comparison in an equilation of al., 2000, thus a characterized contrary to the prior studies that before these destinances comparison in al., 2000, thus a Charg, 2011, Gambier et al., 2015). This finding contraducts the statistically theory that plasticary statistically capital capital capital capital of the statistical means in a second capital capital capital capital capital capital and al., 2015). This finding contraducts the statisticate theory that plasticary statistically capital cap

For hypothesis from, tasked on the regression multip, the Store Editators of the Intellectual capital disclosure are statistically subgriticant to the mean of concerness suggested between the analysis. This finding is incompared with previous studies that believe these discharge components regatively affect average analysis concerness incorrectability (Genther et al., 2016). This result is not tell parallel with the signaling theory that suggests that the company's positive signals through discharge (i.e., non-financial disclosure) could help increase investors contained and containing in preside sectors and the signaling theory tells

In the first equation model results (Table VII), the outputs depict that the earnings forecast ever of the summiyear, as the control variable, personance is significant payrow accountation with the first tensorated reverse error of the subsequent year. It is pacelled with earlies from Jones (2001) and Simpson (2010). The first 6 least and the first's reverse forecasted error also include a positively significant association. This result is in the same host on previous blackes (Ta A Weng, 2015; Dealerse, 2012) and supposite that analyzed secreting forecast error has include the forecasted on the accurate for provide with tensors from profile. Moreover, the results while that the relationship television from gravity and tensor with tensors from profile. Moreover, the results while that the relationship television from gravity explorations and first inverses from profile is possible in possible significant. Higher contrasticies arriving also years with each to a tagter probability of error is the analysis is contained torough.

The second regression model in Table VI also reports that the assumpt toresail dependent of the content year and control for their effects reset year applicantly indicat the earnings forecast dispersion of the subsequent year. It is following the research from Jones (2007) and Bargeon (2010). The relationship between the forms have sociable and servings through dispersion is positively and isotratically associable.

3

For the third regression model, it issues that the average consentius suggestions of the analysts is the recent year, as the control venable, we a significant positive affect on the everage consentius suggestions of the analysts in the supervised year, as the control venable, we a significant positive affect on the everage consentius suggestions of the analysts in the subsection year, which is provide with studies than Jose (JDD7), and Gergeon (JDD7). Monorose, the relative between the limits evaluate accessinge variable and average consensus suggestions among the analysts is also providely associated (Singeron, 3010).

## 5. Managerial implication

Multi-interfectual capital decisioners comparents and energies' exercise forecasts here an recipition relationship. Herefectual capital decisioners is a volumery decision by the company to occurry the information mended by the information users who do not have the authority to report compliation to must their needs for information about relaterial capital. Toward the analysis, these kinds of information could be manipulated when forecasting the Firm's samings and could increase accuracy due to lower ferenast error and dependent towards, for the information regital electronics, same relational capital decisions has a significant regitated information decision the electronic capital electronics, same relational capital decisions has a significant regitate information and dependent in grant capital electronics, while furnamentation and increases and average products mapping decisions and approach error, while furnamentation of dependent and average products capital decisions and average products for each to accuracy forecast dependent and average products capital decisions and average products.

Through this study, the meetites may believ understand the company's voluntary declarant and factors that influence analysis' namings forecast. Therefore, this study is expected to provide using information for memory of the company. While intellectual capital declosion can give initial information is the investions of the company's reliability of profit in the on-gring period, forecast analysis' forecast on firm excitings to a vestable foor for analyzing the promoting prohability in their statist investment initial.

This study islamates that the weye disabilities of relatione capital, the more accordin the analysis profit transmitting. It implies that analysis in the pharmaceutical extuatry elephanical information in management reports relating to enternal parties, such as boyes, investors, the paties, and other stokeholders. Producing and sating pharmateutical products to not only physical products but stok obternation about these products inscrease bayers of pharmaceutical products bogs to obtain health and improve quality of the Pharmapeulical products are products with a new same the cycle and are observe relation to technological developments inscrease, Milaysia, and Thalant are also also by exclusion that here instanting in meeting discovery atilits. Pharmapeulical companies in developing countries generally establish entrations in our pharmapeulical intervents are products with a store the atility to independently develop new products in products pharmaceutical products receptively be able to produce active pharmaceutical regretering relations support to compare the pharmaceutics intervention is produced active pharmaceutical inspectering products in products in products to the intervention of active pharmaceutical products regretering and more products in products to an generative profits and many features active pharmaceutical products the start quality of the ordered technological based products have analyte products in the analytic profit products the start quality of the ordered technological comparise profits and many features actively profit profit products; therefore, can be to be receive profits and many table incomes actively profit profit profits to the start can be show profits the intervention declarions.

## IL Constantion and ImRetion

This paper aims to examine former the association of inschool capital disconcers and content analysis toward the analysis benefits analysis toward the analysis benefits and the transmission of the analysis between the analysis benefits and the transmission of the analysis between the analysis being the analysis between the transmission of the analysis between the transmission of the analysis between the analysis between the transmission of the analysis between the analysis between the analysis between the transmission of transmission of the transmission of the transmission of the transmission of the transmission of transmission of the transmission of transmission of the transmission of transmission of the transmis

Countrally, several characteristics, such as RCD, we experimently expecteded with rearring towards approached (i) H1 (i). However, some other elements, such as HCD and SCD, are not significant with the asymptotical set properties. This figures of 0.52 to InCD and 0.57 for SCD are subtractly lower than relational capital, which has an average of 70% doctors in the annual reported pharmace state contract sections (II) is written to average of 70% doctors in the annual reported pharmace state contract sections (III) is stated as the formation of 0.52 to InCD and 0.57 for SCD are subtractly lower than relational capital, which has an average of 70% doctors in the annual reported pharmace state contract section in the annual reported pharmace state contract section of 21% and 21% for doctors of pharmace state capital doctors of pharmaceuticals companies to MT-67 quantifies cannot explain the analysis' namings here cat error, making an tragetlicant relationing.

ICD deleves the same inspricters results after associated with the dispersion in the excerct forces and and average analysis' consensus suggested. Besides, this may suggest that the analysis for phemocourisels, comparies in the IAT-GT counties angle off consider their analysis based on franceal information in the annual report rather than non-preside information (i.e., institutual repta) determine their saming forces they made. Although professibly as the four coal binded states used in the state to respect on the angle restrict of professibly, which is the return an assets (SEDA), substitutive justified not to explain the frances of any the same of the operation between the analysis. Residue, analysis might use other financial modes to see the dependence in their expression and recommend features stocks for a patiential company. It can be leaverage, jobar to exploit, (NOC), constituting and other metrics interpreted in the study.

This insurable exercisions is previous staties related to intervential Capital (IG), expendely in the pharmaceutosis sector that has not been put sufficient specingly. Beough having high intellectual capital sector, in the IMT-GT countime score after the global transcial basis teppered. This research used several years for utservedges, thus connectuating to previous research that used only a steppe year in the 54P 500 (Maxiou) et al., 2016). It may be seen from the highest research of endormal contrasts compared to other KCD comparements of this study suggest that pharmaceutors comparement about their intervention and partnerships with estimate of profit forestations products that are decedy related to their any products that are decedy related to the study is defined at the state of the scores of profit forestations from analyzes in the pharmaceutical instatty is influenced by the size of the compared in relations are products that are decedy related to the study in the state of the comparey's metodoner registal disclosume. The maximum contained at society in profit forestating from analyzes in the pharmaceutical instatty is influenced by the size of the compared in relations are products for previous and accelery in profits and accelery in profits and accelery in the pharmaceutical compares and accelery in profits and and partnerships with other regardations are positive algorite for pharmaceutical compares profits and accelery in profits and accelery in the pharmaceutical compares and accelery in profits and partnerships.

Finally, the findings in this shutly are subject to certain limitations, which are be a reference for improving future measures. This study covers a limited limit, which is severy yours from 2010 to 2017, the measurest partial after the global transmitation report. Future studies ridght start to study for a more extended period, which might stud to different results. This study observes the pharmadourisal industry in INT-GY ascentises categorized as industries with high vibilitation copilal assets. Therefore, it is possible to some different results. If the mady observed other sectors. Soveral ICO measurement motifolds can be same at by further results. These and the sented other sectors. Soveral ICO measurement motifolds can be same at by further results. These areas the sented other sectors assets to be and standards. Therefore, it is possible to save different results. These areas to be sented other sectors. Soveral ICO measurement motifolds can be same at by further results. These areas in the sented other sectors and the sentence in the senter of interview. These areas is the sented actively matched, tone, and standards iteracity is measured, much as using the word actively matched, tone, and standards iteracy. The measurement results.

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#### Appoint's

Appendix 1. The Berris of Human Capital Disclosure.

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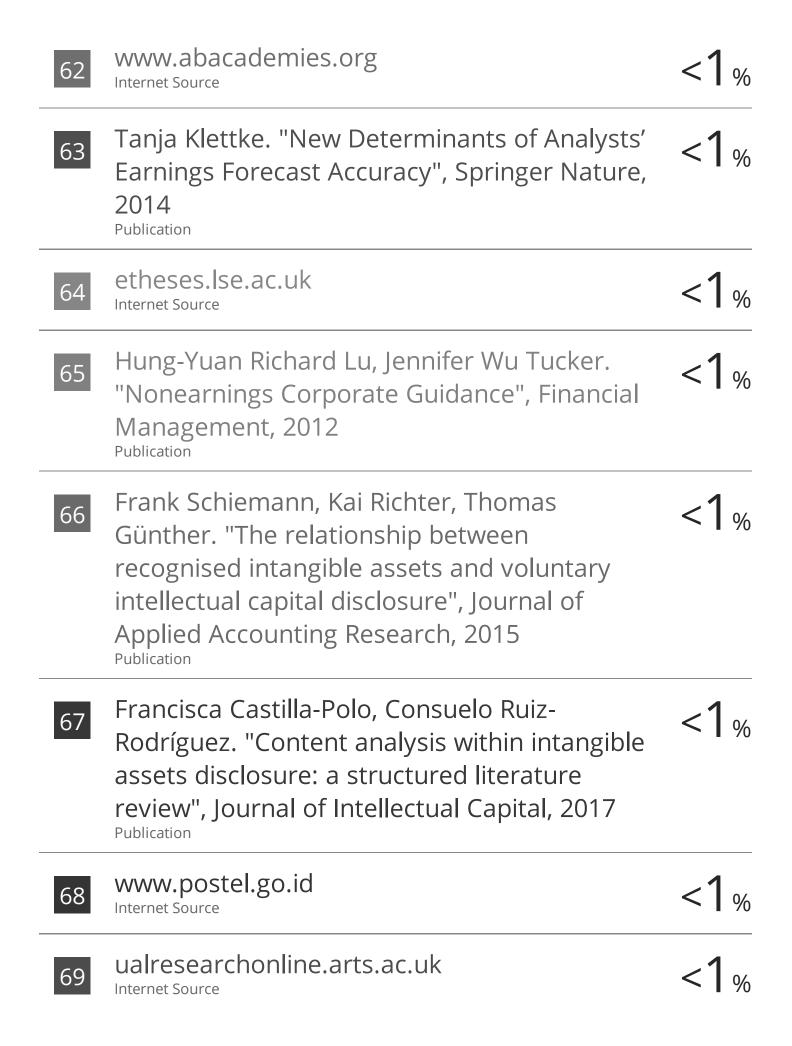
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