COST OF EQUITY CAPITAL AND REAL EARNINGS MANAGEMENT ON LISTED COMPANIES IN LQ-45 AND JAKARTA ISLAMIC INDEX

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ABSTRACT

This current issue of the changes in earnings management practice has moved on accrual earnings management to earnings management based on real activity. Earnings management practices had done by manager makes the earnings opacity. It means that the profits information from companies can not describe the true economic profit. The earnings opacity would increase the cost of equity capital because investors will increase the required rate of return. Generally, this study aimed to analyze the effect of real earnings management, company size and stock liquidity on the cost of equity capital. The research sample is 259 companies listed in LQ-45 and 208 companies listed in Jakarta Islamic Index (JII) during the 2004-2015 periods. The sample selected by purposive sampling. The analysis showed that the real earnings management, stock liquidity do not significantly effect on the cost of equity capital, while the company size significantly effect on the cost of equity capital.

Keywords: real earnings management, stock liquidity, company size, cost of equity capital.
INTRODUCTION

Investors are always looking to get compensation for their investment in the form of dividends and capital gains. As a consequence, the company must provide returns that are economically increasing from the previous period. The return on investment which is expected for investors is the cost of equity capital. According Fakhruddin (2008: 42) cost of equity capital is a cost for companies that use ordinary shareholders' funds, which are caused by investors' expectations for return ownership of these shares. The cost of equity capital can also be considered as the desired level of funding in the company (Novianty, 2009). Meanwhile, according to Martono and Harjito (2008: 207) the cost of equity capital are costs incurred by companies which acquire funds by selling common stock. So the cost of equity capital is the cost incurred by the company to meet the level of return on investment expected by the investor for an investment that has the same risk.

The problem of measuring the cost of equity capital is still debate. To measure the cost of equity capital depends on the valuation model used by the company (Mandy, 2005). According Botosan and Plumlee (2000) Charisma (2006) used assessment models, which are Constant of growth valuation models; Capital Asset Pricing Model (CAPM); and Ohlson Model. However, the valuation model used in this paper is Ohlson Model because to estimate the value of the company should be based on the book value of and most researchers used Ohlson model. Ohlson (1995) presents a model that links the company's equity at book value and its market value. Dechow et al (1999) mentioned that the model Ohlson significantly improve on financial accounting research. Atyeh and Al Rashed (2015) states that the model Ohlson able to give a clear view of the financial situation base on the capital structure and performance in the capital markets. Furthermore, research conducted by Crae and Nilsson (2001), Choi et al (2001) in Sweden and the United States proof that the Ohlson model is applicable and efficient.

One of the factors that influence the cost of equity capital is earnings management. Earnings management performed by the manager is proxied by real earnings management. According to previous studies that investors are anticipating correctly the information associated with accruals. Utami (2005) prove investors realize that earnings management practices carried out by the issuer, then they will do anticipate risk by raising the estimated rate of return on stocks required (Dechow et al., 2000). Therefore, earnings management will tend to increase the company's cost of equity capital. Investors realized that earnings management practices carried out by the issuer, then they will do anticipate their risks by raising the level of stock returns are required. Research on the effect of earnings management on the cost of equity capital has been done by some previous researchers, including Utami (2005) and Chanrera (2011). Their results prove that earnings management has a positive significant impact on the cost of equity capital, so that the higher the level of earnings management, the higher the cost of equity capital. However, research findings Kharsima (2006) states that the earnings management has negative impact to Cost of Equity Capital.

Company size is another variable that affected the cost of equity capital. Company size indicates the size of the available information. Risks in investment into the company will be increased, when information about the company and are usually difficult to obtain more information available to larger firms than smaller companies (Pure, 2004). The size of the company also has a correlation with the cost of equity capital. The larger the size of the company which is proxied by total assets, will have a smaller risk (Asbaugh and Collins, 2008). According Banz (1981), investors will demand a higher rate of return on a company that has a high risk. With a growing level of return expected by investors, the cost of equity capital issued by the company will also increase. Companies have to compensate for the level of return expected by investors by increasing dividend yield.

Previous studies have shown that the size have an effect on cost of equity capital. Annin (1997), Omran and Pointon (2004) and Kien Pham, Suchard and Ztein (2005) got empirical evidence of firm size is negatively impacted to the cost of equity capital. Botosan (1997) states that the size of the company's significant influence on the cost of equity capital. The research by Solechan (2009) found that company size has significantly influence on the cost of equity capital, because the cost of equity capital is the rate of return that should be generated by the company on the investment to maintain the value per share (Novianty, 2009).

Stock liquidity and risk are important consideration for investors when they invest the funds. In general, a stock is liquid when it can be bought or sold quickly with large quantities and stated the price (Pastor and Stambaugh, 2002). So investors want a higher expected return when occurred illiquid stocks transaction. This statement is also supported by
Acharyaa and Pedersen (2005) found that the expected return will grow in line with the level of market liquidity. The increasing in the expected return also means an increasing in the cost of equity capital issued by the company.

The previous research about earning management and cost of equity capital is inconsistent. Utami (2005) prove earnings management will tend to increase the company's cost of equity capital. Furthermore, Chanrera (2011) prove that earnings management has a positive significant impact on the cost of equity capital, so that the higher the level of earnings management, the higher the cost of equity capital. However, research findings Kharisma (2006) states that the earnings management has negative impact to Cost of Equity Capital. The current research about earning management also changed from accrual based to real activity. Graham et al (2005), Roychodwury (2006), Cohen et al (2008), dan Joosten (2012) proved for understanding real earning management beside management doing accrual earning mmanagement. Meanwhile Yu (2008), Zang (2012), Degeorge et al (2013) dan Enomoto et al (2015) showed that companies are not only doing accrual earning management, but also doing real earning management based on situation faced by companies. So, the purpose of this study is to analyze the effect of real earnings management, company size and liquidity on the cost of equity capital in the listing companies in the LQ-45 index and JII (Jakarta Islamic Index).

LITERATURE REVIEW AND HYPOTHESIS

1. Earnings Management and Cost of Equity Capital
Earnings management is management intervention on the process of financial statements preparation that led to accounting earnings numbers will increase or decrease according to the interests desired by the manager. Generally, earnings management can be done in two ways, namely accrual earnings management and real earnings management (Graham et al., 2005), Roychodwury (2006), Cohen et al (2008), and Joosten (2012). The choice of earnings management method depends on the effectiveness cost of these methods, either accrual earning management or real activity (Enomoto, 2015).

Real Earnings management can be done in various ways. Roychowdhury (2006), Cohen and Zarowin (2010) states that real earnings management can be done in three ways: 1) increasing sales by providing discounts and take easier for getting credit; 2) Doing the production excessively so the fixed cost per unit is lower and leads to increase operating profit; 3) reducing the discretionary expenses such as advertising, administration and research - development costs.

Sunarto (2008) found earnings management resulted in the obscurity of information that will increase the risk of information. The increasing in required rate of return is the basis for determining the dividend, so the increasing in the risk of information will increase the dividend. Brigham (1983) stated that the cost of equity is the amount of dividends paid by the companies. The earnings management practices will increase the cost of equity as the impact of the increase in the risk of information. The research conducted by Tsang and Edelstain (2009), and Vita and Rahmawati (2010) found that companies that have earnings management, the dividend pay out ratio is higher.

Relation with the asymmetric information which caused by earnings management practices, Bushman and Smith (2001) have identified three channels of the information would affect the cost of equity capital, namely: 1) the accounting information that will help investors in selecting good investment and decreasing the risk estimation followed by a decrease in the cost of equity capital; 2) a good accounting information will facilitate investors in selecting the good management that will reduce agency when followed by decreasing in the cost of equity capital; 3) the vagueness of information can lead to asymmetry of information that led to reduced liquidity so that the transaction costs will be enlarged. With the greater the transaction costs, the required return will be increasing.

Research about the effect of earnings management on the cost of equity had done by Dechow et al (1996), Utami (2005) and Valipour and Zerenji (2012) which have evidence that earnings management has positive influence on the cost of equity capital. So, the hypothesis can be formulated:

H1: Real Earnings management affects to Cost of Equity Capital

2. Company Size and Cost of Equity Capital
The size of the company is a scale for classifying large or small companies in various ways. Many researchers used log total assets (Marihot and Doddy, 2007), log total sales (Nuryaman, 2008), the average sales (Brigham and Houston, 2001) and market capitalization (Halim, et al., 2005).

The company size used as a variable in determining investment decisions. According to Jao (2012), holding a large-scale company had broad interest of policy which impacted to the public interest and have implications for the future cash flow. Large companies considered to have reached the stage of maturity, the company was stable and has more ability to generate profits (Sugiarto, 1997). According Indriani (2005) the company has reached a stage of maturity. At this stage, the company has a positive cash flow and has good prospects in the future. Fama and French (1993), Ausbagh and Collins (2008) found that large size companies have a smaller risks. Companies can reduce the cost of debt interest payments and dividend payments so the cost of equity capital is also smaller.

Research conducted on the effect of firm size on the cost of equity capital found that firm size is negatively effects to the cost of equity capital (Annin 1997; Omran and Pointon, 2004; Kien Pham, Suchard and Zein, 2005). But from another perspective, the size of the company showed a stage of life cycle (Yan, 2005). It means that a large-sized enterprise has reached maturity cycle. (Sugiarto, 1997 and Indriani, 2005). At this stage the company is no longer doing massive business development so that the company's profit largely distributed to shareholders as dividends. Ree (1990) found that the size of the company's positive effect on the amount of the dividend payout ratio. Then, if the amount of the dividend is used as a component in calculating the cost of equity, the greater the dividends paid the greater will be the cost of equity. So the hypothesis can be formulated:

$$H_2: \text{The company size affects to cost of equity capital}$$

3. Stocks Liquidity and Cost of Equity Capital

Generally, the stock is high liquidity if it can be sold quickly and in large quantities without significantly price changes (Butler et al, 2002; Bogdan et al, 2012; Kumar and Misra, 2015). This shows that the trade volume plays an important role in describing the level of liquidity of shares where trading volume suggests that the market is able to accommodate the sale of shares in large quantities without significant price changes. According to Butler et al (2002); Brigham and Michael (2011); and Hsu and Yu (2015) that the large trading volume illustrates the high level of liquidity of stocks.

The liquidity should be seen from the fourth dimension, namely the trading time, tightness, depth and resiliency (Wyss, 2004). Trading time is a dimension that is related to the ability to conduct stock transactions or other assets quickly and at a reasonable price. Tightness is the ability to trade assets at the same price and at the same time anyway. Depth is the ability to sell or buy shares or other assets without causing significant changes in the price. It describes the amount of trading volume that any shares are bought and sold by investors can be accommodated by the market. Resiliency is the ability to buy or sell certain assets without obtaining a significant influence on price quotations. If the depth of the market just used volume indicator at the time of bid or ask, the resiliency is also considering the elasticity of supply and demand. It is usually measured through intraday returns, variance ratio or liquidity ratio.

One of the reasons investors to invest in the stock market is the level of liquidity stocks. High liquidity means the investor is able to sell or buy the stock quickly and in large numbers. Diamond and Verecchia (1991) states that the high stock liquidity will attract large institutions traders to take a position and increase competition with the market maker who in the end will reduce the volatility of the company's stock price. With reduced volatility, the expected return is desired by the investor is lower.

Research Bekkaert et al. (2006) showed that liquidity has a positive effect with the return. It means that the greater the degree of liquidity, the returns are also higher including the dividend yield. With a high dividend yield, the cost of equity is also getting higher. According to Foucault (2006) deficiencies in the level of liquidity will lead to higher transaction costs because investors can not sell or buy securities at the desired price. So they sell the securities at a lower price or buy securities at a high price. These losses included in the cost of the transaction. High transaction costs resulted in investors need higher returns to cover transaction costs. So the hypothesis can be formulated:

$$H_3: \text{Stocks Liquidity effects to cost of equity capital}$$

RESEARCH METHODS
1. Population and Samples
This population is a company listed in the JII and LQ 45 Indexs. The samples selected by purposive sampling method with the following criterias:
1. Companies listed in JII and LQ 45 index during 2004-2015 periods
2. Companies that publish their financial statements in ordered number during 2004 - 2015 periods.
3. Have the completed data used as variable measurement

2. Variables Measurement

Dependent variables
The dependent variable is the cost of equity capital that calculated by Ohlson or EBO model. Researchers chose this model because, Atyeh and Al Rashed (2015), found the Ohlson model is a leading model in linking the price of stocks, the book value and the cost of capital that are expected to be more representative in examining the relationship between the independent variables on the dependent variable. The EBO formulas can be describe as follow:

\[ P_t = B_t + \sum_{r=1}^{T} (1 + r)^{-r} E_t \left[ x_{t+1} - rB_{t+r-1} \right] \] ............................(1)

- \( P_t \) : stock price at the year t
- \( B_t \) : book value per share at year t
- \( x_{t+1} \) : earning per share at year t+1
- \( r \) : cost of equity capital

To estimate EPS at year t+1, used Random Walk model as follow:
\[ E(x_{t+1}) = x_t + \delta \] .................................................... (2)
\[ E(x_{t+1}) : \text{EPS estimated at year } t+1 \]
\[ x_t : \text{EPS actual at year } t \]
\[ \delta : \text{Drift term is the mean of EPS growth during 5 years.} \]

For estimating earning the next period (t+1), used mean of EPS changing during 5 periods. So, the cost of equity capital estimated on formula (1) can be simply as follows :

\[ P_t = B_t + (1 + r)^{-1} [x_{t+1} - rB_t] \] ............................(3)
\[ x_{t+1} \] is EPS on year t+1 which estimated with Random Walk on formula (2). So the simply model will be describe on formula (4) as follow:
\[ (P_t - B_t)(1 + r) = (x_{t+1} - rB_t) \] ............................(4)

So, the cost of equity capital formula is :
\[ r = (B_t + x_{t+1} - P_t)/P_t \] ....................................................(5)

Independent variables

1). Real Earnings Management
Real earning management measured by Rychowdhury (2006); Idris (2012); Trisnawati, Wiyadi and Sasongko (2012); Masoumi and Tirkolaei (2013). The measurement used three proxies, they are abnormal cash flow operations, Abnormal production cost, and abnormal discretionary expenses. Abnormal CFO is operating cash flow manipulation that cause the lower cash flows than it should be, while the cost of production is the manipulation of abnormal production costs resulting the higher costs than the normal cost of production. The abnormal discretionary cost is earnings manipulation through advertising costs, cost of sales and research development expenses. Abnormal costs used residual value which represents the difference between the estimated value of the company and the real value. These measurement can be formulated as follows:

1) Abnormal CFO
\[ \text{CFO}/A \ t-1 = a_0 + a_1 (1/\text{Log } \text{At-1}) + \beta_1 (S/\text{At-1}) + \beta_2 (\Delta \text{St}/\text{At-1}) + \varepsilon t \]
2) Abnormal Production Cost
\[ \text{PROD}/A \ t-1 = a_0 + a_1 (1/\text{Log } \text{At-1}) + \beta_1 (S/\text{At-1}) + \beta_2 (\Delta \text{St}/\text{At-1}) + \beta_3 (\Delta \text{St-1}/\text{At-1}) + \varepsilon t \]
3) Abnormal Discretionary Expenses
\[ \text{DISC/} A_{t-1} = a_0 + a_1 (1/\log A_{t-1}) + \beta_1 (S_t/A_{t-1}) + \epsilon_t \]

Where:
- \( A_{t-1} \) = Total assets of the company at the end of the year \( t-1 \)
- \( S_t \) = Total sales at the end of \( t \)
- \( \Delta S_t \) = Difference in sales this year with sales in year \( t-1 \)
- \( \Delta S_{t-1} \) = Difference in sales in year \( t-1 \) with sales in year \( t-2 \)
- \( \alpha, \beta \) = regression coefficient
- \( \epsilon_t \) = error

3). Stocks Liquidity
Liquidity describes the ability of a stock to be traded immediately, in large numbers and without significant changes in price. One of measuring the liquidity of the stock is to use the trading volume. (Butler et. al., 2002). Brigham and Michael (2011) explain that the trading volume or liquidity is the ability of a stock to make transactions quickly at reasonable price levels. Sunarto (2008) explains that trading volume can be measured using three methods, they are the amount of the transaction, the total value of shares as well as the number of shares traded. The Trading Volume Activity (TVA) is often calculated as the ratio between the total values of share traded divided the number of shares outstanding.

\[
\log \text{Transaction value} = \frac{\log \text{Market capitalization}}{TVA}
\]

3). Company size
The size of the company is a scale used to classify a large or small company. In this study, the size of the company is measured as nature log (ln) of total assets. This measurement refers to Lukani (2013); Swastika (2013); and Ali et al. (2015).

Hypothesis testing
To test the hypothesis, we used multiple linear regression analysis. It was used to predict the relationship or the effect of EM, liquidity and size to cost of equity capital. Multiple regression equation in this study was formulated as follows:

\[
y = \alpha + b_1 X_1 + b_2 X_2 + b_3 X_3 + b_4 X_4 + b_5 X_5 + \epsilon
\]

Description :
- \( y \): cost of equity capital
- \( \alpha \): constant
- \( b_1, b_2, b_3, b_4, b_5 \): regression coefficients
- \( X_1 \): Abnormal CFO
- \( X_2 \): Abnormal Production Cost
- \( X_3 \): Abnormal Discretionary Expenses
- \( X_4 \): Company size
- \( X_5 \): Stock Liquidity
- \( \epsilon \): error

RESULTS AND DISCUSSION
Descriptive statistics
The description of real earnings management, company size, stock liquidity and cost of equity capital in companies listed in LQ 45 and JII indeks can be explained in Table 1.

<table>
<thead>
<tr>
<th>Variable</th>
<th>LQ 45 Index</th>
<th>JII Index</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>Abn. CFO</td>
<td>-0,530</td>
<td>0,884</td>
</tr>
<tr>
<td>Abn. Pro. Cost</td>
<td>-1,916</td>
<td>0,739</td>
</tr>
</tbody>
</table>
From Table 1, it showed that the company listed in LQ45 and JII have a positive abnormal CFO. This means that earnings management is done by raising the operating cash flow. These operations can be done by making policies related to the sales, such as give the discount or reduce the terms of credit application, so the volume of sales increasing.

Abnormal production cost is the manipulation production to result the higher or lower valuethan normal production costs. In a company listed in LQ45 index, the average abnormal production costs is positive, so the earning management tends to raise the cost of production. While on company listed in the index JII earnings management performed by the lower production costs.

Discretionary Expenses are abnormal earnings manipulation through advertising costs, cost of sales as well as research and development expenses. Based on the descriptive statistics can be seen that the companies listed in the LQ 4, they did earning management with the pattern increasing the advertising costs, cost of sales and research and development expenses. While the companies are listed in the index JII, the earning management value has the pattern decresing advertising costs, cost of sales and research and development expenses.

Stock liquidity describes the ability of stocks to be traded immediately, in large numbers and without significant price changes. Based on the descriptive statistics can be seen that the companies listing in the LQ 45 index, the average liquidity of the shares is 0.966, it shows that the value of the average companies transaction listed in LQ 45 index is 96.6% of the entire market capitalization. While the companies listed in the JII index, the average companies transaction in JII index is 96.3% of the entire market capitalization.

The size of the company is proxied by the natural logarithm of total assets (log total assets). Based on the descriptive statistics, it shows that the companies listed in the LQ 45 index is 13.154. While the companies listed in the index JII is 13.130. This means that companies listed in LQ 45 and JII is classified the large companies.

Cost of equity capital is the rate of return that should be generated by the company on the investment to maintain the value per share. Based on the descriptive statistics showed that the companies listed in the LQ 45 and JII indeks have a negative value. This means that investors have expectations of return that will be accepted are low.

**Hypothesis Testing and Discussion**
Multiple regression analysis was conducted to prove the influence of independent variable to dependent variable. In this study, we used it to determine the effect of real earnings management, liquidity and size of the company to the cost of equity capital on listing companies in LQ 45 and JII indeks during 2004-2015 periods. The results the analysis can be seen in the following table:

<table>
<thead>
<tr>
<th>Variable</th>
<th>LQ 45 Index</th>
<th>JII Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Constant)</td>
<td>-0.488</td>
<td>-0.732</td>
</tr>
<tr>
<td>Abn. CFO</td>
<td>0.029</td>
<td>0.018</td>
</tr>
<tr>
<td>Abn. Pro. Cost</td>
<td>0.026</td>
<td>0.008</td>
</tr>
<tr>
<td>Abn. Dis. Expenses</td>
<td>0.017</td>
<td>-0.024</td>
</tr>
<tr>
<td>Stock Liquidity</td>
<td>-0.223</td>
<td>0.227</td>
</tr>
<tr>
<td>Company Size</td>
<td>-0.018</td>
<td>-0.033</td>
</tr>
<tr>
<td>F value</td>
<td>3.596</td>
<td>5.109</td>
</tr>
</tbody>
</table>
Companies listed in LQ 45 and JII indexs. The rating of stocks companies in Indonesia has high liquidity so their cost of equity capital in the company.

Based on the Stocks Liquidity and Cost of Equity Capital (2004), Utami (2005), and Rinobel (2015) found that earnings management accrual has positive significantly effect on the cost of equity capital in the company.

The manager still focus on the manipulate earnings accrual rather than just focus on the company's current earnings. The test of the effect abnormal production costs did not significantly on the cost of equity capital in companies listed in LQ 45 and JII. Finally, the abnormal discretionary expenses did not significantly affect to the cost of equity capital, both companies listed in LQ 45 and JII. It means that the manipulation earning by increasing the cashflow made by the manager had no effect on investor expectations of their return which they will receive. This is most likely due to more investor focused on the fundamentals of the company as a whole not only focusing on the company's current earnings. According to data released by Kustodian Sentral Efek Indonesia (KSEI) in 2015, institutional ownership companies in Indonesia reached 62.8%, it means the majority of investors in the Indonesian stock market is an institution investor.

Froot et al (2000) stated that major institutional investors have analytical skills good investment, it is not surprised on earning number, but they are more focused on the fundamentals of the company as a whole rather than just focus on the company's current earnings. The test of the effect abnormal production costs did not significantly on the cost of equity capital.

Earnings Management and Cost of Equity Capital
Based on the table 2 and 3, it showed that abnormal CFO did not significantly affect to the cost of equity capital, both on companies listed in LQ 45 and JII. It means that the manipulation earning by increasing the cashflow made by the manager had no effect on investor expectations of their return which they will receive. This is most likely due to more investor focused on the fundamentals of the company as a whole not only focusing on the company's current earnings.

According to data released by Kustodian Sentral Efek Indonesia (KSEI) in 2015, institutional ownership companies in Indonesia reached 62.8%, it means the majority of investors in the Indonesian stock market is an institution investor. Froot et al (2000) stated that major institutional investors have analytical skills good investment, it is not surprised on earning number, but they are more focused on the fundamentals of the company as a whole rather than just focus on the company's current earnings. The test of the effect abnormal production costs did not significantly on the cost of equity capital.

The results showed that real earning management did not significantly affect the cost of equity capital in companies listed in LQ 45 and JII. So, the hyphotesis (H1) did not supporting. The results of this study consistent with Purwaningtas and Surifah (2015) who found that earnings management did not affect the cost of equity. Leuz et al. (2003) mentioned that Indonesia is in a group (cluster) countries with a weak level of investor protection. Joosten (2012) states the form earnings management, from accrual earnings into real earning management due to high level of investor protection and the tight scrutiny of regulators, it is possible that in Indonesia the level of investors protection is still weak. The manager still focus on the manipulate earnings accrual rather than real earning management. Fitriyani (2004), Utami (2005), and Rinobel (2015) found that earnings management accrual has positive significantly effect on the cost of equity capital in the company.

Stocks Liquidity and Cost of Equity Capital
Based on the table above, the test results showed that the stocks liquidity did not significantly effect to cost of capital in companies listed in LQ 45 and JII indexs. The rating of stocks companies in Indonesia has high liquidity so their
expectations of the returns are not affected by the low stock liquidity. This results consistent with Butler et al (2001) which states that liquidity is not related to the cost of equity capital. Stock liquidity is more related to the costs incurred by the company for its efforts to obtain external sources of financing. The companies with less stock liquidity have to pay more fees to investment bankers when the company issued new shares (rights issue). The less stocks liquidity tends to be avoided by investors and traders, because they get the high transaction costs and the emergence of difficulties in transactions.

The company size and Cost of Equity Capital
In this study, the company size is measured by the natural logarithm of total assets (log total assets). Based on the descriptive statistics, the companies selected on this study are large companies which the total assets more than 26 billion rupiahs. In JII indeks, the total asset is more than 13.49 billion rupiahs. The analysis showed that firm size has significantly effect to the cost of equity capital in companies listed in LQ 45 and JII indeks. The results consistent with Annin (1997); Omran and Pointon (2004) and Kien Pham, Suchard and Zein (2005). Ashbaugh-Skaife and Collins (2008) stated that in large companies, the expected return estimated by investors will be less than the smaller-sized companies. This reason is the large companies have more certainty about future prospects, low risk and more stable. While small companies are more at risk because they tend to inefficient, the high level of debt (leverage) and get low profitability so there is no certainty regarding the continuance in future. The size of this risk has an effect to the cost incurred by the company in obtaining capital. Large companies can reduce the cost of debt interest payments and dividend payments. This is due to large company has lower risk, so the expected return estimated by investors is also lower. The investors estimated that their return will be received as same as previous return, so the cost of equity capital is also lower.

CONCLUSION
Based on the results of data analysis and discussion, it can be concluded as follows:
1. Earnings management did not significantly effect to the cost of equity capital in companies listed in LQ 45 and JII (H1 rejected)
2. Stock Liquidity did not significantly effect to the cost of equity capital in companies listed in LQ 45 and JII (H2 rejected)
3. Company size has significantly effect to the cost of equity capital in companies listed in LQ 45 and JII (H3 supported)

LIMITATIONS
1. The measurement of earnings management used real earnings management that has not been able to detect earnings management as a whole. The other measurement such as integrated earning management should be done the next research to detect earning management
2. The data variations used are very high considering the company's growth and breadth of information during the long periods (2004-2015).
3. The Ohlson model used to measure cost of capital. The other measurement such as Constant of growth valuation models; Capital Asset Pricing Model (CAPM) should be considered for the next studies

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