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Director pay slice, the remuneration committee, and firm financial performance

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Abstract: This study aimed to analyze the relationship between the director pay slice and firm financial performance. This study used 1024 observations from companies listed on the Indonesia Stock Exchange from 2011 to 2019. The analytical technique used in this study was ordinary least square regression with a cluster model approach and fixed effects using the STATA 16.0 software. This study partially found that director pay slice and the existence of a remuneration committee are positively and significantly related to the company's current and future performance. Furthermore, this study indicates that companies with a high director pay

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PUBLIC INTEREST STATEMENT

This paper the relationship between the director pay slice and firm financial performance. This study used 1024 observations from companies listed on the Indonesia Stock Exchange from 2011 to 2019. The analytical technique used in this study was ordinary least square regression with a cluster model approach and fixed effects using the STATA 16.0 software. This study partially found that director pay slice and the existence of a remuneration committee are positively and significantly related to the company's current and future performance. Furthermore, this study indicates that companies with a high director pay slice and remuneration committees tend to have a better level of performance because the presence of a remuneration committee helps to align the relationship between the director pay slice and firm financial performance. This study has implications for developing countries regarding effective corporate governance by analyzing the governance in Indonesia. Our study's overarching goal was to understand the relationship between the director's pay slice and the firm's financial performance through the overall analysis.

slice and remuneration committees tend to have a better level of performance because the presence of a remuneration committee helps to align the relationship between the director pay slice and firm financial performance. This study has implications for developing countries regarding effective corporate governance by analyzing the governance in Indonesia. Our study's overarching goal was to understand the relationship between the director's pay slice and the firm's financial performance through the overall analysis.

Subjects: Business; Management and Accounting; Accounting; Corporate Governance

Keywords: Director pay slice; firm financial performance; remuneration committee; corporate governance

JEL Classification: M40; M41; M48

1. Introduction

Previous research related to CEO (Chief Executive Officer) power has used CEO Pay Slice (CPS) as a measurement. CPS has the value of simplicity and applicability when applied to empirical questions in corporate governance. The development of research related to CPS has increased along with the problems to do with CEO compensation. Against the backdrop of corporate scandals and governance failures plaguing companies worldwide, the growth of CEO compensation has placed executive compensation at the center of discussions about corporate governance (Choe et al., 2014).

CPS only captures the power of individual CEOs. In some cases, this may be relevant because some CEOs may be superior when compared to the other executive teams. The research conducted by Velte (2020) states that if the CEO's compensation contract is different from that of the other executive directors and the amount is much higher, it reflects the increasing power of the CEO. The dimensions of incentives and power can be simultaneously effective in relation to the individual CEO compensation variable. If the focus is on CPS in a one-tier board system, then in a two-tier board system, CPS is not relevant to use because of the system differences. In the two-tier board system, the collective strength of the board of directors becomes relevant for further research, which in this study will be shown through the Director Pay Slice (DPS). This is a fraction of the compensation of the directors compared to the overall compensation of the board of directors and commissioners. The higher the proportion of the directors' compensation, the higher the strength of the board of directors compared to the board of commissioners.

Archival research examining the effect of CPS on corporate performance documents provides minimal and mixed findings, leading to a complex and incomplete understanding of the impact of having a high CPS. CPS is known to be negatively related to profitability. In addition, firms with high CPS tend to have industry-adjusted operating income to asset ratios (Bebchuk et al., 2011). On the other hand, the company can deliberately set a high CPS to motivate the CEO and other top executives. The CEO is motivated to be a good steward and makes every effort to ensure the continuance of the successful firm financial performance to maintain their reputation (Gibbons & Murphy, 1992). Therefore, a high CPS will result in a higher level of firm financial performance (Hu et al., 2013). Based on this explanation, this study also argues that companies with a high DPS will also have better level of firm financial performance. In addition, a high DPS will encourage the board of directors to encourage better firm financial performance.

The scheme of the relationship between compensation and firm financial performance was chosen to be analyzed in this study. This is based on agency theory where compensation is a tool to help align the interests of the managers and shareholders (Jensen & Zimmerman,

1985). The empirical evidence also found that the CEOs put more of an effort into achieving the company's operational goals and objectives if given adequate incentives beforehand (Aslam et al., 2019). In addition, Aslam et al. (2019) also found that the remuneration committee considered past compensation as a reference when setting the current compensation instead of using the company's past performance.

The importance of compensation for the company is the initial driver of the emergence of a remuneration committee. With the existence of a remuneration committee, it is hoped that the committee can determine the appropriate compensation and improve firm financial performance. A remuneration committee within a company has a positive relationship with firm financial performance (Agyemang-Mintah, 2016). This indicates that the committee can research, monitor the process, and advise the executive management on any compensation decisions. The existence of a remuneration committee is expected to provide adequate remuneration to the company boards that will in turn provide incentives for them to maximize the firm financial performance (Harymawan et al., 2020). In addition, a remuneration committee is expected to reduce any agency conflicts that occur in the company.

This study provides an update by discussing the pay slice of the board of directors or DPS in a country with a two-tier board system, specifically Indonesia. This is due to the differences in the governance system used, causing differences in the way that the executive compensation is disclosed. This research also complements the previous research on executive compensation in Indonesia which was only previously conducted on banking companies (Chou & Buchdadi, 2018). This study used all of the companies listed on the Indonesia Stock Exchange except for the companies in the financial sector for the period 2011–2019.

This study indicates that companies that have a high DPS and a RNC have a better current firm financial performance. Furthermore, companies that have a high DPS and a RNC have a better future firm financial performance. However, these results do not show any differences in the results found when measuring firm financial performance using accounting-based consist of Return on Asset (ROA), Return on Equity (ROE), Return on Asset using Earnings before Tax (ROAEBIT), and Return on Equity using Earnings Before Tax (ROEEBIT) and marketing-based methods (Tobin's Q) both for the current situation and in the future.

In Section II, we present the brief background and history of remuneration and describe the hypothesis development. Section III provides a discussion of the method. We present our analysis in Section IV and discuss the related implications for board remuneration and firm financial performance. Section V concludes and provides suggestions for future research.

2. Literature review

2.1. Institutional setting

In Indonesia, disclosure related to executive compensation is still not required. This means that not all companies mention the amount of compensation provided in their annual reports. In addition, the disclosure of executive compensation in Indonesia is also limited to the total compensation of the entire board of directors or to the total compensation of the entire board of commissioners and the total amount of compensation from the two boards together.

In Indonesia, the remuneration committee is integrated with the nomination and remuneration committees. This committee plays an important role in determining the company's management compensation. Based on the Financial Services Authority Regulation Number 34/POJK.04/2014 concerning the Nomination and Remuneration Committee of Issuers or Public Companies, it is

stated that the nomination and remuneration committee is a committee formed by and responsible to the board of commissioners, helping them to carry out the functions and duties of the board of commissioners related to the nomination and remuneration of and for the members of the board of directors and the members of the board of commissioners. Companies that go public are required to have a nomination and remuneration function, which began in 2015.

2.2. Optimal contracting theory

Optimal contracting theory suggests that managerial compensation is a tool that encourages managers to act in the best interests of shareholders, thereby reducing agency problems (Grossman & Hart, 1983; Holmstrom, 1979). Based on the optimal contract perspective, agency-based models generally argue that an intensive compensation structure becomes an incentive that minimizes agency costs (Kumar & Sivaramakrishnan, 2008). From this optimal contracting perspective, it is assumed that the board and compensation committee will design managerial compensation to maximize shareholder value.

The optimal contracting model predicts that the compensation provided will not vary in a direction consistent with the degree of independence in the salary setting process (Core et al., 1999). This is not because the board's composition is irrelevant but because it is based on the selection of shareholders who control the board and the remuneration committee that will result in an optimal contract.

It is difficult to determine whether the observed compensation contract can optimally address the problem between the principal and the agent. Board compensation may be related to firm performance for reasons other than providing incentives, such as attracting talented executives to the firm (Lazear, 2004) and efficient bargaining over corporate profits (Blanchflower et al., 1996). However, by looking at the proportion of compensation given to directors and commissioners, it will at least be known whether the allocation of company resources provided by the company has been optimally following the goals and performance of the resulting company.

Research in the US has only provided evidence for a one-tier board system. So far, there has been almost no systematic empirical analysis of the problems in setting up a two-tier board system. In contrast, the internal governance in the two-tier board system is significantly different from the one-tier board system (Jungmann, 2007). The basic difference between the two arrangements is that executive control in a two-tier board system is delegated to a separate supervisory board. In contrast, in a one-tier board system, it becomes part of the board's task. Given these differences, there is a conceptual debate about the optimal director compensation in a two-tier board system.

2.3. Hypothesis development

2.3.1. Director pay slice and firm financial performance

DPS and CPS are the same measurements that are calculated based on executive compensation. DPS is a development of the CPS measurement previously conducted in many countries with a one-tier board system that is different from a two-tier board system. The research related to CPS is the basis of the formation of the hypotheses included in this study. Hu et al. (2013) found that CPS is positively related to firm performance. High CPS is also intended to increase the company results (Edmans & Gabaix, 2011). Based on this evidence, DPS is also expected to result in a good level of performance in the company. The evidence regarding the overall compensation also found that executive compensation positively correlates with firm financial performance (Aggarwal & Ghosh, 2015; Aslam et al., 2019; Harymawan et al., 2020). This aligns with the optimal contract perspective, agency-based models, which argue that an intensive compensation structure becomes an incentive that minimizes agency costs (Kumar & Sivaramakrishnan, 2008).

Other evidence also suggests that the directors will be motivated to be good stewards and make every effort to ensure the success of the firm financial performance as they maintain their own reputation (Gibbons & Murphy, 1992). Therefore, when the shareholders have given their trust through the compensation provided, the board of directors should also do their best.

The board of commissioners' compensation was previously found to be positively related to firm financial performance (Harymawan et al., 2020). Unlike the board of commissioners whose job it is to supervise, the board of directors makes decisions on all matters relating to the company's management. Therefore, it is very important to pay attention to its decisions when it comes to allocating the appropriate proportions of compensation to the directors and commissioners.

Based on the explanation above, the hypothesis formulated is that the company deliberately decides to set a high DPS to motivate the board of directors, which will then improve the company's performance. A high DPS may reflect the presence of more capable directors. It is expected that there will be a positive relationship with firm financial performance and vice versa if a high DPS indicates low performance. This may be due to a failure in governance.

This study divides the company according to its accounting-based (ROA and ROE) and marketing-based (Tobin's Q) performance. The results of the studies that depend on accounting-based performance are different from the results of the studies that rely on market measurements. This is because of the lack of data received by investors (Hamdan, 2018). As a result, the market performance is negatively or positively affected at different times to the firm's actual performance. Aslam et al. (2019) previously analyzed the relationship between the directors' compensation and firm financial performance and found there to be a positive relationship between the two. To that end, this study used two measurements better to understand the relationship between DPS and firm financial performance. The statement that compensation will be determined optimally to unite the interests of managers and shareholders (Grossman & Hart, 1983; Holmstrom, 1979; Kalyta, 2008) will be seen on a short-term and future basis.

H1: There is no relationship between the Director Pay Slice and the firm's financial performance.

2.3.2. Director pay slice, the remuneration committee and firm financial performance

The remuneration committee, which is a sub-committee under the board of commissioners, assesses the executive's performance and then determines the appropriate compensation package and reports it to the board of commissioners. The establishment of a remuneration committee can play an important role in determining the executive compensation required to align the interests of both the shareholders and managers by providing appropriate information to the company's board. Aggarwal and Ghosh (2015) found that board independence is positively related to firm financial performance in countries where poor investor protection results in a concentrated ownership structure. Remuneration committees where there is high quality corporate governance, as measured by the ratio of independent board members, should be able to align better executive incentives with the rights of all stakeholders, including minority shareholders and depositors.

Furthermore, the previous research found evidence that risk and the compensation committee composition are both positively associated with risk, which in turn is associated with firm financial performance (Tao & Hutchinson, 2013). These results are also supported by the findings of Harymawan et al. (2020) and Chou and Buchdadi (2018) who found that companies that have nomination and remuneration committees make more effective remuneration packages that lead to higher firm financial performance. This result is stronger evidence of the combined impact of the remuneration committee and compensation package leading to higher firm financial performance.

Similar to the explanation given in H1, this study divides the company's performance based on accounting-based (ROA and ROE) and marketing-based (Tobin's Q) methods. The results of the studies that depend on accounting-based performance are different from the results of the studies that rely on market measurements. This is because of the lack of data received by investors (Hamdan, 2018). As a result, market performance is negatively or positively affected at different times by the company's actual performance. For this reason, the study uses two measurements to understand the moderating impact of the existence of a remuneration committee on the relationship between DPS and firm financial performance.

H2: The Remuneration Committee does not moderate the relationship between the Director Pay Slice and the firm's financial performance

3. Research method

3.1. Sample and sources of the data

We used a sample that consist of listed firm on the Indonesia Stock Exchange for 2011–2019. The data on remuneration and the existence of a remuneration committee were collected manually from the annual reports. The data on the control variables was collected from the OSIRIS database. We applied the sample selection criteria to reach our final sample. We used all industries for our sample. We excluded any missing variables. After applying the criteria, our final sample included 1024 firm-year observations. We winsorized all of the continuous variables at the 1st and 99th percentiles to mitigate the undesirable influence of outliers. We do this winsorized process to reduce normality problems.

3.2. Operational definition and variable measurement

The variables used in this study were firm financial performance, the director pay slice, and the existence of a remuneration and nomination committee (RNC). The measurement of firm financial performance (PERF) used Return on Assets and income after tax (ROA; Agyemang-Mintah, 2016; Aslam et al., 2019; Harymawan et al., 2020). Return on Equity used income after tax (ROE; Harymawan et al., 2020) and Return on Assets used income before tax and interest (ROAEBIT; Ahmed, 2010). Return on Equity used income before tax and interest (ROEEBIT) (Detthamrong et al., 2017) and Tobin's Q (Aggarwal & Ghosh, 2015; Aslam et al., 2019; Harymawan et al., 2020; Tarkovska, 2017). Director pay slice was measured using the proportion of the director's total compensation divided by the total compensation of the directors and commissioners. RNC was measured using a dummy variable and it was coded 1 if a company disclosed the existence of a stand-alone RNC and 0 otherwise.

We followed the previous literature when it came to using control variables (Chauhan et al., 2016; Dutton & Duncan, 1987; Harymawan et al., 2020; Hu et al., 2013; Tarkovska, 2017). The control variables include the proportion of independent directors (INDCOM), board size (BSIZE), company growth (GROWTH), capital intensity (CAPINT), firm size (FSIZE) and leverage (LEV). INDCOM is the proportion of the number of independent commissioners to the number of commissioners in the company. BSIZE is the total number of directors and commissioners in the company. LOSS is proxied through a dummy variable with a score of 1 if the company suffered a loss in the previous year and 0 otherwise, GROWTH is the percentage of this year's sales minus the previous year's sales scaled by the previous year's sales. CAPINT was measured using fixed assets divided by total assets. FSIZE is the natural logarithm of the total assets. LEV is the ratio of current liabilities to total assets. All of the variables used in this article have been summarized in [Table 1](#).

Table 1. Variable operational definition

Variable		Measurement	Source
Return on Asset using Earnings After Tax	ROA	Earnings after tax divided by total assets.	OSIRIS
Return on Asset using Earnings Before Interest and Tax	ROAEBIT	Earnings Before Interest and Tax divided by total assets.	OSIRIS
Return on Equity using Earnings After Tax	ROE	Earnings after tax divided by total equity.	OSIRIS
Return on Equity using Earnings Before Interest and Tax	ROEEBIT	Earnings Before Interest and Tax divided by total equity.	OSIRIS
Tobin's Q	TOBINSQ	The market value of equity and book value of liabilities divided by total assets.	OSIRIS
Director Pay Slice	DPS	Total remuneration of directors divided by total remuneration of directors and commissioners	Annual Report
Remuneration Committee	RNC	Dummy variable, 1 if there is a Remuneration Committee within the company and 0 if there is no Remuneration Committee within the company	Annual Report
Board Size	BSIZE	Natural logarithm of the number of members of the board of directors and board of commissioners in the company	Annual Report
Independent Commissioner	INDCOM	Percentage of independent commissioner in the company	Annual Report
Previous Year Loss	LAGLOSS	Dummy variable, 1 if the company earned negative after-tax income in the previous year, and the 0 if otherwise	OSIRIS
Growth of sales	GROWTH	Difference between net sales and lag net sales divided by lag net sales	OSIRIS
Capital Intensity	CAPINT	Fixed assets divided by total assets.	OSIRIS
Firm Size	FSIZE	Natural logarithm of total assets at the end of the year	OSIRIS
Leverage	LEV	Total debt divided by total assets	OSIRIS

Table 3. Sample distribution by industry

SIC	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
0	0	0	0	0	0	0	0	0	4	4
1	8	23	29	19	17	15	13	36	24	184
2	11	26	29	26	25	24	25	42	35	243
3	16	20	19	18	17	22	16	27	14	169
4	9	24	26	20	22	22	23	34	20	200
5	2	11	12	13	14	11	12	11	7	93
7	3	12	13	13	17	16	18	13	6	111
8	1	1	1	2	2	3	3	3	4	20
Total	50	117	129	111	114	113	110	166	114	1024

Table 4. Descriptive statistics

	Mean	Median	Minimum	Maximum
ROA	4.464	3.255	-19.600	39.480
ROE	7.157	7.675	-98.630	120.210
ROAEBIT	6.496	4.805	-24.840	52.120
ROEEBIT	11.132	11.230	-114.130	162.190
TOBINSQ	0.477	0.471	0.049	0.915
DPS	0.747	0.761	0.302	0.986
RNC	0.428	0.000	0.000	1.000
INDCOM	32.679	33.333	0.000	75.000
LNBSIZE	2.174	2.197	1.386	2.890
LAGLOSS	0.178	0.000	0.000	1.000
GROWTH	0.142	0.072	-0.643	3.086
CAPINT	0.527	0.529	0.045	0.959
FSIZE	22.548	22.050	17.567	31.580
LEV	0.476	0.469	0.044	0.915

4. Results and discussion

4.1. Descriptive statistics

Based on the results of the sample selection, the observations obtained in this study totaled 1024 observations. We present a table regarding the criteria for selecting the research sample in [table 2](#). [Table 3](#) shows the distribution of the sample by industry and year of observation. When viewed based on industrial sector, the highest number of observations was in the SIC2 section with 185 observations, followed by SIC4 with 200 observations, and SIC1 with 184 observations. This shows that the research sample is dominated by companies in the construction, transportation, communication, and utility industries, followed by agriculture, forestry, and fisheries. Furthermore, when viewed based on the year of observation, the highest number of observations was in 2018 at 166 observations, while the fewest observations were made in 2011 and 2011, totaling 50 observations.

[Table 4](#) presents the information on the descriptive statistical results of the research variables for the 2011–2019 observation period.

Table 5. Pearson correlation							
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
[1] ROA	1.000						
[2] ROE	0.861***	1.000					
[3] ROAEBIT	0.977***	0.839***	1.000				
[4] ROEEBIT	0.856***	0.972***	0.875***	1.000			
[5] TOBINSQ	-0.237***	-0.126***	-0.226***	-0.096***	1.000		
[6] DPS	0.128***	0.113***	0.137***	0.128***	0.097***	1.000	
[7] RNC	0.105***	0.072**	0.122***	0.097***	0.100***	0.162***	1.000
[8] INDCOM	-0.115***	-0.099***	-0.127***	-0.122***	-0.017	0.007	-0.167***
[9] LNBSIZE	0.220**	0.227***	0.220**	0.231***	0.168***	0.163***	0.300***
[10] LAGLOSS	-0.446***	-0.439***	-0.439***	-0.435***	0.059*	-0.087***	-0.061*
[11] GROWTH	0.063**	0.077**	0.055*	0.076**	0.051	0.011	-0.064**
[12] CAPINT	-0.236***	-0.184***	-0.254***	-0.211***	0.009	0.007	0.161***
[13] FSIZE	0.091***	0.089***	0.083***	0.084***	0.130***	0.061**	0.487***
[14] LEV	-0.242***	-0.131***	-0.230***	-0.100***	1.000***	0.096***	0.100***
	[8]	[9]	[10]	[11]	[12]	[13]	[14]
[8] INDCOM	1.000						
[9] LNBSIZE	0.073**	1.000					
[10] LAGLOSS	0.083***	-0.181***	1.000				
[11] GROWTH	0.060*	-0.038	0.028	1.000			
[12] CAPINT	0.112***	0.025	0.207***	0.039	1.000		
[13] FSIZE	-0.471***	0.321***	-0.101***	-0.055*	0.132***	1.000	
[14] LEV	-0.016	0.167***	0.057*	0.050	0.008	0.130***	1.000

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

Table 5 shows the results of the Pearson correlation test. The results show there to be a relationship between the DPS variables and ROA, ROE, ROAEBIT, ROEEBIT, and TOBINSQ. The relationship between the variables RNC and ROA, ROE, ROAEBIT, ROEEBIT, and TOBINSQ was found to be significantly positive. This shows that companies that have RNC have a better level of performance. On the other hand, the relationship between INDCOM and ROA, ROE, ROAEBIT, ROEEBIT, and TOBINSQ showed significant negative results. This table shows that even when the proportion of independent commissioners in the company is greater, the company's performance does not get better.

Table 6 shows the independent t-test conducted on the group of companies that have RNC and companies that do not have RNC. The results show that DPS is significantly different for companies with RNC and companies that do not have RNC. Companies with RNC have a higher level of performance than companies without RNC.

Table 6. Independent T-Test

	With RNC	Without RNC	Coef	t-value
ROA	3.626	5.585	-1.959***	-3.380
ROE	5.651	9.172	-3.520**	-2.305
ROAEBIT	5.243	8.172	-2.930***	-3.944
ROEEBIT	8.639	14.468	-5.830***	-3.104
TOBINSQ	0.459	0.502	-0.043***	-3.211
DPS	0.725	0.776	-0.050***	-5.232
INDCOM	35.219	29.281	5.938***	5.413
LNBSIZE	2.084	2.294	-0.210***	-10.069
LAGLOSS	0.198	0.151	0.047*	1.959
GROWTH	0.166	0.109	0.058**	2.050
CAPINT	0.494	0.573	-0.079***	-5.230
FSIZE	21.388	24.100	-2.712***	-17.842
LEV	0.457	0.500	-0.043***	-3.205

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

5.2. Main result

The analysis results in Table 7 show there to be a positive relationship between DPS and firm financial performance as measured using ROA, ROE, ROAEBIT and ROEEBIT. The positive relationship between DPS and ROA has a coefficient value of 3,735 and it is significant at the 1% level. The positive relationship between DPS and ROE has a coefficient value of 7.262 and it is significant at the 10% level. DPS is also significantly positively related to ROAEBIT and ROEEBIT with coefficients of 5,304 and 10,988, and they are significant at 1% and 5%. Finally, the positive relationship between DPS and TOBINSQ does not show as having a significant relationship.

These results support agency theory where compensation policies encourage the executives to act on behalf of their shareholders to provide the best managerial performance (Murphy, 1986). These results are also in accordance with the previous research conducted by Hu et al. (2013), which found that CPS was positively related to firm financial performance. High CPS is also intended to increase the company results (Edmans & Gabaix, 2011). Based on this evidence, it is shown that DPS can also facilitate good performance in the company. These results are also supported by evidence regarding overall compensation, which also finds that executive compensation has a positive correlation with firm financial performance (Aggarwal & Ghosh, 2015; Aslam et al., 2019; Harymawan et al., 2020).

Table 7 also shows there to be a significant positive relationship between RNC and firm financial performance as measured using ROA with a significance level of 5%, ROAEBIT with a significance level of 1%, and ROEEBIT with a significance level of 5%. However, this relationship was not found in the performance measurement using ROE and TOBINSQ.

These results support the findings of Cybinski and Windsor (2013) which states that the remuneration committee can align the CEOs remuneration with firm financial performance. The remuneration committee will align the agent's incentives with the principal goal. The existence of the remuneration committee is able to design the remuneration in such a way as to motivate the board of directors and executives to produce the best decisions. This can have an impact on the firm financial performance (Ahmed, 2010; Chizema et al., 2014). The remuneration committee

Table 7. Baseline regression results of DPS on performance

	(1)	(2)	(3)	(4)	(5)
	ROA _t	ROE _t	ROAEBIT _t	ROEEBIT _t	TOBINSQ _t
DPS	3.735** (2.34)	7.262* (1.68)	5.304*** (2.66)	10.988** (2.11)	0.053 (1.29)
RNC	1.404** (2.27)	1.940 (1.07)	2.394*** (2.98)	4.298** (1.96)	-0.008 (-0.49)
INDCOM	-0.092*** (-3.29)	-0.237*** (-2.77)	-0.131*** (-3.62)	-0.344*** (-3.10)	-0.002*** (-3.14)
LNBSIZE	3.174*** (3.21)	8.064*** (3.34)	4.229*** (3.43)	10.180*** (3.51)	0.056** (2.09)
LAGLOSS	-7.113*** (-10.24)	-20.238*** (-8.72)	-8.759*** (-10.49)	-23.899*** (-9.19)	0.074*** (3.30)
GROWTH	2.067*** (2.93)	5.729*** (3.51)	2.457*** (3.00)	6.875*** (3.95)	0.036* (1.76)
CAPINT	-8.282*** (-6.76)	-14.919*** (-4.62)	-12.178*** (-8.01)	-22.633*** (-6.00)	-0.054 (-1.63)
FSIZE	0.866*** (3.88)	2.240*** (4.53)	1.020*** (3.68)	2.455*** (4.28)	0.024*** (3.58)
LEV	-13.758*** (-11.03)	-22.413*** (-5.60)	-17.236*** (-11.33)	-23.246*** (-5.25)	0.031*** (6.05)
_cons	-10.467** (-2.34)	-35.173*** (-3.22)	-10.213* (-1.79)	-34.168*** (-2.63)	-0.137 (-0.93)
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.387	0.322	0.397	0.328	0.205
F-value	21.78	11.99	22.43	13.63	8.50
R squared	0.3876	0.3235	0.3974	0.3276	0.2048
N	1024	1024	1024	1024	1024

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

oversees and advises the executive management on compensation decisions that ultimately lead to better performance (Agyemang-Mintah, 2016; Ahmed, 2010).

The direction of the relationship of the control variables in Table 7 shows the same results as the results in Table 6. The control variables consisting of LNBSIZE, GROWTH and FSIZE have a significant positive relationship with the company's performance according to the 5 measurements. On the other hand, INDCOM and CAPINT are significantly negatively related to all measures of firm financial performance. LAGLOSS and LEV were significantly negatively related to ROA, ROE, ROAEBIT and ROEEBIT but were significantly positively related to TOBINSQ.

Based on the results presented in Table 8, there is a positive relationship between DPS and firm financial performance in the future but only for the measurements using ROE and TOBINSQ. The positive relationship between DPS and ROE has a coefficient value of 11,927 and is significant at the 1% level. The positive relationship between DPS and TOBINSQ has a coefficient value of 0.085

Table 8. Regression results of DPS on lead performance

	(1)	(2)	(3)	(4)	(5)
	ROA _{t+1}	ROE _{t+1}	ROAEBIT _{t+1}	ROEEBIT _{t+1}	TOBINSQ _{t+1}
DPS	2.640 (1.37)	11.927*** (3.26)	3.460 (1.52)	8.486 (1.57)	0.085* (1.81)
RNC	1.555** (2.34)	1.464 (0.96)	2.756*** (3.29)	5.871*** (2.81)	-0.010 (-0.64)
INDCOM	-0.080*** (-2.65)	-0.249*** (-3.10)	-0.118*** (-3.05)	-0.310*** (-3.10)	-0.002*** (-2.80)
LNBSIZE	1.971* (1.80)	5.321** (2.44)	2.248* (1.66)	3.031 (0.99)	0.085*** (2.96)
LAGLOSS	-5.622*** (-7.10)	-26.513*** (-15.45)	-6.695*** (-7.20)	-16.581*** (-6.71)	0.050** (2.13)
GROWTH	2.026*** (2.98)	0.372 (0.17)	2.002*** (2.70)	3.805*** (2.63)	0.026 (1.38)
CAPINT	-7.195*** (-4.86)	-6.848** (-2.35)	-10.934*** (-6.04)	-20.493*** (-5.10)	-0.053 (-1.57)
FSIZE	0.789*** (3.08)	1.580*** (3.37)	1.030*** (3.25)	2.434*** (3.34)	0.020*** (2.79)
LEV	-9.703*** (-6.88)	-7.048** (-2.18)	-12.239*** (-7.20)	-11.355*** (-2.62)	0.029*** (5.27)
_cons	-5.655 (-1.07)	-26.934*** (-2.76)	-4.694 (-0.73)	-11.261 (-0.64)	0.017 (0.12)
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r ²	0.257	0.369	0.276	0.223	0.190
F-value	0.81	1.10	1.01	1.17	0.92
R squared	0.0194	0.0303	0.0232	0.0279	0.0198
N	940	940	940	940	940

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

and is significant at the 1% level. DPS was not found to have a significant positive relationship with ROA, ROAEBIT, and ROEEBIT. Through ordinary least square regression, the analysis shows that DPS has a positive and significant relationship with firm financial performance for all firm financial performance measurements in the future. This means that the higher the DPS given, the higher that the company's performance in the future will be.

Table 8 also shows there to be a significant positive relationship between RNC and future firm financial performance as measured by ROA with a significance level of 5%, ROAEBIT with a significance level of 1%, and ROEEBIT with a significance level of 1%. However, this relationship was not found in the performance measurement using ROE and TOBINSQ.

There were different results found when measuring the firm financial performance using both accounting-based (ROA and ROE) and marketing-based (Tobin's Q) methods for now and in the future. In the previous results, it is known that DPS is not significantly related to the company's

Table 9. Coarsened exact matching

	(1)	(2)	(3)	(4)	(5)
	ROA	ROE	ROAEBIT	ROEEBIT	TOBINSQ
DPS	3.411**	7.175*	4.752**	10.888**	0.066
	(2.17)	(1.70)	(2.42)	(2.09)	(1.58)
RNC	1.595***	2.587	2.725***	4.609**	-0.010
	(2.62)	(1.42)	(3.43)	(2.08)	(-0.61)
INDCOM	-0.101***	-0.247***	-0.138***	-0.362***	-0.002***
	(-3.52)	(-2.81)	(-3.71)	(-3.20)	(-3.08)
LNBSIZE	2.924***	7.347***	3.824***	10.216***	0.058**
	(3.02)	(3.07)	(3.17)	(3.48)	(2.11)
LAGLOSS	-7.592***	-22.094***	-9.198***	-26.289***	0.073***
	(-11.35)	(-9.26)	(-11.90)	(-9.82)	(3.16)
GROWTH	3.180***	7.969***	3.697***	7.095***	0.027
	(3.29)	(3.74)	(3.52)	(2.90)	(1.02)
CAPINT	-7.871***	-13.793***	-11.947***	-21.785***	-0.045
	(-6.13)	(-4.11)	(-7.48)	(-5.64)	(-1.35)
FSIZE	0.774***	1.977***	0.949***	2.475***	0.024***
	(3.42)	(3.99)	(3.36)	(4.22)	(3.43)
LEV	-13.693***	-20.909***	-17.417***	-23.604***	0.033***
	(-10.95)	(-5.28)	(-11.47)	(-5.24)	(5.94)
_cons	-7.195*	-26.883**	-6.526	-32.094**	-0.147
	(-1.72)	(-2.48)	(-1.21)	(-2.42)	(-0.99)
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.411	0.340	0.420	0.344	0.210
N	981	981	978	982	996

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

current performance as measured using TOBINSQ but it does have a significant positive relationship with future firm financial performance as measured by TOBINSQ. This proves that accounting-based performance is different from the results of the studies that depend on market measurements due to the lack of data received by investors (Hamdan, 2018).

5.3. Robustness analysis

To ensure the hypothesis testing results in our model, we also tested using Coarsened Exact Matching as presented in Table 9. The results of the analysis in Table 9 show consistent results with the results in Table 7.

5.4. Additional analysis

The results in Table 10 have been used to answer Hypothesis 2. Based on the results presented in Table 10, it is known that a higher DPS level is associated with the higher performance in companies that already have a remuneration committee. These results were obtained by examining the company's current performance using ROA with a coefficient of 7,434 that was significant at the 5% level, ROE with a coefficient of 31,669 that was significant at the 1% level, ROAEBIT with a coefficient of 9,421 that was significant at the 5% level, and ROEEBIT with a coefficient of 38,973

Table 10. Regression result on the interaction of DPS and RNC to firm financial performance

	(1)	(2)	(3)	(4)	(5)
	ROA	ROE	ROAEBIT	ROEEBIT	TOBINSQ
DPS*RNC	7.434** (2.13)	31.669*** (3.15)	9.421** (2.13)	38.973*** (3.13)	0.014 (0.18)
DPS	0.745 (0.37)	-5.475 (-1.22)	1.515 (0.62)	-4.687 (-0.88)	0.047 (0.89)
RNC	-4.253 (-1.61)	-22.160*** (-2.98)	-4.775 (-1.44)	-25.359*** (-2.79)	-0.019 (-0.30)
INDCOM	-0.091*** (-3.32)	-0.232*** (-2.79)	-0.129*** (-3.64)	-0.338*** (-3.13)	-0.002*** (-3.13)
LNBSIZE	3.051*** (3.11)	7.537*** (3.19)	4.072*** (3.33)	9.532*** (3.38)	0.056** (2.08)
LAGLOSS	-7.134*** (-10.20)	-20.328*** (-8.72)	-8.786*** (-10.44)	-24.010*** (-9.18)	0.074*** (3.29)
GROWTH	2.119*** (3.07)	5.953*** (3.77)	2.523*** (3.15)	7.150*** (4.22)	0.036* (1.77)
CAPINT	-8.335*** (-6.88)	-15.147*** (-4.75)	-12.245*** (-8.14)	-22.912*** (-6.17)	-0.054 (-1.63)
FSIZE	0.889*** (4.01)	2.339*** (4.73)	1.049*** (3.82)	2.576*** (4.50)	0.024*** (3.59)
LEV	-13.757*** (-11.06)	-22.408*** (-5.64)	-17.234*** (-11.36)	-23.240*** (-5.30)	0.031*** (6.04)
_cons	-8.850** (-2.01)	-28.286*** (-2.69)	-8.164 (-1.45)	-25.692** (-2.07)	-0.134 (-0.90)
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.391	0.332	0.401	0.337	0.205
F-value	20.88	11.70	21.47	13.30	8.14
R squared	0.3916	0.3332	0.4013	0.3375	0.2049
N	1024	1024	1024	1024	1024

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

that was significant at the 1% level. However, this relationship was not found in the company's performance measurement using TOBINSQ.

The results of this study indicate that companies with a high DPS and RNC will have a higher current firm financial performance using the ROA, ROE, ROAEBIT, and ROEEBIT measurements but not for the TOBINSQ measurement. These results also support the findings of Harymawan et al. (2020) and Chou and Buchdadi (2018) who found that companies that have nomination and remuneration committees make more effective remuneration packages that leads to a higher level of firm financial performance.

The results in Table 11 were used to answer Hypothesis 2. Based on the results presented in Table 11, it is known that a higher DPS level is associated with a higher future performance in companies that already have a remuneration committee. These results were obtained using the

Table 11. Regression result on the interaction of DPS and RNC to future firm financial performance

	(1)	(2)	(3)	(4)	(5)
	ROA _{t+1}	ROE _{t+1}	ROAEBIT _{t+1}	ROEEBIT _{t+1}	TOBINSQ _{t+1}
DPS*RNC	7.912*	26.518***	10.573**	34.731***	0.032
	(1.83)	(2.82)	(2.04)	(2.70)	(0.33)
DPS	-0.165	2.522	-0.289	-3.832	0.073
	(-0.07)	(0.67)	(-0.11)	(-0.66)	(1.30)
RNC	-4.511	-18.867***	-5.350	-20.757**	-0.035
	(-1.36)	(-2.77)	(-1.36)	(-2.17)	(-0.46)
INDCOM	-0.078***	-0.244***	-0.116***	-0.304***	-0.002***
	(-2.64)	(-3.15)	(-3.05)	(-3.12)	(-2.78)
LNBSIZE	1.871*	4.988**	2.115	2.595	0.085***
	(1.73)	(2.34)	(1.58)	(0.87)	(2.95)
LAGLOSS	-5.651***	-26.611***	-6.734***	-16.710***	0.050**
	(-7.11)	(-15.46)	(-7.20)	(-6.72)	(2.12)
GROWTH	2.053***	0.464	2.039***	3.925***	0.026
	(3.06)	(0.22)	(2.80)	(2.77)	(1.39)
CAPINT	-7.244***	-7.012**	-10.999***	-20.707***	-0.053
	(-4.92)	(-2.43)	(-6.12)	(-5.20)	(-1.58)
FSIZE	0.815***	1.666***	1.064***	2.546***	0.020***
	(3.19)	(3.54)	(3.38)	(3.50)	(2.81)
LEV	-9.700***	-7.039**	-12.235***	-11.343***	0.029***
	(-6.92)	(-2.20)	(-7.24)	(-2.64)	(5.26)
_cons	-3.730	-20.482**	-2.122	-2.811	0.025
	(-0.72)	(-2.22)	(-0.34)	(-0.17)	(0.18)
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.260	0.376	0.280	0.230	0.190
F-value	0.79	1.12	1.00	1.14	1.00
R squared	0.0199	0.0310	0.0243	0.0289	0.0223
N	940	940	940	940	940

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

company's performance in the future using ROA with a coefficient of 7,912 that was significant at the level of 10%, ROE with a coefficient of 26,518 that was significant at the 1% level, ROAEBIT with a coefficient of 10,573 that was significant at the 5% level, and ROEEBIT with a coefficient of 34,731 that was significant at the 1% level. However, this relationship was not found when measuring the company's performance in the future using TOBINSQ.

The same results also show that companies with a high DPS and RNC will have a higher level of firm financial performance in the future using the ROA, ROE, ROAEBIT, and ROEEBIT measurements but not for TOBINSQ. Based on these results, H2B is accepted. From these results, it can be seen that there are no differences in the results found when measuring firm financial performance using either accounting-based (ROA and ROE) and marketing based (Tobin's Q) methods for both now and in the future.

Table 12. Sample distribution by RNC

SIC	Without RNC	With RNC	Total
2011	38	12	50
2012	91	26	117
2013	92	37	129
2014	86	25	111
2015	66	48	114
2016	62	51	113
2017	53	57	110
2018	82	84	166
2019	16	94	114
Total	586	438	1024

This study performed an additional analysis to determine whether there are differences in the results caused by the period of the company's obligation to have a nomination and remuneration function. Table 12 shows that the overall number of companies that have RNCs has increased. The number of companies with the least RNCs was found in 2011 totaling 12 companies and the most was in 2019 totaling 94 companies. However, when viewed in total, the number of companies that do not have RNC is still more than the companies that have RNC.

Based on the results presented in Table 13 Panel A for the 2010–2014 sub-sample, it is known that there is a positive relationship between DPS and current firm financial performance but only for measurements using ROA, ROEBIT, and TOBINSQ. The positive relationship between DPS and ROA has a coefficient value of 4,997 and it is significant at the 10% level. The positive relationship between DPS and ROAEBIT has a coefficient value of 6.990 and is significant at the 10% level. The positive relationship between DPS and TOBINSQ has a coefficient value of 0.135 and is significant at the 5% level. DPS was not found to have a significant positive relationship with ROE and ROEBIT. No significant relationship was found between RNC and current firm financial performance for all of the measurements used.

The results presented in Table 13 Panel B for the 2015–2019 sub-sample show there to be a positive relationship between DPS and current firm financial performance but only for the measurements using ROA and ROEBIT. The positive relationship between DPS and ROA has a coefficient value of 3,372 and is significant at the 10% level. The positive relationship between DPS and ROEBIT has a coefficient value of 4,924 and is significant at the 10% level. DPS was not found to have a significant relationship with ROE, ROAEBIT, and TOBINSQ. Furthermore, RNC was also found to be significantly positively correlated with firm financial performance as measured by ROA, ROAEBIT, and ROEBIT in Table 13 Panel B.

Based on the results presented in Table 14 Panel A, it is known that a higher DPS level is associated with a higher current performance in companies that already have a remuneration committee. These results are obtained based on the company's current performance using ROA with a coefficient of 20,926 that is significant at the 5% level, ROE with a coefficient of 46,334 that is significant at the 10% level, and ROAEBIT with a coefficient of 26,588 that is significant at the 5% level. However, this relationship was not found in the company's performance measurements using ROEBIT and TOBINSQ.

Table 13. Regression result on the DPS to firm financial performance based on sub-sample years obligation of existence of RNC function

Panel A. Sub Sample 2010–2014

	(1)	(2)	(3)	(4)	(5)
	ROA	ROE	ROAEBIT	ROEEBIT	TOBINSQ
DPS	4.997*	7.804	6.990*	11.200	0.135**
	(1.76)	(1.32)	(1.96)	(1.46)	(2.09)
RNC	0.783	1.719	1.930	3.223	-0.003
	(0.66)	(0.57)	(1.21)	(0.77)	(-0.12)
_cons	-20.186**	-41.284**	-21.294**	-38.239	-0.361*
	(-2.46)	(-2.25)	(-1.98)	(-1.55)	(-1.79)
Control Variables	Included	Included	Included	Included	Included
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.386	0.302	0.388	0.295	0.258
F-value	11.92	7.77	11.48	7.00	7.32
R squared	0.3863	0.3018	0.3881	0.2952	0.2575
N	407	407	407	407	407

Panel B. Sub Sample 2015–2019

	(1)	(2)	(3)	(4)	(5)
	ROA	ROE	ROAEBIT	ROEEBIT	TOBINSQ
DPS	3.372*	7.598	4.924**	10.867	0.001
	(1.83)	(1.37)	(2.08)	(1.61)	(0.02)
RNC	1.781***	2.707	2.736***	5.331**	-0.009
	(2.61)	(1.28)	(3.09)	(2.13)	(-0.47)
_cons	-7.295	-36.899***	-7.560	-37.169**	-0.136
	(-1.51)	(-2.96)	(-1.24)	(-2.57)	(-0.82)
Control Variables	Included	Included	Included	Included	Included
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.397	0.330	0.403	0.331	0.195
F-value	17.49	9.65	18.58	10.84	6.57
R squared	0.3970	0.3298	0.4029	0.3314	0.1953
N	617	617	617	617	617

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

Based on the results presented in Table 14 Panel B, it is known that a higher DPS level is associated with a higher level of performance in companies that already have a remuneration committee. The results were obtained using the company's current performance using ROE with a coefficient of 36,640 that is significant at the 1% level, and ROEEBIT with a coefficient of 46,328 that is significant at the 1% level. However, this relationship was not found in the company's performance measurement using ROA, ROAEBIT, and TOBINSQ.

Table 14. Regression result on the interaction of DPS and RNC to firm financial performance based on sub-sample years obligation of existence of RNC function

Panel A. Sub Sample 2010–2014

	(1)	(2)	(3)	(4)	(5)
	ROA	ROE	ROAEBIT	ROEEBIT	TOBINSQ
DPS*RNC	20.926**	46.334*	26.588**	56.546	0.170
	(2.21)	(1.75)	(2.16)	(1.57)	(1.24)
DPS	1.393	-0.176	2.411	1.461	0.105
	(0.45)	(-0.03)	(0.63)	(0.20)	(1.43)
RNC	-16.042**	-35.536*	-19.449**	-42.243	-0.139
	(-2.20)	(-1.82)	(-2.07)	(-1.61)	(-1.22)
_cons	-17.590**	-35.535**	-17.995*	-31.223	-0.339*
	(-2.28)	(-2.16)	(-1.77)	(-1.43)	(-1.67)
Control Variables	Included	Included	Included	Included	Included
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.401	0.317	0.402	0.307	0.259
F-value	10.67	7.27	10.32	6.60	7.27
R squared	0.4013	0.3167	0.4024	0.3070	0.2595
N	407	407	407	407	407

Panel B. Sub Sample 2015–2019

	(1)	(2)	(3)	(4)	(5)
	ROA	ROE	ROAEBIT	ROEEBIT	TOBINSQ
DPS*RNC	5.848	36.640***	7.225	46.328***	0.053
	(1.58)	(3.38)	(1.51)	(3.44)	(0.50)
DPS	0.246	-11.988*	1.061	-13.898*	-0.027
	(0.10)	(-1.75)	(0.34)	(-1.70)	(-0.35)
RNC	-2.546	-24.405***	-2.610	-28.950***	-0.048
	(-0.92)	(-3.01)	(-0.74)	(-2.89)	(-0.61)
_cons	-5.421	-25.159**	-5.245	-22.325	-0.119
	(-1.10)	(-2.00)	(-0.85)	(-1.51)	(-0.70)
Control Variables	Included	Included	Included	Included	Included
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.399	0.342	0.405	0.345	0.196
F-value	16.94	9.49	17.90	10.66	6.24
R squared	0.3994	0.3424	0.4052	0.3448	0.1956
N	617	617	617	617	617

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

This study also undertook an additional analysis in the form of change analysis to ensure that the company's performance in year $t + 1$ was not affected by changes in the DPS and changes in the existence of the remuneration committee. Based on the results presented in Table 15, it is known that the changes in DPS are not significantly related to all of the firm financial performance

Table 15. Regression result on the DPS and RNC to firm financial performance based on change analysis

	(1)	(2)	(3)	(4)	(5)
	Δ ROA	Δ ROE	Δ ROAEBIT	Δ ROEEBIT	Δ TOBINSQ
Δ DPS	-0.509 (-0.45)	-0.762 (-0.72)	-1.030 (-0.27)	-1.319 (-0.58)	-0.064 (-0.47)
Δ RNC	1.898 (1.21)	1.152 (0.83)	-3.501 (-0.68)	-2.723 (-0.82)	0.155 (1.27)
Δ INDCOM	-0.010 (-0.41)	-0.006 (-0.25)	0.190 (1.00)	0.114 (1.00)	0.003* (1.77)
Δ LNBSIZE	6.893 (1.07)	7.592 (1.31)	-1.582 (-0.14)	7.159 (0.64)	0.326 (0.87)
LAGLOSS	-3.625*** (-2.78)	-4.775*** (-3.05)	11.987 (0.83)	3.998 (0.46)	0.370* (1.73)
Δ GROWTH	-0.000 (-0.00)	-0.000 (-0.28)	-0.002 (-0.73)	-0.002 (-1.12)	-0.000 (-1.22)
Δ CAPINT	-0.447* (-1.82)	-0.479* (-1.87)	-1.711 (-1.18)	-1.086 (-1.26)	0.002 (0.05)
Δ FSIZE	-9.162 (-1.08)	-6.063 (-0.74)	21.579 (0.72)	9.361 (0.50)	0.679 (1.01)
Δ LEV	-0.373 (-1.43)	-0.335 (-1.15)	-1.219 (-0.97)	-0.735 (-0.92)	0.046 (1.47)
_cons	-3.294 (-1.05)	-3.672 (-1.29)	-1.385 (-0.15)	-2.657 (-0.45)	0.426 (0.70)
Industry	Included	Included	Included	Included	Included
Year	Included	Included	Included	Included	Included
r2	0.080	0.074	0.053	0.050	0.129
F-value	1.59	1.75	0.49	401	2.58
R squared	0.0797	0.0743	0.0530	0.0504	0.1293
N	401	401	401	401	401

t statistics in parentheses
 * $p < 0.1$, ** $p < 0.05$, *** $p < 0.01$

measurements. This provides additional evidence that the increase in firm financial performance is not due to an increase in DPS.

5. Conclusion

This study aimed to analyze the relationship between DPS and firm financial performance in companies listed on the Indonesian Stock Exchange for the 2010–2019 period. Based on the results of the analysis and discussion described in the previous chapter, there are several conclusions that can be drawn. First, the higher the DPS given, the higher the company's current performance. This result is in line with previous research, which found a positive relationship between CPS and firm financial performance (Hu et al., 2013). This finding also supports the Optimal contracting theory, which suggests that managerial compensation is a tool that encourages managers to act in the best interests of shareholders, thereby reducing agency problems (Grossman & Hart, 1983; Holmstrom, 1979). In addition, a high DPS is also a driver of the company's performance in the future. Second, the existence of RNC is also a driver of better firm financial performance both now and in the future. This finding supports the finding that the

remuneration committee can align the CEO's remuneration with the company's financial performance (Cybinski & Windsor, 2013).

Companies that have a high DPS and a RNC have a better current firm financial performance. Furthermore, companies that have a high DPS and a RNC have a better future firm financial performance. However, these results do not show there to be any differences in the results found when measuring firm financial performance using accounting-based (ROA, ROE, ROAEBIT, and ROEEBIT) and marketing-based (Tobin's Q) methods both for the now and in the future.

The results of this study provide several contributions both theoretically and practically. For policymakers, it is advisable that when auditing, it is necessary to enforce a mandatory remuneration committee for all companies listed on the Indonesian Stock Exchange. Shareholders must remain careful when determining the compensation package given to the company's board. This is because the information held by the shareholders may be different from the actual condition of the company. Further research can conduct research using different firm financial performance measurements. Second, further research can examine the relationship between DPS and long-term firm financial performance.

The limitation in this study is that the executive compensation data is still limited because there are no mandatory regulations about remuneration disclosure. As for the limitations, the researcher suggests that several things that can be done in future research to improve the quality of said research. The first is to use other data centers to complement the data on the Indonesian public companies. The second is to use data access related to other executive compensation to find out the level of executive compensation in public companies in Indonesia.

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Appendix

Skewness and kurtosis tests for normality					
Variable	Obs	Pr(skewness)	Pr(kurtosis)	Joint test	
				Adj chi2(2)	Prob>chi2
residu	1,020	0.0000	0.0000	284.37	0.0000



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