Risk perception and psychological behavior of investors in emerging market: Indonesian stock exchange

Y. Yuliani
I. Isnurhadi
Ferry Jie

Edith Cowan University

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Abstract

Capital market functions as a mediator between parties who have excess funds that is, investors and those who need the funds that is, emitters. Decision to sell and buy shares of a financial asset is very strategic decision for investors because it is associated with the chances of return to be earned in the future. The objective of this paper is to investigate the investor's psychology on buying and selling common stock in the stock exchange in emerging market. The specific purpose of this research is to provide the simultaneous empirical evidence about the perception of risk, psychology aspects towards the confidence and performance. The sample consists of 100 individual investors in Palembang, South Sumatera, Indonesia. The data were collected during March-May 2016 using questionnaire. Research findings show that perception of risk and psychology significantly affect confidence. Furthermore, confidence has a significantly positive impact on performance. This research has not been explained entirely towards the investor's psychological behavior aspects, so the additional variable may be needed as the full reflection of investor's psychology. The further research may use experimental study, starts from buying stocks, and factors that can be considered in selling stock.

Keywords
confidence, perception of risk, psychology, performance

JEL Classification G11, G12

INTRODUCTION

The role of capital market in a country is related with capital flow and economic growth. Indonesia’s economic growth requires funding and a sizeable investment to be able to compete regionally and globally. The number of issuers, Composite Stock Price Index, amount of outstanding shares and a market capitalization fluctuates and shows improvement for the last two years, 2015 and 2014. In addition, the amount of outstanding shares fluctuates as well and tends to decline by 9.06%, but the value of market capitalization increases by 23.92% (www.idx.co.id, 2014). The increasing number of issuers improves capital market performance so as to open opportunity for investors to increase their investment activities. Decision of investors to use capital market for investment activities is classified as financial assets. The behavior of investors to buy and sell financial assets is a strategic decision, because it is related to the return they gain. The individual investor’s behavior in investment decision on financial assets is something interesting to study.

Based on the number of shares owned by the investor, it was found in the study by Barber and Odean (2001) with sample by 78,000 investors in the US that the average number of shares held is 2 and 3 and the
percentage of investors who are able to earn returns above the market index is 49.3%. In the previous year, Barber and Odean (2000) conducted a study using household investors as the respondents covering 35,000 investors for six years. This study found that male investors make transactions 45% more often than female investors, even the single male investors transacted 67% more frequently than that of single female investors. The interesting finding of this study is that due to the different trading frequency, male investors’ net profit reduced as much as 2.5%, while only 1.72% for female investors. This difference indicates that the female investor, ultimately, are more prosperous than male investors. Talar (2004) found that the dominant factors affecting the decisions of daily stock transaction are technical, foreign investors, stock liquidity, as well as rumors.

The purpose of this study is to examine the influence of risk perception on investors’ confidence in the stock exchange, to explain the influence of psychological factor on investors’ confidence and explain the effect of stock market confidence on the stock performance.

1. THEORIES AND HYPOTHESES

Investing is simply defined as placement of money or funds with the hope to obtain additional money or funds. Investment is also defined as the commitment of a number of funds to one or more assets to be held for some time to come. Investment as a commitment to the number of funds or other resources is done at this time with the aim to make a profit in the future (Salge et al., 2015; Linnenluecke et al., 2016).

From the above definition of investment, it can be inferred that investment consists of three elements, namely expense or sacrifice of resources at the present, then, an element of risk uncertainty and return in the future. Someone who invests has different motives. For instance, to meet liquidity needs, to save for retirement, to speculate and so on. Investments can be classified into two categories: investment in real assets, namely the tangible fixed assets and another category is investment in financial assets. This research focuses on the study of financial assets in the form of marketable securities traded in the organized market/stock exchange.

Types of investors are described in the studies by Grinblatt and Keloharju (2001), Hui and Li (2014). All investors can be classified into three: (1) a conservative investor, the type of investors who tend to avoid risks, play in investment instruments and low risk, (2) moderate investors, namely investors who have high levels of tolerance for higher risk with commensurate results, (3) an aggressive investor, that is, an investor who has high risk tolerance level, with the principle of high risk return even at extreme scale. This type of investor can be viewed as a speculator. In addition, traders are classified into five, namely: scalpers, day traders, swing traders, position traders and investors. The differences of type of trader are shown in Table 1.

Behavioral finance is studied to explain the market inefficiencies using psychological theories. In practice, it is observed that an individual oftentimes makes mistakes and illogical assumption.

| Type of traders       | Scalper | Day trader | Swing trader | Position trader | Investor |
|-----------------------|---------|------------|--------------|----------------|----------|
| Trading style         | Aggressive | Aggressive | Aggressive enough | Passive | Passive |
| Trading total         | Many | Many | Many enough | Few | Few |
| Time frame            | Very short (min-hour) | Short (min-hour) | Long (day-week) | Longer (week-month) | Very long (month-year) |
| Chart                 | M5-Tick | H1-M15 | D1-D4 | D1-W1 | W1-Month |
when dealing with financial matters. The emergence of behavioral finance begins when Shiller, a professor from Yale University, wrote a working paper titled “Irrational Exuberance”. Shiller warned investors that stock price based on various historical measurements will rise too high, and public will be very disappointed with the performance of stocks in the future. This is proved by the decrease of stock prices shortly after a warning from Shiller.

Behavioral finance is still a new paradigm in the research fields of finance, which provides a supplement to standard finance theory by introducing the behavioral aspects of the decision. In contrast to the approach of Markowitz and Sharpe, behavioral finance approved the way people use information. Behavioral finance try to find and predict the implications of the financial markets on a systematic psychological decision processes so that the focus is on the application of economic principles for financial decision making (Barberis & Thaler, 2001; Singh et al., 2003; Du, 2012).

Topics in behavioral finance consist of: (1) Behavioral Microfinance (BFM), which examines the behavior or biases of individual investors that distinguish them from rational individual as in classical economic theory, (2) Behavioral Macrofinance (BFM) to detect and describe anomalies in the efficient market hypothesis described in the model behavior. This study focused on BFM, the study of the behavior of individual investors, in order to identify psychological biases and investigate the behavior of the asset allocation decision so as to reduce bias in the investment process.

Lucey (2005) conducted a survey on the influence of the feeling of investors in equity prices and also developed the theory to explain the emergence of the findings in this area. This study examines the impact of environmental factors such as weather, biorhythms of the body, and social factors that affect the image of the mood of investors that has an impact on investment decisions. The research findings are: (1) investors invest in a manner which is consistent with their feelings, (2) feelings’ effect on equity prices, (3) the weather, biological cycle of the body, disruption of sleep patterns, the lunar phases, social activities and the effect of mood on decision-making.

Furthermore, Worthington (2006) examined the relationship between weather and mood and feeling for Australian investors in the capital market during the period 1958–2005. Eleven elements of weather were inserted, i.e., precipitations, evaporation, relative humidity, temperature maximum and minimum, average temperature daily, hours of sun shine, wind speed and direction, average daily wind speed to real and nominal market return. Using non-parametric correlation analysis and autoregressive moving average models, the findings of this study show that weather factors do not affect market return.

Another study conducted by Durand and Sanghani (2008) examined the relationship between personality and investment decisions and portfolio performance. The sample consisted of 18 individual investors who hold equity portfolios in Australia for the financial year ended 30 June 2005. The findings of the study include: (1) individuals who are more extrovert and less masculine have a greater preference for innovation and achieve superior portfolio performance, (2) individuals who have higher negative emotions tend to take higher risk and more often to choose higher risk portfolio, (3) the higher negative emotions of individuals who have a tendency of taking higher risks are also related to increase in trading behavior, while investors who are more extrovert were found to have a lower tendency toward trading behavior and (4) the role of psychological gender is better than the biological gender in analyzing the investors behavior.

Several studies in Indonesia were conducted by Natapura (2009), Kartika and Iramani (2013), Wulandari and Iramani (2014) with respondents in Surabaya and showed that the factors considered by investors in investing in the stock market is a source of neutral information, accounting information, and demographic. In data addition, some factors such as risk perception, confidence factor, the experience and psychological factors also emerged as the decisive factor for stock investment decisions. The study by Maulina (2011) on the information asymmetry and period of ownership of ordinary shares on the stock exchange
using the method of path analysis showed that the average investor holding ordinary shares for two years and, in general, all investors are more oriented towards short-term investments with the expected capital gains rather than dividends. Research on fundamental variables in predicting stock return is done by Yanti (2012) on the object of observation shares of Shariah in Indonesian Stock Exchange. Using path analysis found that the investment strategy of the investors in the shares of Shariah is a priority to fundamental information Price Earnings Ratio (PER) and stock return. Based on the description above, the model of the research hypotheses as follows:

Based on Figure 1, hypotheses of this research are:

**H1:** Risk perception has a significant effect on stock market confidence.

**H2:** Investor psychology has a significant effect on stock market confidence.

**H3:** Confidence in stock market has a significant effect on stock market performance.

![Figure 1. Research model](image)

### Table 2. Operational variable research

| No | Variable                  | Indicators                       | Source                                         |
|----|---------------------------|----------------------------------|------------------------------------------------|
|    | Exogenous                 |                                  |                                                |
| 1. | Risk perception of stock | Risk averse, Risk taker, Moderate| Barber and Odean (2000), Frensidy (2013), Bayar (2013) |
| 2. | Investor psychology       | Cognitive, Affective             | Grinblatt and Keloharju (2009), Qawi (2010), Bayar (2013) |
| 3. | Stock market confidence   | Financial and accounting information, Media, Friend | Gumanti (2009), Chandra and Kumar (2012), Bayar (2013) |
|    | Endogenous                |                                  |                                                |
| 4. | Stock market performance  | Capital gain, Dividend           | Bodie et al. (2013)                           |
to 5, which comprises: Strongly Disagree (score 1); Disagree (score 2); Normal (score 3); Agree (score 4) and Strongly Agree (score 5). The operational definition of each variable is presented in Table 2 below.

2.2. Data analysis

The instrument to collect data in this study was a questionnaire prepared using 5-point Likert scale. The questionnaires have been tested for validity and reliability. Validity test is to determine whether the instrument meets the requirements of the validity of each variable by using the Pearson product moment. The research instrument is valid if the value of validity is $r \geq 0.3$ and significance of the correlation value is $\alpha = 0.05$ and $\alpha = 0.01$. Realibility test is to look at the consistency of respondents to the question items. The test is done by looking at the Cronbach’s alpha coefficient with the limit value (cut of points) feasible being $\geq 0.6$.

This study uses Structural Equation Model (SEM) based component or variance which is noted for as Partial Least Square (PLS). The reason using PLS is as follows: (a) there are more than one variable, namely the perception of risk, investors psychology; investor confidence and stock market performance; (b) involving latent variables, where variables analyzed are unobservable; (c) the model is recursive; (d) the relationship formed is causality.

Furthermore, the hypothesis were tested by using the following steps: 1) assuming linearity test, 2) outer model test (measurement model), 3) Goodness of Fit inner structural model in form PLS Q-square predictive value relevance $(Q^2)$ which is calculated based on the value of $R^2$. Magnitude $Q^2$ has a value range of $0 < Q^2 < 1$, where 1 means that the closer model, the better. $Q^2$ calculations performed by the formula:

$$Q^2 = 1 - \left(1 - R_1^2\right) \cdot \left(1 - R_2^2\right) \cdots \left(1 - R_p^2\right), \quad (1)$$

where

$Stock market performance = a + \beta_1 \text{ risk perception} + 
\beta_2 \text{ investor psychology} + \varepsilon$;

$Stock market performance = a + \beta_3 \text{ stock market confidence} + \varepsilon$.

3. EMPIRICAL RESULTS

100 questionnaires were collected from the respondents (investors) in Palembang during April-June 2016. The demographic data of the investors are shown in Table 3.

According to Table 3, the gender is 63% males and 37% females. Male investors are more dominant, since the reference rate in financial assets is less for women to become an investor. The age of investors ranges from 20-25 years old, and 62 people are single. 77 people have an undergraduate education level, six people have a high school diploma and 17 people have a master degree. According to this frequency, there is something interesting because as many as 20 respondents do not trade regularly in short period of time, meaning that the investors have a long-term goal which is called dividend yield orientation.

The perception of risk of investors falls into three categories, that is, risk averse, risk moderate and risk taker. The risk perception of investors in Palembang is showed in Table 4. From the table, it can be seen that the index of risk perception value on average is 51.94%, while the risk moderate is on average 3.73. The findings show that investors in Palembang dislike risk, but want high return.

Investor’s phychology is reflected in three indicators, namely cognitive, affective and cognitive. Table 5 shows the variables describing investor’s psychology where cognitive indicator is dominant on average of 3.72. It is clear that investors in Palembang in investing in financial assets have a target return that will be obtained and the risk is to be faced, while the dominant items are the reflection of cognitive indicators. Investors in Palembang are satisfied with investing in the stock market, because it can give space to invest, as well manage alternative funds. The results show that investor psychology based on perception index is 77.84% which is high with mean of 3.45. The high perception index indicates that investors in Palembang are optimistic in response to a statement on the psychology of being an investor.

Stock market confidence is a reflection of the level of return obtained in the purchase and sale of shares. This variable measures the motivation of
an investor in the capital market. Measurement of this variable is reflected by three indicators of accounting and financial information, information from the media and the recommendation of friends. The description of the respondents for these variables is shown in Table 5. The dominant indicator of this variable is the accounting and financial information with the amount of the average 3.42. The results of this description suggest that investors in Palembang, before making a purchase and sale of common stock, will pay attention to the company’s fundamental information that is most often done using the company’s financial report data source.

Table 4. Risk perception of investors

| Variables | Items                          | Responses (%) | Mean |
|-----------|-------------------------------|---------------|------|
|           |                               | 1 2 3 4 5     |      |
| SA1       | Price rise in the future      | 2 7 18 54 19  | 3.81 |
| SA2       | On target                     | 2 6 20 57 15  | 3.77 |
| SA3       | Large company                 | 1 12 23 38 26 | 3.76 |
| SA4       | Short-term orientation        | 8 26 26 31 9  | 3.07 |
| SA5       | Avoid risk                    | 5 36 27 27 5  | 2.91 |
| Risk averse (5 items) |                           |               | 3.46 |
| RT1       | Not see micro and macro-economic | 25 54 8 10 3  | 2.12 |
| RT2       | Expectations of high return   | 4 21 30 31 14 | 3.29 |
| RT3       | Speculation                   | 2 17 38 34 9  | 3.31 |
| RT4       | Reject low return             | 2 19 22 40 17 | 3.51 |
| Risk taker (4 items) |                     |               | 3.06 |
| AB1       | Rational thinking and careful | 3 2 20 50 25  | 3.92 |
| AB2       | Gathering information         | 0 10 23 39 28 | 3.85 |
| AB3       | Return as risk balance        | 1 5 22 51 21  | 3.86 |
| AB4       | Small risk                    | 1 8 41 42 8   | 3.48 |
| AB5       | Long-term return              | 0 22 28 34 16 | 3.44 |
| AB6       | Price as a reflection of information | 0 5 25 51 19 | 3.84 |
| Risk moderate (6 items) |                                |               | 3.73 |

Note: Average risk perception of stock (x): 51.94% with mean 3.42. Interpretation index value is 10-40% = Low; 41-70% = Average; 71-100% = High.
Table 5. Responses to stock market confidence

| Variables | Indicators | Responses (%) | Mean |
|-----------|------------|---------------|------|
|           |            | 1  | 2  | 3  | 4  | 5  |      |
| AK1       | Financial report | 2  | 15 | 40 | 35 | 8  | 3.32 |
| AK2       | Financial ratios | 0  | 15 | 28 | 40 | 17 | 3.59 |
| AK3       | Fundamental analysis | 2  | 12 | 34 | 35 | 17 | 3.53 |
| AK4       | Technical analysis | 5  | 22 | 31 | 30 | 12 | 3.22 |
| Financial and accounting information (4 items) |            |     |    |    |    |    | 3.42 |
| MD 1      | Reading newspaper and magazine | 3  | 22 | 34 | 33 | 8  | 3.21 |
| MD2       | Hearing and watching TV | 5  | 17 | 44 | 24 | 10 | 3.17 |
| Media (2 items) |            |     |    |    |    |    | 3.19 |
| TM1       | Asking for family | 1  | 24 | 38 | 32 | 5  | 3.16 |
| TM2       | Discussing with friend | 3  | 19 | 32 | 37 | 9  | 3.30 |
| TM3       | Recommendation from friend | 2  | 22 | 39 | 29 | 8  | 3.19 |
| TM4       | Discussing with expert | 2  | 8  | 30 | 37 | 23 | 3.71 |
| Friend (4 items) |            |     |    |    |    |    | 3.34 |

Note: Average stock market confidence (x): 33.40% with mean 3.32. Interpretation index value is 10-40% = Low; 41-70% = Average; 71-100% = High.

Table 5 shows that average stock market confidence is 33.40% with mean 3.32. These findings suggest that investors in Palembang fall into the category of lower index value. This indicates that the low level of confidence in the financial asset is associated with stocks. The previous variables of risk perception of moderate risk are correlated with low level of confidence of investors in Palembang.

Stock market performance is the response of investors in the capital market. Stock market performance in this study is reflected by indicators of capital gains and dividend periodically. Capital gain is measured by three items, namely, stock prices continuing to rise, constantly monitoring prices and make purchases on a daily basis and orientation to the stock price. Based on these three items, the stock price increases have the highest response from investors in Palembang.

Indicator shows that the distribution of profit as dividend obligations to the company’s shareholders on average is 3.50. Referring to the average

Table 6. Responses to stock market performance

| Variables | Indicators | Responses (%) | Mean |
|-----------|------------|---------------|------|
|           |            | 1  | 2  | 3  | 4  | 5  |      |
| CG1       | Increasing stock price | 1  | 9  | 18 | 41 | 31 | 3.92 |
| CG2       | Look and buy every day | 1  | 16 | 33 | 34 | 16 | 3.48 |
| CG3       | Stock price orientation | 0  | 14 | 29 | 41 | 16 | 3.59 |
| Capital gain (3 items) |            |     |    |    |    |    | 3.66 |
| DV1       | Long-term goal | 4  | 10 | 34 | 32 | 20 | 3.54 |
| DV2       | Profit dividend | 4  | 9  | 28 | 48 | 11 | 3.53 |
| DV3       | Cash dividend | 2  | 12 | 32 | 31 | 23 | 3.61 |
| DV4       | Profit growth | 2  | 16 | 40 | 31 | 11 | 3.33 |
| Dividend (4 items) |            |     |    |    |    |    | 3.50 |

Note: Average stock index performance (x): 25.00% with mean 3.58. Interpretation index value is 10-40% = Low; 41-70% = Average; 71-100% = High.
perception index it can be concluded that the re-
sponses of investors in Palembang in buying and
selling stock is low at 25% with the average of 3.58.
These findings indicate that the investors are ori-
ented towards capital gain.

Descriptive statistic of the data is important to
see data distribution. Table 7 shows that the
lowest value of the variable risk perception is
2.73 and the highest is 4.47 with mean of 4.463
and standard deviation of 0.396. The standard
deivation value which is smaller than mean in-
dicates that the data are spread evenly so that
it can otherwise be normal. The difference be-
tween the highest value and the lowest due to
the characteristics of each respondent is diffe-
rent and can be seen from the respondents age
of 35% or < 20-25 years. This can affect the per-
ception risk of investing in stocks that a high
level of risk.

Investor’s psychology, which is reflected by
three indicators, namely, cognitive, affective
and cognitive shows the highest value of 6.63,
the lowest 1.50, mean and standard deviation of
4.56 and 0.55. The average value is greater than
standard deviation and indicates that the data
are normally distributed so that it can be stated
that there are discrepancies among respondents
with respect to the perception of the psychology
of knowledge about the capital market, the tar-
get return and risk and emotional factors. Stock
market confidence shows investors’ perceptions
in gathering information to analyze the decision
of buying and selling shares. The lowest value of
this variable is 2.0 and the highest 4.6 indicat-
ning that respondents have different perceptions
toward accounting and financial information,
gathering information from the media and ask-
foring for a favor from their friends.

Stock market performance is reflected in the
amount of capital gain and dividends and shows
the desire of investors on financial assets. The lo-
west value is 2.43, the highest is 5.0, the mean is
3.57 and the standard deviation is 0.54. Capital
gain reflects the difference between the purchase
price and selling price of shares. The higher this dif-
ference, the higher stock performance and inves-
tor expectations. Dividend is a shareholder right
so that long-term investors will look at the funda-
mentals of companies in various aspects. The most
aspect is the growth of sales and profit growth.

The was conducted important by using a ques-
tionnaire to determine the reliability and va-
ility. If valid and reliable, the can be used for
testing the hypotheses that have been proposed.
The reliability test results are shown in Table 8.

Testing instruments seen from the magnitude
Average Variance Extracted (AVE) show greater
than 0.05. It appears that all variables are accep-
ted. Reliability test by Tucker and Levi based on

| Variables           | AVE | Composite reliability | Cronbach’s alpha |
|---------------------|-----|-----------------------|------------------|
| Risk perception     | 0.216 | 0.640                | 0.675             |
| Investor’s psychology | 0.319 | 0.841                | 0.820             |
| Confidence          | 0.417 | 0.728                | 0.841             |
| Performance         | 0.289 | 0.640                | 0.621             |
composite reliability shows that all the variables is reliable. In addition, the value of Cronbach’s alpha with the provisions of 0.7 to 0.5 is still acceptable meaning that the instrument used is reliable. From Table 8, it is seen that highest value of Cronbach’s alpha is investor’s psychology. It means that the reliability of each item in the statement is consistently reflected in the studied variables. The indicators of investor’s psychology variables in this study consist of cognitive, affective and cognitive and, so, are called the three important things for an investor in the buying and selling shares in the capital market. Testing discriminant validity is conducted by looking at the correlation between variables. Validity of a variable will be indicated by high value correlation. The high correlation value reflects that the research instrument is valid. Table 9 shows that the correlation between variables is so high that it can be concluded that the instruments are valid.

Testing linearity in this study is done using a curve fit with reference to the principle of parsimony. Table 10 above shows that all the relationship between variables are linear and all models are significant. Based on the linearity test results, it can be stated that the relationship between each independent variable is linear towards the dependent variable. This linearity assumption test results will be used to continue the test of the hypotheses. The higher the value of \( Q^2 \), the better research model is used to predict performance. Table 10 shows the value of 0.605 meaning that the model is still considered good enough to predict the performance as much as by 60.5%. Another 30.5% of other variables outside the model can still be used to predict performance.

The recapitulation hypotheses test results are shown in Table 11.

Table 9. The result of test validity

| Variables          | Risk perception | Investor’s psychology | Confidence | Performance |
|--------------------|-----------------|-----------------------|------------|-------------|
| Risk perception    | 1.000           | –                     | –          | –           |
| Investor’s psychology | 0.229          | 1.000                     | –          | –           |
| Confidence         | 0.528           | 0.518                  | 1.000      | –           |
| Performance        | 0.487           | 0.404                  | 0.536      | 1.000       |

Table 11. The result of hypotheses research

| Variable effect                      | Original sample (O) | P-value | Decision   |
|--------------------------------------|---------------------|---------|------------|
| Stock market confidence → Stock market performance | 0.536               | 0.000   | H1 Accepted|
| Investor’s psychology → Stock market confidence | 0.419               | 0.000   | H2 Accepted|
| Risk perception → Stock market confidence | 0.432               | 0.000   | H3 Accepted|
4. DISCUSSION

The results show that the risk perception of the stock has a significant positive effect on stock market confidence. It means that the high risk perception in the investment in stocks will further boost investor's confidence in investing in the stock market. This study provides the empirical evidence that investors in Palembang when trading stocks understand the risks inherent to financial investments. Thus, the finding supports the first hypothesis (H1 is accepted).

On average, investors in Palembang have moderate risk characteristics. This type of investors belongs to long-term investors. This type of investors is deemed as rational investors meaning that the main purpose of the investment is long-term and has a high level of control and the tendency of selective observation (Natapura, 2009).

The findings (Takeda et al., 2013) show level literacy of investment and individual investor's overconfidence in Japan with the number of respondents 533 men and women aged above 20 years and as investors showed that the level of literacy of high investment can lower overconfidence. Durand and Sanghani (2008) tested the relation between the level of investor personality that consists of individual extroverted and introverted in Australia. The finding reveals that individuals who have high emotion tend to take high risk or classified as risk taking affecting confidence in the performance of equity portfolios.

Table 11 reveals that investor's psychology has a significant positive effect on the level of confidence in the capital market. These finding demonstrates empirically that investor's psychology is reflected in the nature of cognitive, affective and cognitive indicators is able to increase investor's confidence in the capital market. Psychology of investors is important, as it relates to the level of return that will be earned in the future. The findings of this study are in accordance with the theory of individual behavior in the context of the trilogy of mind (Hilgard, 1980; Mayer, 2001) that each behavior in decision making will be reflected in individual's psychology. Decisions under conditions of uncertainty or risk discussed in prospect theory that fair individuals are associated with a range of decisions are clearly irrational (Kirmizi & Agus, 2011; Subekti et al., 2010).

The finding proves that the level of confidence in capital markets has a significant positive effect on the performance of shares purchased by investors. Table 11 shows that coefficient of confidence level is 0.432 with positive direction indicating that investors in Palembang have a good level of confidence in investment in the capital market. The finding supports to the prospect theory (Kahneman & Riepe, 1998; Takeda et al., 2013) that the investor's profit and loss is based on one specific point that the target return will be obtained. Number of total return in the decision to purchase and sell of shares obtained from periodic increase in dividend payments and capital gain so that the expectations of investors against this type of shares purchased are equal to the expected return. This study also supports a number of previous studies (Chuang, 2004; Seru et al., 2010; Shu et al., 2004).

CONCLUSION AND FUTURE STUDIES

The decision to purchase and sell common stock is affected the ability of the investor to manage the risk as a response to risk perception. This study proves that the understanding of risk perception is able to control the level of confidence in investing. Furthermore, investor's psychology about the nature of individual investors is reflected by the cognitive, affective, and cognitive characteristics and is able to influence the level of confidence for stock investments. Both of these factors affect the decision of buying and selling stock which is reflected in dividend and capital gain as the total return. Future researches can be conducted again with research topic based on the concept of behavioral finance, because currently Indonesian capital market can be used as a source of revenue by individual with the risk that can be managed.
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