

## Market Performance on Resale of Treasury Shares

**Rohaida Abdul Latif, PhD, CFP.**

Senior Lecturer

School of Accountancy,  
College of Business, Universiti Utara Malaysia, Kedah 06010  
Malaysia

**Kamarun Nisham Taufil Mohd., PhD**

Associate Professor

School of Economics, Finance & Banking  
College of Business, Universiti Utara Malaysia, Kedah 06010  
Malaysia

**Hasnah Kamardin, PhD**

Associate Professor

School of Accountancy,  
College of Business  
Universiti Utara Malaysia, Kedah 06010  
Malaysia

### Abstract

*The study examines the announcement effects on resale of treasury shares among publicly listed firms in Malaysia. All firms that resale their treasury shares between 2001 and 2012 are analyzed using standard event methodologies namely market adjusted return (MAR) and market model (MM). We find that resale firms experience significant positive 4% abnormal returns in the 5 days prior to the actual resale of treasury shares. However, there are no abnormal gains realized following the actual resale of treasury shares date, suggesting that the market is semi-strongly efficient where prices can fully reflect all publicly available information.*

**Keywords:** Share buybacks, market performance, efficient market hypothesis, firm performance, Malaysia

### 1. Introduction

Share repurchases or share buybacks have been allowed in Malaysia after the Asian financial crisis in 1997. Since then many Malaysian firms have embarked on buying back their own shares (Abdul Latif, 2010, Mansor, Zaidi & Siew Peng, 2011; Abdul Latif & Taufil Mohd., 2013, Abdul Latif, Taufil Mohd., Wan Hussin & Ku Ismail, 2013). A number of studies have been carried on the announcement effects of share repurchases, yet very limited studies have been conducted on other share repurchases activities such as treasury shares resale<sup>1</sup> or cancel. To the authors' knowledge, this is the one of limited study to assess the price effect on resale of treasury shares using Malaysian companies.

There are three reasons on why this study is important. Firstly, empirical evidence on the effects of resale of treasury shares in developed and emerging market is limited. This is due to data availability and stringent regulation imposed on repurchasing firms to resale their shares in many markets such as in the US (Cesari, Espenlaub & Kurshed, 2011). In contrast to the US rules, Malaysia companies enjoy more liberal rules to resale their treasury shares in the open market.

<sup>1</sup> Resale or reissue of treasury shares will be used interchangeably throughout this paper.

Furthermore, Malaysian companies are required to furnish appropriate disclosures to the public, thus making it possible to conduct research. Secondly, because of limited documented study on resale of treasury shares available, there is also a lack of discussion on the theoretical reasons why companies resale their treasury shares. Thirdly, it is found that there is an increasing and significant trend of companies that reissue or resale their treasury shares in Malaysia.

The current study documents that in 2001, there were only 10 resale of treasury share events by Malaysia companies and the events have accumulated to be 629 by 2012, an increase of 63 times. Previous evidence indicates that corporate policy related events such as investment, operation, and the payout have information content and value implication. For example, the decision to invest in research and development (Lakanishok & Sougiannis, 2001) and decision to repurchase shares (Ikenberry, Lakanishok & Vermaelen, 1995) bring about significant changes to companies prices. Given that there is an increasing trend in resale events among Malaysian firms from 2001 to 2012, it is argued that there must be information content in the event. For example, are companies reselling their treasury shares to correct the mispricing?

This paper is organized as follows: Section 2 discusses important rules regarding share repurchases in Malaysia followed by discussion on literature reviews and hypothesis development. Section 3 presents methods employed for the study. The empirical findings are discussed in section 4. Finally a summary of the findings, conclusion, limitation and future avenues for research are discussed in section 5.

## **2. Literature Review**

### **2.1 Rulings on share repurchase and resale of treasury shares.**

As compared to the US companies, Malaysian companies enjoy considerable autonomy in conducting resale of treasury shares as long as they have been tabled and approved in the company's annual general meeting and fulfilled all procedures and disclosure requirements as stipulated in Chapter 9 and Chapter 12 of Bursa Listing Requirement (2012). Companies in the US can only sell their treasury shares in the open market after preparation of prospectus offering, that is as if they were offering shares to the general public (OICV-IOSCO, 2004). Chapter 12 of Bursa Listing Requirements (2012) dictates the governing rules for embarking on share repurchase activities in Malaysia.

One of the most crucial disclosure requirements is the immediate announcement requirements for transactions purporting to have significant impact on firm valuation as laid down in Section F of the rule 12.18 to 12.23. Among other things, these rules are concerned with the effect on the public shareholding spread, the resale of treasury shares and disclosure requirements that need to be furnished in the company's annual report as well as notification on purchases of own shares, resale and cancel of the repurchased shares (treasury shares). Resale of treasury shares can only be executed after 30 days of repurchases.

Among information that need to be disclosed in the immediate announcement of resale of treasury shares are the minimum price, maximum price, and the unit resale. Part C of Chapter 9 of Bursa Listing Requirements (2012) emphasizes the importance of disclosing material information in a timely manner (Part J: immediate disclosure requirements) as to promote a fair distribution of material information to all users.

The requirements also mandate that all activities related to repurchasing, reselling and cancelling of treasury shares should be included in the director's report of annual reports and in the notes to financial statement section. Furthermore, the detail on these activities (repurchase, resale and cancel) of treasury shares should also include the effects on financial position.

### **2.2 Literature review and hypothesis development.**

Majority of the previous studies on share repurchases has focused on the determinants and price effects of announcement and actual repurchase of shares. For many countries, data on resale of treasury is difficult to obtain and companies always shy away from it because of its stringent rules (Cesari et al., 2011). This study is made possible as Malaysia has the advantage of providing complete and timely information on resale of treasury shares on Bursa Malaysia's website.

#### **2.2.1 Reasons for share repurchase**

Previous evidence examined various reasons on why companies repurchase their own shares. One of the main reasons is signaling of undervaluation (Ikenberry et al., 1995; Abdul Latif, 2010, Abdul Latif et al., 2013).

Other reasons include to i) disgorge excess cash flow (Dittmar, 2000, Oswald and Young, 2008), ii) substitute for dividend payment (Grullon, 2002, Abdul Latif & Taufil Mohd, 2013), iii) manage optimal capital structure (Dittmar, 2000, Abdul Latif, 2010), iv) reduce tax liability (Rau & Vermaelen, 2002 and Oswald & Young, 2008), and v) stabilize share price (Cesari et al., 2011). Locally, Nasruddin and Angappan (2004) find that the main reason for repurchasing in Malaysia is to stabilize their share price.

It is often argued that the main reason for companies to repurchase own shares is signaling of undervaluation. Companies believe that their shares are undervalued thus share repurchases may correct the mispricing. Many studies using developed market are supportive of signaling theory (Vermaelen, 1986; Ikenberry, 1995; Zhang, 2005). Similarly, studies in Malaysia provide evidence of signaling theory (Abdul Latif et al., 2013; Mansor, Zaidi & Swee Peng, 2011; Mohd Jais & Chin, 2001). These studies confirmed that companies gain significant and positive abnormal returns during the repurchasing period.

Based on substitution hypothesis, it is argued that companies repurchase shares to substitute for dividend payment (Grullon & Michaely, 2002). One of the main reasons companies in the US prefers share repurchases over dividend payment is the inherent flexibility of share repurchases: i) flexibility in terms of how much to repurchase, ii) when to actually implement them, and iii) companies will not be penalized in case of nonperformance. However, Malaysian evidence by Abdul Latif and Taufil Mohd (2013) indicates that companies do not substitute dividend payments with share repurchases.

Two unique features of repurchase activities by Malaysian companies are that they are frequent repurchases and they bought back only a small portion of the company's shares (Abdul Latif, 2010). On average, Malaysian companies bought back only 1 percent of their own shares. In comparison, companies in the US bought on average 6 percent of their shares outstanding (Jagannathan & Stephens, 2003; Ikenberry et al., 1995). Abdul Latif (2010) reports that Malaysian companies are frequent buyers of their own shares. About 90 percent of these companies will repeatedly buy back their shares every year.

## 2.2.2 Price reaction on share repurchases events

Since there is a lack of evidence on the price effects on resale of treasury shares, this study will evaluate on the price effect on share repurchases. A number of studies have been done on the price effects of share repurchases (Abdul Latif et al. 2013; Peyer & Vermaelen, 2009; Zhang, 2005; Chan, Ikenberry & Lee, 2007; Ikenberry et al. 2000; Ikenberry et al., 1995). Many of these studies are supportive of the idea that companies gain significant abnormal returns on the announcement and actual repurchasing of the company's shares both during the announcement period and in the long run thus are supportive of signaling hypothesis.

Locally, Abdul Latif et al. (2013) examine the announcement effects and long run performance of repurchases for firms embarking on the actual share repurchase between 1999 and 2006. Using both market model and market adjusted return model for immediate price effects, the study found that companies gain significant abnormal returns during the actual repurchasing periods but not during the announcements of intention to repurchase.

This means market considers actual repurchasing as positive news, but the market is indifferent to the mere intention of share repurchase. In other words, actual repurchasing of shares has significant information content while the mere announcement of repurchases does not. It is argued that companies perceived their shares are undervalued and compelled to signal this belief by actually repurchasing their shares. The fact that the market reacts positively to the repurchasing event dates confirmed that the prices were undervalued. For the long-run performance, Abdul Latif et al. (2013) use both cumulative abnormal return and buy and hold return methods to gauge for long run price effects. The study reveals that there is no difference in price performance between repurchasing and non-repurchasing firms regardless of the benchmarks used. There is mixed evidence on the market reactions to the announcement of share repurchases in Malaysia. This is due to sample selection, time period covered and methods used in determining price effects. Table 1 summarizes the studies on the share repurchases in Malaysia.

**Table 1: Studies on share repurchases in Malaysia**

	Year-Data	Measurement used for sample selection	No. of companies**	Focus
Mohd Jais and Chin (2001)	1997-1998	All	34 announced SR	Price effects
Lim and Bacha (2002)	1997-2001	All	131 announced firms and 43 actual buy back	Price effects
Nasruddin and Angappan (2004)	1997-2002	All	40	Stated reasons for repurchases
Kadir & Abdullah (2006)	1999-2002	All events	30 events	Price effects
Mohd Jais 2009	2000-2005	All events	227 events	Substitution
Abdul Latif (2010)	1999-2006	All SR <sup>#</sup> of > 1%*	82	Determinants and price effects
Edward Wong et al. (2011)	2006-2009	Top 100 cos**	35	Price effects
Mansor et al. (2011)	2001-2005	All companies	149	Price effects
Abdul Latif & Taufil Mohd. (2013)	1999-2006	All SR <sup>#</sup> of > 1%*	82	Signaling & Substitution
Abdul Latif et al. (2013)	1999-2006	All SR <sup>#</sup> of > 1%*	82 announced SR <sup>#</sup> and 77 long-run actual SR <sup>#</sup>	Announcement, actual and long-run price performance

\*All SR of > 1% means all share repurchasing companies that bought back at least 1% of its outstanding ordinary shares. SR<sup>#</sup> is share repurchases.

### 2.2.3 Information asymmetry, mispricing, and efficient market hypothesis

Fama (1965) introduced the Efficient Market Hypothesis in finance literature and has made great contribution in many finance studies regarding the association between company's events and stock price movement. The market is said to be efficient if prices can fully reflect available information (Fama, 1970). There are three forms of market efficiency, which are: i) weak, ii) semi-strong, and iii) strong. The market is considered weakly efficient when prices reflect historical data. The market is semi-strong efficient if prices reflect all publicly available information. The market is considered strongly efficient when prices reflect all data: historical, public and private information. In other words, strongly efficient market would reflect the companies' intrinsic value. Finance literature indicates that there are several ways to measure market efficiency.

One of the prominent ones is event study methods. The strong form of efficient market hypothesis posits that market is efficient whenever prices can fully reflect companies' true intrinsic value using all information available. Using variance ratio test, Kim and Shamsuddin (2008) find that Malaysian market is not efficient despite the financial liberation implementation since the eighties. Zaluki, Abdullah, Abdullah and Alassan (2012) find market reacted differently to the earnings announcement released on Friday suggesting market is not truly efficient. Using 120 earnings announcements, Zaluki et al. found that market reacted negatively to earnings announcement but responded positively to losses announcements made on Friday.

Myers and Majluf (1984) argue that companies use financial policy change to signal to the market of their true intrinsic values. This argument was based on the premise that companies knew better about its own true value and were compelled to correct perceived market mispricing. Perceived market mispricing happened because of the presence of information asymmetry between the insiders, i.e. the managers, and the outsiders. In the context of resale of treasury shares, it is argued that companies have privy information on its true value.

Managers find that prices are stable or overvalued and are taking the opportunity to take advantage of the temporary price mispricing. Wang, Lin, Fung and Cheng (2013) examine two types of repurchasing firms: i) repurchase to retire and ii) repurchase to reissues shares. They find that firms that retire or cancel their treasury shares show a superior long-term performance than those that reissue their treasury shares. The result indicates that companies use repurchases to signal of their undervaluation that market and the fact that companies earn significant abnormal returns in the long run suggests that market under reacted when the repurchase news were first made public. Further evidence shows that the long-term price performance is positively related to firms' operating performance and dividend payouts in the post-repurchase period.

## 2.2.4 Earnings performance and signaling theory

Myers and Majluf (1984) argue that the signaling theory is based on two general assumptions which are: i) managers are better informed than the shareholders and the public concerning the future prospects of their firms and ii) given the better information available, managers can take certain action in an attempt to signal their better expectation of their firms' prospects. Managers are greatly concerned on meeting company's financial targets such earnings per share (EPS) and dividend per share (DPS), to name a few. For example, Bartov (2002) argues that managers strive to meet or beat EPS expectation. Kross, Ro and Suk (2011) also provide evidence that management that have exhibited a smooth and consistent EPS pattern would more likely to make bad news to strategically maintain their earnings pattern.

We examine whether resale of treasury share events has information content. In other words, do the resale events trigger market movement? This can be achieved by examining the price effects surrounding the actual resale of treasury shares. Thus the hypothesis is as follows:

H1: There is a significant abnormal returns gained on actual resale of treasury shares.

To the authors' knowledge, this is the first study to assess the price effect on resale of treasury shares using Malaysian companies.

## 3. Data and Methodology

Data on all resales of treasury share events from 2001 to March 2012 are collected from the Bursa Malaysia website. Daily prices for each company and Kuala Lumpur Composite Index (KLCI) are collected from Thompson DataStream database. Researchers have used many event periods to capture on announcement price effects. MacKinlay (1997) suggests that the event period can be longer to adequately capture the price effects of the announcements. This study uses 11-day event period (-5, +5 days) to adequately capture any significant price changes due to possible information leakage.

The estimation period of the market model is from day -90 to day -31 before the announcement date. Following MacKinlay 1997, this study uses a standard event study methodology, namely market model (MM) and market adjusted return model (MAR) to gauge the abnormal gain during the announcement period of 11 days (-5,+5) surrounding the actual resale of treasury shares. This study employs the same methods and procedures to detect abnormal returns as suggested in Abdul Latif et al. ( 2013). Kuala Lumpur Composite Index (KLCI) is used as a market index or benchmark index. Daily prices for each company's resale event date and the corresponding KLCI are gathered beginning from -90 days prior to the announcement date to the 5 days after the announcement date.

## 4. Results and Discussion

Table 2 presents the classification of sample firms based on Bursa Malaysia industry classification. For the period between 2001 and 2012, there were 95 companies embarked on resale of treasury shares exercises. The table shows that sample companies came from all different industry classification, many of these companies were categorized as industrial (31 companies or 32.6%) followed by companies in trading and services industry.

**Table 2: Sample firm and bursa Malaysia industry classification**

Industry classification	No. of company	%
Consumer	8	8.4%
Construction	8	8.4%
Finance	4	4.2%
Industrial	31	32.6%
IPC	1	1.1%
Plantation	2	2.1%
Property	13	13.7%
Technology	9	9.5%
Trading & services	19	20.0%
Total	95	100.0%

Table 3 tabulates the events on resale of treasury shares for all companies for the period between 2001 and 2012. For the period, there were a total of 626 events undertaken by 95 unique companies. Abdul Latif (2010) reports that some of the unique criteria of Malaysia share repurchases is that many of the repurchasing firms are repeat buyers, they repurchases shares throughout the year, and they buy in small portion.

Likewise, this study also finds that Malaysian firms exercise repeat resale of their treasury shares. From the total 626 resale events, 493 or 78 % are recurring resale events and from the total of 95 unique companies, 41 companies or 43% repeatedly resale their treasury shares. Detail analysis indicates that many of these companies repurchase their shares in a small proportion of their outstanding shares, but resale their treasury shares in significant proportion or almost all of their available treasury shares.

**Table 3: Number of resale of treasury share events from 2001 to 2012.**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Resale events	10	5	9	18	35	89	159	12	121	88	26	57	626
Repeat events	9	4	6	14	32	77	132	8	108	79	17	48	493
Companies	1	2	5	5	4	15	32	9	18	14	14	17	136
New company	1	1	3	4	3	12	27	4	13	9	9	9	95

Table 4 presents descriptive statistics for the sample firms. The mean (median) number of units of treasury shares reissue on the open market is 5,515,921 (2,116,994) units at prices higher than acquisition costs. Out of 74 firms that resale their treasury shares, 4 firms experience losses, two firms earn zero return while the rest of resale companies enjoys significant gain that can be used for operational activities. Resale companies typically resale 2.0 percent of its outstanding shares measured in units, PRESALE. Premium or return is calculated as the price sold divided by unit cost and minus 1. On average companies gain 70 percent premium for resale of treasury shares. Typically, companies gain on average RM2.6 million from the resale of treasury share transactions and the maximum gain was RM44.5 million.

**Table 4: Descriptive statistics**

	Mean	Median	Min	Max	Std deviation
unit resale	5,515,921	2,116,994	9000	75733000	12254195.05
unit cost	1.817	1.067	0.124	8.180	1.788
Total unit cost	14,318,175	2,521,300	4,950	424,588,550	54,136,381
Price sold	2.529	1.344	0.148	14.140	2.827
RM Sold	16,971,217	3,552,636	4,950	439,415,060	57,430,149
Premium	0.708062796	0.23265	-0.725	6.733	1.407963824
Gain on resale	2,653,124	486,065	(4,862,508)	44,550,241	6,894,345
PRESALE	2.04%	0.99%	0.0008%	15.42%	2.93%

Table 5 presents group statistics for different of two means for the sample when the companies are divided equally on the amount of the median gain received for resale of treasury shares transactions. The median for gain received is RM486,065 as presented in Table 4. Table 5 indicates that both of these groups (those that gain more than the median value and those that gain less than median value) are statistically different in all categories of unit sold, percentage of treasury shares resale and the premium received.

**Table 5: Group statistics**

	Median gain	N	Mean	Std. Deviation	Std. Error Mean	t-test	sig 2-tailed
unit sold-AR	0	37	1,696,996	2,874,594	472,580	-2.804	.006***
	1	37	9,334,846	16,317,474	2,682,576		
Premium	0	37	.222	1.012	.166	-3.148	.002***
	1	37	1.195	1.584	.260		
PORESALE	0	37	1.27%	2.68%	0.44%	-2.345	.022**
	1	37	2.82%	3.00%	0.49%		

\*\*, \*\*\* Indicate significant at 5% and 1% respectively.

Malaysian firms do not resale their shares in a single day. If this study considers all resale events, some companies will give undue weight to some companies. For example “A” made 49 resale transactions in the year 2009, while other companies make only 1 or two resale events. Furthermore, efficient market hypothesis argues that the effect on an event should be most pronounced on the first released of information. Repeated resale events would lessen the price signal to the market; therefore this study uses only the first resale event in a given year as follows;

There is a total of 626 resale events from 2001 to March 2012. We use only the first event of the year. This procedure produces 95 unique first time resale companies for years between 2001 and 2011. There are 17 companies with missing price data and therefore are not included in the sample. These screening procedures produced a sample of 78 companies. The announcements of treasury share resale are then compared to the companies' disclosure in the annual reports to confirm its validity. There are 4 announcements of treasury share resale that could not be traced to the company's annual report thus are excluded from the final sample of 74 companies.

**Table 6: Sample selection procedures**

Procedures	No.of events
Total resale events	626
Less: multiple resales	531
First time yearly events	95
Delisted/data unavailable/ not valid	21
Final companies or first event	74

Table 7 compares the CAAR of 74 yearly events between day -5 to 5 using MAR and MM. Companies experience a positive and significant 4% (3.59%) CAAR during day -5 to day 0 using MAR (MM) respectively. Companies continue to experience positive and significant CAAR during the window period, especially in the window period prior to the resale date. After the resale date, none of the CAR is significant using either MAR or MM.

**Table 7: First time events (74 observations)**

Window	MAR				MM			
	CAAR	STDEV	Z-score	P-value	CAAR	STDEV	Z-score	P-value
day-5 to 0	3.94%	0.0821	4.1257	0.0000***	3.59%	0.0821	3.7628	0.0002***
day-5 to 5	3.40%	0.1074	2.7218	0.0065***	2.47%	0.1081	1.9682	0.0490**
day-3 to 0	2.87%	0.0581	4.2487	0.0000***	2.72%	0.0601	3.9028	0.0001***
day-3 to 3	2.12%	0.1035	1.7588	0.0786*	1.55%	0.1024	1.2989	0.1940
day-1 to 1	1.94%	0.0594	2.8149	0.0049***	1.75%	0.0606	2.4755	0.0133**
day-1 to 0	1.81%	0.0501	3.1027	0.0019***	1.71%	0.0492	2.9977	0.0027***
day 0 to 5	0.10%	0.0821	0.1028	0.9181	-0.60%	0.0841	-0.6090	0.5425
day 0 to 3	-0.48%	0.0743	-0.5509	0.5817	-0.95%	0.0753	-1.0900	0.2757

\*, \*\*, \*\*\* indicate significant at 10%, 5% and 1% respectively.

### 5. Conclusion, limitation, and future research

The study investigates whether there is significant price reactions on the resale of treasury shares events in Malaysia. Using market model (MM) and market adjusted return model (MAR) on the first actual resale events, we find that companies gain positive and significant abnormal returns before the actual resale date.

This indicates that the resale of treasury shares has information content. However, there were no abnormal returns gained following the actual resale dates. The abnormal returns quickly disappear after the event dates, suggesting that the market is quick to respond to the new information released thus is supportive of semi-strong form of efficient market hypothesis where prices fully reflect all publicly available information.

This study has several limitations. First, this study is limited to the immediate announcement effect surrounding resale of treasury shares events. Future research may test on the persistence of the abnormal gains of treasury shares resale in the long-run. Besides signaling theory and information asymmetry, other underpinning theory of equity issuance can also be applied to the resale of treasury shares context: for example, mispricing theory, corporate life cycle theory. Corporate governance mechanisms have long been known to have important implication on the company's policy. Therefore, incorporating them in the equation would more likely to reveal i) type of companies that embarked on resale of treasury shares ii) price and operating performance of resale firms in the long run and iii) to what extent resale of treasury shares increases shareholders' value.

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### Reference

Abdul Latif, R. (2010) Share Buybacks: Determinants and Price Effect, PhD Thesis, Universiti Utara Malaysia, Malaysia, 2010.

Abdul Latif, R. & Taufil Mohd, K.N. (2013). Signalling and Substitution Hypothesis in Malaysian Share Repurchases. *Management*, 3 (2), 99-104, DOI: 10.5923/j.mm.20130302.06

Abdul Latif, R., Taufil Mohd, K.N, Wan Hussin, W.N, & Ku Ismail, K.N (2013). The Wealth effects of Share Repurchases In Malaysia, *International Journal Of Management Studies*, 20, 2, 95-115.

Bartov, E., Givoly, D., & Hayn, C. (2002). The Rewards for Meeting-or-Beating Earning Expectations. *Journal of Accounting and Economics*, 33, 173-204.

Bursa Malaysia main market listing requirements available online: <http://www.bursamalaysia.com.my>.

Cesari, A., Espenlaub, S. & Khurshed, A. (2011). Stock repurchases and treasury share sales: Do they stabilize price and enhance liquidity? *Journal of Corporate Finance*, 17, 1558–1579.

Chan, K, Ikenberry, D.L., Lee, I. (2007). Do managers time the market? Evidence from open-market share repurchases, *Journal of Banking & Finance*, 31, 2673–2694.

Dittmar, A.K. (2000). Why do firms repurchase stock? *Journal of Business*, 73 (3), 331–355.

Fama, E. F. (1965) Random Walks in Stock Market Prices, *Financial Analysts Journal*, September-October, 55 – 59.

Fama, E. F. (1970) Efficient Capital Markets: A Review of Theory and Empirical Work, *Journal of Finance*, 25, 383 – 417.

Grullon, G. & Michaely, R. (2002). Dividends, share repurchases, and the substitution hypothesis. *The Journal of Finance*, Vol. LVII(4), pp1649-1683.

Ikenberry, D. Lakonishok, J. & Vermaelen, T., (1995). Market underreaction to open market share repurchases, Elsevier, *Journal of Financial Economics*, 39 , pp. 181-208, 1995.

Jagannathan, M., & Stephens, C. (2003). Motives for multiple open-markets repurchase programs. *Financial Management*, Summer, 71-91.

Kadir Sahar, H. S. & Abdullah, N.H (2006). Does Price React to Fixed price Tender Offer Share Buyback Announcement? *International Journal of Management Studies*, Vol. 13, No.1, pp.73-94.

Kahle, K. (2002). When a buy back isn't a buy back: open-market repurchases and employee stock options. *Journal of Financial Economics*, 63, 235-261.

Kim, J.H. & Shamsuddin, A. (2008). Are Asian stock markets efficient? Evidence from new multiple variance ratio tests , *Journal of Empirical Finance*, 15 , 518–532.

Kross, W.J., Ro, B.T., & Suk, I. (201). Consistency in meeting or beating earnings expectations and management earnings forecasts, *Journal of Accounting and Economics*, 52, 37-57.

Lakanishok, J. & Vermaelen, T. (1990). Anomalous price Behavior Around Repurchase Tender offers. *The Journal of Finance*. Vol. XLV, No. 2, 455-477.

Lim, E. H., & Obiyatulla I. B. (2002). Price Reaction to Stock Repurchases: Evidence from the KLSE. *Capital Market Review*, 10 (1).139-177.

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

Mansor Isa, Zaidi Ghani & Siew Peng Lee (2011). Market Reaction to Actual Share Repurchase in Malaysia, *Asian Journal of Business and Accounting*, 4(2), 27-46.

Myers, C. & Majluf, N. (1984). Corporate financing and investment decisions when firms have information that investors do not have. *Journal of Financial Economics*, 13, 187-221.

Mohamad Jais, & Chin, Y.F. (2001). The effects of share repurchase announcements in Kuala Lumpur Stock Exchange. Paper presented at the Malaysian Finance Association 3rd Annual Symposium, Kuala Lumpur.

Myers, S.C. a& Majluf, N.S (1984). Corporate financing and investment decisions when firms have information that investors do not have, *Journal of Financial Economics*, 13, 187-221.

Nasruddin, Z. & Angappan, R. (2004). Stated motivation for share buy-backs decision in Malaysia, *Bankers Journal*, 34-42.

OICV-IOSCO, (2004). Report on ‘stock repurchase programs’. International Organization of Securities Commissions.

Oswald, D. & Young, S. (2008). Share reacquisition, surplus cash, and agency problems. *Journal of Banking & Finance*, 32, 795-806.

Peyer, U. & Vermaelen, T. (2009) The Nature and Persistence of Buybacks anomalies, *The Review of Financial Studies*, 22, , 4,1693-1745

Rau, P., & Vermaellen, T. (2002). Regulation, Taxes and Share Repurchases in the United Kingdom. *Journal of Business*, Vol. 75(2), 245-282.

Vermaelen, T. (1981). Common stock repurchases and market signalling. *Journal of Financial Economics*, 9, 139–183.

Wang, Li-Hsun, Lin, Chu-Hsiung, Fung, Hung-Gay & Chen, Hsien-Ming. (2013). An analysis of stock repurchase in Taiwan, *International Review of Economics and Finance*, 27, 497–513.

Zaluki, N. Abdullah, R. Abdullah, S. and Alassan, Z. (2012). Do Investors React Differently on Friday’sEarnings Announcements? *Int. Journal of Economics and Management* 6, 1, 75 – 97.

Zhang, H. (2005). Share price performance following actual share repurchases, *Journal of Banking and Finance*, 29, 1887-1901.