STOCK MARKET REACTION TO DIVIDEND ANNOUNCEMENT IN INDONESIAN LISTED COMPANIES

By

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ABSTRAK

Tujuan kajian ini dijalankan adalah untuk mengkaji reaksi harga saham terhadap pengumuman dividen. Selain itu, kajian ini juga menguji sama ada pembolehubah terikat (kumulatif abnormal return) dipengaruhi atau tidak dipengaruhi oleh pemboleh ubah bebas (saiz, dividen yield, perubahan pendapatan, perubahan dividen, pra-kumulatif abnormal return, volum perdagangan). Penyelidikan ini menggunakan dua kaedah untuk menganggarkan hipotesis. Teknik analisa data yang pertama adalah *event study* dan kaedah kedua adalah analisa regresi *Ordinary Least Squares* (OLS). Sampel untuk *event study* dan OLS adalah sebanyak 415 dan 243 jenis syarikat - syarikat yang tersenarai di Bursa Efek Indonesia (BEI) iaitu dari tahun 2006 - 2010. Keputusan yang diperolehi daripada kajian *event study* menunjukkan bahawa reaksi harga saham terhadap pengumuman dividen ialah positif apabila dividen meningkat dan negatif jikalau dividen menurun. Keputusan kajian regrasi OLS menunjukkan pembolehubah PRECAR adalah positif dan signifikan, manakala pembolehubah yang lain adalah tidak signifikan.

Kata kunci: kumulatif abnormal return, pengumuman dividen, *event study*

ABSTRACT

This study aims to investigate the share price reaction to dividend announcement. It also examines whether or not the cumulative abnormal return (CAR) is affect to by control variables which is dividend change, earning change, dividend yield, normal trading volume, pre-cumulative abnormal return (PRECAR) and firm size). This study uses two methods to estimate the model. The first method is event study and the second method is Ordinary Least Square (OLS) regression. The sample firm utilized the event study and OLS regression are 415 and 243 companies respectively which are listed on the Indonesia Stock Exchange (IDX) during 2006 – 2010. The findings from the event study analysis indicate the share price reaction to dividend announcement is positive for dividend increase and negative for dividend decrease. The OLS regression result shows that the PRECAR variable is positive and significant while the other independent variables are insignificant.

Keyword: cumulative abnormal return, dividend announcement, event study

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LIST OF ABBREVIATIONS

AMEX	American Stock Exchange
ASSET	Total Assets
BETA	Systematic Risk
BLUE	Best Linear Unbiased Estimator
BOARD	Board Ownership
CAR	Cumulative Abnormal Return
CLT	Central Limit Theorem
DEBT	Total Debt
DIV	Dividend Change
DW	Durbin-Watson
DY	Dividend Yield
EARNCHG	Earnings Changes
EARNVOL	Earnings Volatility
IDR	Indonesian Rupiah
IDX	Indonesian Stock Exchange
INST	Institutional Holdings
JSX	Jakarta Stock Exchange
KLSE	Kuala Lumpur Stock Exchange
KSE	Karachi Stock Exchange
LEV	Leverage
NASDAQ	NASDAQ Stock Market
NV	Normal Trading Volume
NYSE	New York Stock Exchange
OLS	Ordinary Least Squares
PRECAR	Pre-Cumulative Abnormal Return
PTB	Price to Book Ratio
Q	Tobin' Q Rate
ROA	Return on Assets
ROE	Return on Equity
RUPS	*Rapat Umum Pemegang Saham*
SIZE	Size of Company
SSX	Surabaya Stock Exchange
VIF	Variance Inflation Factor
YEAR	Year of Company

CHAPTER ONE

INTRODUCTION

1.1 Background of the Study

In the last decade, a company's dividend policy and its effects on the value of the company has generated interest among researchers in the field of finance. Accounting and financial analysts were more interested in corporate performance, cash flow analysis and solvency issue. The research on dividend policy today focuses more on the relationship between dividend policy and its effect on the price of the stock. This includes trying to come up with a model which would explain the relationship between the two variables. The researchers have formulated three assumptions about the issue. Firstly, dividend has a positive impact on stock price. Secondly, stock price is negatively related to dividend policy and finally, firms' dividend policy is irrelevant to stock price valuation.

Miller and Modigliani (1961) create an assumption based on perfect capital market situations which express an idea about how dividend affects the firm value. They postulate that dividends do not impact the firm value in a perfect capital market scenario. In other words, the value of a firm is independent of its dividend policy. Meanwhile, Gordon (1959) makes a statement on the dividend discount model which explains that the dividend payment augmentation should be accompanied by the increase in value of a company. The income generated by a company could be used to settle debt or allocate cash dividend to shareholders. The issues that have been discussed include whether a company should allocate its income to shareholders by

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REFERENCES

Abdullah, N. A., Rashid, R. A., & Ibrahim, Y. (2004). Information Content of Dividend Changes in an Emerging Market. *The International Journal of Banking, & Finance 2*, 1-18.

Adelegan, O. J. (2009). Price Reactions to Dividend Announcements on the Nigerian Stock Market. *The African Economic Research Consortium*, 1-20.

Aharony, J., & Swary, I. (1980). Quarterly Dividend and Earnings Announcements and Stockholders' Return: An Empirical Analysis. *Journal of Finance 1, 1-12.*

Akbar, M., & Baig, H. H. (2010). Reaction of Stock Prices to Dividend Announcements and Market Efficiency in Pakistan. *The Lahore Journal of Economics*, 103-125.

Ali, M. B., & Chowdhury, T. A. (2010). Effect of Dividend on Stock Price in Emerging Stock Market: A Study on the Listed Private Commercial Banks in Dhaka Stock Exchange. *International Journal of Economics and Finance 4, Vol.2*, 52-64.

Allen, F., & Michaely, R. (2003). Payout Policy. In: Constantinides, G., Harris, M., Stulz, R., *Handbook of the Economics of Finance*. North-Holland, Amsterdam.

Ambarish R., John, K., & Williams, L. (1987). Efficient Signaling with Dividends and Investments. *Journal of Finance,* 321-343.

Amihud, Y., & Li, K. (2006). The Declining Information Content of Dividend Announcements, & the Effects of Institutional Holdings. *Journal of Financial and Quantitative Analysis 3, Vol.41*, 637-660.

Andres, C., Betzer, A., Bongard, I., Haesner, C., & Theissen, E. (2008). Dividend Announcements, Market Expectation and Corporate Governance. *University of Mannheim: Working Paper.*

Azzopardi, F. (2004). Dividend Irrelevance and the Clientele Effect. *University of Leicester: Working Paper.*

Bajaj, M., & Vijh, A. M. (1990). Dividend Clienteles and the Information Content of Dividend Changes. *Journal of Financial Economics Vol. 26*, 193-219.

Balachandran, B., Cadle, J., & Theobald, M. (1999). Analysis of Price Reaction to Interim Dividend Reductions a Note. *Applied Financial Economics,* 305-314.

Balachandran, B., Faff, R., & Nguyen, A. T. (2004). The Intra-Industry Impact of Special Dividend Announcements: Contagion versus Competition. *Journal of Multinational Financial Management*, 369-385.

Benartzi, S., Michaely, R., & Thaler, R. (1997). Do Changes in Dividends Signal the Future or the Past?. *Journal of Finance 3,* 1007-1034.

Bhatia, P. (2010). A Study of Dividend Announcements on Stock Returns of Popularly Traded Companies in India. *Sri Krishna International Research and Educational Consortium*, 178-189.

Bhattacharya, S. (1979). Imperfect Information, Dividend Policy and the Bird in the Hand Fallacy. *Bell Journal of Economics 1,* 259-270.

Black, F. (1976). The Dividend Puzzle. *Journal of Portfolio Management*, 8-12.

Campbell, J. A., & Beranek, W. (1995). Stock Price Behavior on ex-Dividend dates. *Journal of Finance, Vol. 10,* 425-429.

Chen, D. H., Nieh, C. C., Chen, C. D., & Tang, W. W. (2007). The Announcement Effect of Cash Dividend Changes on Share Prices: An Empirical Analysis of China. *National Taipei University: Working Paper.*

Daniels, K., Shin, T., & Lee, C. (1997). The Information Content of Dividend Hypothesis: A Permanent Income Approach. *International Review of Economics and Finance 22*, 77-86.

Dasilas, A., & Leventis, S. (2010). Stock Market Reaction to Dividend Announcements: Evidence from the Greek Stock Market. *International Review of Economics.*

Deangelo, H., & Deangelo, L. (2006). The Irrelevance of the MM Dividend Irrelevance Theorem. *Journal of Financial Economics 79, Vol.2*, 293-315.

Fuller, K. P. (2003). The Impact of Informed Trading on Dividend Signaling: A Theoretical and Empirical Examination. *Journal of Corporate Finance 9*, 385-407.

Gordon, M. (1959). Dividend, Earnings and Stock Prices. *Review of Economics and Statistics 41*, 99-105.

Grullon, G., Michaely, R., & Swaminathan, B. (1999). Dividend Changes as a Sign of Firm Maturity. *Cornell University: Working Paper.*

Gujarati, D. N., & Porter, D.C. (2009). *Basic Econometrics.* Fifth Edition. Singapore: Mcgraw-Hill.

Gujarati, D. N. (2006). *Essential of Econometrics.* Fifth Edition. Singapore: Mcgraw-Hill.

Gurgul, H., Mestel, R., & Schileicher, C. (2003). Stock Market Reaction to Dividend Announcement: Empirical Evidence from the Austrian Stock Market. *Swiss Society for Financial Market Research*, 332-350.

Impson, C. M. (1997). Market Reaction to Dividend Decreases Announcement: Public Utilities versus Unregulated Industrial Firms. *The Journal of Financial Research 20*, 407-422.

Jin, Z. (2000). On Differential Market Reaction to Dividend Initiations. *The Quarterly Review of Economics and Finance 40*, 263-277.

Kartini (2001). Analisa Reaksi Pemegang Saham Terhadap Pengumuman Perubahan Pembayaran Dividend Di Bursa Efek Jakarta. *Jurnal Siasat Bisnis 6, Vol.2*.

Lee, B., & Yan, N. A. (2003). The Market's Differential Reactions to Forward Looking and Backward Looking Dividend Changes. *The Journal of Financial Research 4, Vol. 26*, 449-468.

Mackinlay, A. C. (1997). Event Studies in Economics and Finance. *Journal of Economic Literature*, 13-39.

Miller, M., & Modigliani, F. (1961). Dividend Policy, Growth and Valuation of Shares. *Journal of Business 34*, 411-433.

Miller, M., & Rock, K. (1985). Dividend Policy under Asymmetric Information. *Quarterly Journal of Economics,* 1031-1051.

Miller, M., & Scholes, M. (1978). Dividends and Taxes. *Journal of Financial Economics 4, Vol.6*, 333-364.

Mulyati, S. (2003). Reaksi Harga Saham Terhadap Perubahan Dividen Tunai dan Dividend Yield di Bursa Efek Jakarta. *Jurnal Siasat Bisnis 8, Vol.2*, 233-249.

Mustakini, J. H. (2000). *Teori Portofolio dan Analisis Investasi.* Edisi 3. Yogyakarta: Bhakti Profesindo (BPFE).

Nissim, D., & Ziv, A. (2001). Dividend Changes and Future Profitability. *The Journal of Finance*, 2111-2133.

Prasetiono (2000). Pengaruh Pengumuman Dividen Terhadap Abnormal Return Saham Di Bursa Efek Jakarta. *Media Ekonomi dan Bisnis 1, Vol 12*.

Tandelilin, E. (2001). *Analisis Investasi dan Manajemen Portofolio.* Edisi Pertama. Yogyakarta: Bhakti Profesindo (BPFE).

Utami, N. W. (2001). *Reaksi Pasar Terhadap Pengumuman Dividen: Kasus pada Dividend Initiation, Dividen Omission dan Dividen Cut (Studi di Bursa Efek Jakarta Periode 1995-1999).* Universitas Diponegoro, Semarang, Indonesia.

Verma, H., Basedia, N., Phukan, P., Dixit, J. K., & Gupta, S. K. (2010). The Indian Tyre Industry. *Security Analysis Project Report*, 1-40.

Westron, F. J., & Brigham, E. F. (1993). *Manajemen Keuangan Jilid 2.* Jakarta: Erlangga.

Zainefree, G. (2005). *Reaksi Harga Saham Terhadap Pengumuman Dividend Tunai di Bursa Efek Jakarta.* Universitas Diponegoro, Semarang, Indonesia.