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Government Learning and Midle Level Performance in the Public Sector Organizations

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ABSTRACT

Objective: This study aims to examine the effect of government learning (GL), budget goal (BG) and job satisfaction (JS) on mid-level performance (MP). Budget goal (BG) and job satisfaction (JS) as mediating variables of the relationship between GL and MP in public sector organizations.

Method: The 42 public agencies in West Java, Indonesia, 126 middle-level managers were randomly selected as participants, namely budgeting, finance and accounting committee divisions. On the 88 questionnaires (70%) were returned. Those 78 questionnaires were fully completed for the final data and to test the hypotheses.

Results: The results showed that GL has a direct and positive effect on BG and JS. GL and BG have a direct and positive effect on MP. GL and BG have an indirect and positive effect on MP. A surprising result has been proof in this study, the BG and JS are mediating variables relationship between GL and MP in public institutions.

Conclusions and implications: The government's learning will be a key factor improving BG and JS, while middle-level managers participate in the preparation of the budgeting process and their objectives. That as collaboration, interpreting, integrating and institutionalizing in the public services. Theoretical implications and mid-level implications are discussed.

Keywords: Government learning capability, budget goal, job satisfaction, midle level performance, and public sector organizations.

1. INTRODUCTION

Competitiveness advantages their organizations to obtain new innovation when responding to new economic conditions to gain more intensive influence in both the private and public sectors (Cinar and Eren, 2015). The new innovation is one form of government learning capability. It is a major discussion in the management literature and refers to government changes in knowledge, information transfer with the organization and subordinate levels to adopt new innovation models when responding to competition in the global economy. The intellectual ability of employees is one of the strategies and gaining competitiveness with employee knowledge accelerates the organization by learning and increasing effectiveness (Cinar and Eren, 2015; Chiva and Alegre, 2009; and Easterby and Lyles, 2003). Government learning is a modern management tool proposed to gain competitive advantage and government success (Wolford, et al., 1992; Saadat and Saadat, 2016). Its employees' knowledge and skills as well as developing organizational learning flexibility to promote their organization's main objectives.

The interaction between government learning, government culture and employee learning to adopt information sharing will be improve performance and outcomes, while rapid response by new technology and economic changes as organizations face and require employee learning to evolve (Egan, et al., 2004). Thus, knowledge is an important key factor and increasingly being a human skill for productivity, it is also increasingly important for organizational success. The interactive use of budgets with performance measurement systems is a reflection to improve individual performance and outcomes (Dahlan, et al., 2019).

Increasingly transformed and considered a critical issue in organizational effectiveness and potential to innovate and grow (Chiva and Alegre, 2009). Some reasons for this context are the rapidly changing environment, the need for innovation and relevant skills of employees for organizations due learning as the key success in economic

eISSN: 2589-7799

2023 August; 6 (9s): 1046-1057

globalization. The readiness of individuals and groups to face challenges can be reduced through a process of critical self-reflexivity and identity-focused dialog, which promotes an attitude of wisdom. DiBell, et al. (1996) said, there are seven orientations for understanding of learning capabilities: learning and orientation, product-process focus, documentation, focus group discussion, value chain, and skill development focus.

Huber (1991) argues that the government more attention to learning because capability is one of the characteristics of employees, namely existence, breadth, complexity, and rigor. Antunes and Pinheiro (2020) encourage internal collaboration among members is an important key to transforming individual knowledge into collective knowledge. Improvisational activities in order involve innovation and skill go beyond. Organizations should engage their objective to enhance the individual capacity and government knowledge, who are involved of strategic management. Government learning are increasingly being to combine multiple knowledge.

Supervisors a key factor of social support sources, their knowledge increases and interactions in various situations (Kim, et al., 2017) simultaneously, their subordinates can direct actors on the surface to deal with challenging situations and improve their performance. Forrester and Adams (1997) and Forrester and Spindler (2001) argue that important reasons of skill development for organizations is improving budget reform. High manager skills and experience have been effect on budget reform and budget commitment. In addition, Dahlan, et al. (2020) found where job challenges were related to the performance of strategic business units, job challenges were more intention to budget objectives in the organization. The use of interactive performance measurement systems, self-profiling and job challenges to budget targets have improved individual performance (Dahlan, et al., 2019). According to the government, learning ability and intensive use transfers knowledge achieved budget goals through job satisfaction.

The purpose of this study to examine the role of governmental learning and knowledge transfer will support them to achieve budget objectives, their impact on mid-level performance in public sector organizations. This study considers the following research questions: Does government learning positively influence on public sector organization? What is the effect of government learning on budget goal and their job satisfaction?

2. LITERATURE REVIEW

Concept of government's learning will be proud and we formulate in which associations of government learning, commitment to budgetary goals, job satisfaction and then increase the middle level performance under investigation.

The theory of governmental learning has been intensively used in the scientific literature that in terms of the process of transfer of learning as a key factor towards its importance as a source of competitive advantage and organizations whose management policy strategies consistently level up their subordinates to achieve performance. Ellinger, et al., 2002). Studying organization as an important factor for the survival of government (Kloot, 1997). Organizations must learn or adapt in order to survive in the short term but also produce a broader organizational basis for the long term and that process of changing the organization to suit the changing environment, and to be adaptive to the paradigmatic or generative changes of knowledge and skills practice. Then, Crossan, et al., (1999) argues that intuition, interpretation, integration and institutionalization are the keys to the success of supervisors in innovating and motivating to transfer knowledge intra-organizational levels.

The learning process as a key model for obtaining some information that needs to involve innovation and productivity activities (Cinar and Eren, 2015). The ability to learn by employees due to the role of salary to increase innovation and performance (Antunes and Pinheiro, 2020). Learning must be integrated and aggregated into systems, to be shared, adaptive environmental changes and goal commitment in governance, which has an important source in recent years in a competitive view for various organizations (Wolford, et al., 1992; Saadat and Saadat, 2016) .). The level of commitment is based on individual and group expectations to achieve their target (Wolford, et al., 1992). The budgeting process as a reflection of commitment to involved their goal (Forrester and Adams, 1997; Forrester and Spindler, 2001). The budget with the quantitative and qualitative measurement reflection the mission organizations because an effort to achieve subordinate job. Interactive budget

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2023 August; 6 (9s): 1046-1057

use is one of the movements to achieve their performance (Dahlan, 2019). The use of the budget is a management procedure for evaluating budget targets to be achieved.

The budget is government policy insight priorities to be achieved multiple targets (OECD, 2014). The whole thing due to the subordinate levels on budget goals as a reference tool for management goal. The realization of the budget item used to assess the performance of the management activities. Forrester and Adams (1997) argue that successful budget reforms will be ensured by the transfer knowledge to other parties.

Committed to budget goal has been critical in organizational contexts and embracing organizations toward increased effectiveness (Wright and Bonett, 2007; Wright, et al., 1994). The budget target will be achieved to embrace the budget goal to better their job performance. The effect of budget goals on performance to be the strongest their motivations (Wofford, et al., 1992; Ozer, et al., 2012). While also sharing information has related to employees understanding of the organizational goals and compliance with budget goals will be line up on their satisfaction (Chong and Chong, 2002; Nguyen, et al., 2019; Karakoc and Ozer, 2016).

Based on the description above, we formulate research framework to what extent to which the research questions as follows:



Fig. 1. The research framework

3. HYPOTHESIS DEVELOPMENT

Link between government learning and budget goal.

The first hypothesis the relationship between government learning and managers' commitment to budget goals. Government learning is the effectiveness of government (Saadat and Saadat, 2016). Government learning as a pathway integrates low-level perspectives and government strategy (Brown and Starkey, 2000). Transfer knowledge for creating skills and enhancing identity to promote their abilities to new situations (DiBella, et la., 1996; Kloot, 1997). Thus, the OECD (2014) says, the budget as a tool to create a future guidance that intensively used for the direction. Studied lower and middle-level participation in the budgeting process worldwide perspective in the accounting literature (Chong and Chong, 2002). Transferring information in the budgeting process intensively used by organizations throughout their success (Forrester and Adams, 1997; Forrester and Spindler, 2001). Some researchers conclude (i.g. Kloot, 1997; Forrester and Adams, 1997; Crossan, et al., 1999; Forrester and Spindler, 2001; Aponte and Zapta, 2013) organizational learning most important for budget reform.

Its meaning can be expressed sequentially budget participation in the organization. For example, when an organization setting of budget goals the management should be achieving the targets. Learning is preparing new deals with new situations can provide government success. Higher levels of manager knowledge and motivation to knowledge transfer that to higher achieving budget goals. In this regard, we summarize there is a relationship between government learning and budget goals. Thus, assumption we state hypotheses are put below:

H1: Government learning is positively effects on budget goal.

Link among government learning, job satisfaction and midle level performance.

eISSN: 2589-7799

2023 August; 6 (9s): 1046-1057

The second hypothesis is relationship between government learning, job satisfaction, and its impact on mid-level performance. The pride and quality of subordinates and the middle level in public service can increase job satisfaction and have an impact on justifiable public service performance and self-esteem (Boukaert, 2001; Sta-Maria, 2003; Husein, 2014). The added value of the interaction between government learning ability and job satisfaction is that the transfer of knowledge to employees will motivate work (Egan, et al., 2004; Babim and Boles, 1996; Khunsoonthornkit and Panjakajornsak, 2018; Chiva and Alegre, 2009). Motivation the higher the level of education there are several reasons to achieve their job targets which are proven to have a relationship between learning, satisfaction and performance (Ellinger et al., 2002; Leitch, et al., 1996; Comlek, et al., 2012).

The practice of organizational behavior and sharing of knowledge as a concept of strategic and financial performance, which increases the knowledge of personnel, and which encourages skills, middle-level participation in the characteristics of institutions with career development through work and high productivity (Chen, et al., 2004; Chen, et al., 2015; Chen, et al., 2012; Cullen, et al., 2014). Higher perceptions of job satisfaction will integrate the role within the organizational context to promote individual and manager levels where change ability governs productivity and performance. Higher levels of government learning ability, knowledge sharing and supervisor support within subordinates and teams improve performance (Kim, et al., 2017; Jimenez and Valle, 2011; Wang and Wang, 2012; Goh, et al., 2015). Mid-level support for transfer of learning to other employees will increase performance. Several researchers explained the relationship between government learning and job satisfaction, which simultaneously impacts on performance. Therefore, related hypotheses are proposed as follows:

H2: Government learning are positively effects on job satisfaction, and its impact to midle level performance.

Link among budget goal, job satisfaction and midle level performance.

The third study is the association between budget goals, satisfaction and their impact on mid-level performance. Budget participation has positively impact on mid-level performance in public sector organizations (Yahya, et al., 2008). Participation of managers in the budgeting process to gain experience management practices. Therefore, managers guide and motivate them to work (Yuliansyah, et al., 2018). Budget emphasis places managers and subordinate levels on paying to achieve budget targets. There is a relationship between budget goals and mid-level performance (Lau and Tan, 1998; Lau, et al., 1995; Kren, 1992; Winata and Mia, 2005). Commitment to budget goals have positively effect on performance (Karakoc and Ozer, 2016). Managers who involved in budget goals will increase their results. Thus, if managers participate in budget negotiations to other their team members to increase their commitment to achieve budget goals (Ozer, et al., 2012; Nguyen, et al., 2019).

Budget targets is motivation employees to achieve their satisfaction. Achievement of subordinate budget goals will increase their satisfaction. Commitment has an important meaning throughout government budget setting mechanism increasing mid-level performance and government effectiveness (Chong, et al., 2005). Chong and Chong (2002) said, budget participation to promotes subordinate levels to achieved their targets. Then, budget emphasis has a significant and positively effect on job satisfaction and manager performance (Lau and Tan, 2003; Frucot and White, 2006; Kung, et al., 2013). Participating in the budget process will influence employee to motivate and increase satisfaction, consequently increasing manager performance. We argue, that subordinate levels have a high commitment to budget goals will pay get satisfaction on the middle level's performance impact. Then, related hypotheses are proposed as follows:

H3: Budget goal are positively effects on job satisfaction, and its impact to midle level performance.

4. RESEARCH METHODE

From 42 public services in West Java, Indonesia, namely from 126 middle-level managers randomly in the budgeting, finance and accounting committee divisional order were used as participants in this study. We have prepared letters and envelopes with an address for each participant to return the questionnaire together. After two weeks, the researcher came directly to the public service if there was a response that could not be traced and

eISSN: 2589-7799

2023 August; 6 (9s): 1046-1057

followed up. As many as 88 questionnaires in December 2018 whose response rate was 70 percent or one tenth of the participants were not completed. So, 78 of them are used for hypothesis testing.

Government learning. Government learning were individuals transferring knowledge and interaction to others for the group or organizations will be the same ideas in order to developed policy (Aponte and Zapta, 2013). Thus, we adopt model by Crossan, et al. (1999) that four items are intuiting, interpreting, integrating and institutionalizing. The fours dimension which measure provided that are six-items more relevant in the government context of this research instrument and the ranges five Likert scale from 1 (strongly disagree) to 5 (strongly agree).

Budget goal. The construct variable measure of budget goal commitment was adopted from Chong and Chong (2002) following three items on each dimension, namely the extent to which it is from Wright, et al. (1994) of the cognitive, affective and behavioral dimensions. Participation in the budgeting process is an intensive increase in commitment to the goals of budget managers and subordinates to assemble (Chong and Chong, 2002). The five Likert scale ranges from 1 (strongly disagree) to 5 (strongly agree).

Job satisfaction. Job satisfaction is an added value with the level of subordinates which is the contribution of work (Fisher, 2000). The level of employees having learned some new skills, this is a motivator with collaboration and effort (Chen, et al. 2004). This instrument was developed from Riordan, et al. (1997), the indicators are the work itself, salary, promotion, supervision, co-worker relations, and ask about the level of overall satisfaction with following their current job. The five Likert scales range from 1 (very dissatisfied) to 5 (very satisfied).

Midle level performance. The performance instrument measurement in this study adopted from Mahoney, et al. (1963, 1965). Midle level performance is extent to which their job executions by the manager's and asked rate of applicable or un-applicable. The measurement consists of a single performance rating and provided eight sub-dimensions of midle level levels and one as an overall rating. The five Likert scale ranges from 1 (strongly unapplicable) to 5 (strongly applicable).

5. RESULT AND DISCUSSION

The table 1 shows that, the correlations among of the variables were all revealed that was positively correlated, that all significant at the 0.01 level. The most suitable pattern of government learning capability, budget goal commitment, job satisfaction, and midle level performance, that are intensive role in each variable throughout the positively related on midle level levels in public sector performance.

Table 1: Descriptive statistics and variables interrelationship.

Mean	Std. Dev	Range	1 2	3	4	
Government learning		23.7564	2.6145	6.836	1	
Budget goals		11.4103	1.9302	3.726	0.311** 1	
Job satisfaction	23.1538	3.2914	10.833	0.555**	0.295**	1
Midle level performa	nce 35.3846	5 4.2738	18.266	0.558**	0.415**	0.466** 1

^{**} Correlation is significant at the 0.01 level (2 – tailed)

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2023 August; 6 (9s): 1046-1057

Based on descriptions of statistic data, the summarizing in gender of male and female are 34 (45%) and 44 (55%). Educations background that is undergraduate of 27 (35%) and postgraduate of 51 (65%). Throughout by participants from the job position in budgeting committee of 30 (38%), in finance of 23 (30%) and in accounting of 25 (32%) middle-level managers. The respondent was participated in this study that is as a good representative and accountable.

The table 2 shows, the lower of loading factor is 0.541 and or above. The all variables and indicators validity that are an acceptable level of 0.424 or above (Chenhall and Lingfield-Smith, 1998) Then, Cronbach alpha coefficients measurement of internal reliability at all of 0.60 or above acceptable level (Nunnally and Bernstein, 1994).

Table 2: Validity and reliability level.

The Component	Matrix of I	Loading I	Factor and	Cronbach	s Alpha

Midle level Performance		Job Satisfaction	Government Learning	Budget Goals	
Indicator 1	0.687	0.646	0.673	0.721	
Indicator 2	0.713	0.734	0.775	0.892	
Indicator 3	0.826	0.774	0.647	0.834	
Indicator 4	0.816	0.655	0.723		
Indicator 5	0.727	0.834	0.773		
Indicator 6	0.792	0.541	0.636		
Indicator 7	0.815				
Indicator 8	0.720				
Indicator 9	0.849				
KMO-MSA	0.878	0.806	0.770	0.619	
Cronbach's Alpha	0.914	0.774	0.791	0.740	

The following findings are as follows in table 3, the results of the regression analysis. We have three paths of analysis and regression results, namely the learning capability of the government has a positive effect on commitment to targets and budget satisfaction, and the interaction has an impact on mid-level performance. Budget goal commitment and job satisfaction are also mediating variables as a relationship between government learning ability and intermediate levels in public sector organizational performance. Therefore, we conclude that as the research findings as follows.

The seven-way regression model and its results conclude that the role of government learning on budget goals and satisfaction itself, and their effect on mid-level performance, is in table 3 as follows.

Table 3: The path analyses and results¹.

able Coefficient Value SE t p-value

eISSN: 2589-7799

2023 August; 6 (9s): 1046-1057

Path 1:					
Constants	bo	5.958	1.923	3.098	0.003
Government lear	rning b1	0.229	0.080	2.851	0.006
$OL \Rightarrow BG$	$R^2 = 0.097$	Adj. $R^2 = 0.085$	F = 8.130	p < 0.000	
Path 2:					
Constants	bo	6.549	2.870	2.282	0.025
Government lea	rning b1	0.699	0.120	5.820	0.000
$OL \Rightarrow JS$	$R^2 = 0.308$	Adj. $R^2 = 0.299$	F = 33.874	p < 0.000	
Constants	bo	21.384	3.082	6.938	0.000
Job satisfaction	b1	0.605	0.132	4.587	0.000
JS => MP	$R^2 = 0.217$	Adj. $R^2 = 0.207$	F = 21.043	p < 0.000	
Constants	bo	13.707	3.718	3.687	0.000
Government lear	rning b1	0.912	0.156	5.865	0.000
OL => MP	$R^2 = 0.312$	Adj. $R^2 = 0.303$	F = 34.403	p < 0.000	
Path 3:					
Constants	bo	17.423	2.163	8.056	0.000
Budget goal	b1	0.502	0.187	2.687	0.000
$BG \Rightarrow JS$	$R^2 = 0.087$	Adj. $R^2 = 0.075$	F = 7.219	p < 0.000	
Constants	bo	21.384	3.082	6.938	0.000
Job satisfaction	b1	0.605	0.132	4.587	0.000
JS => MP	$R^2 = 0.217$	Adj. $R^2 = 0.207$	F = 21.043	p < 0.000	
Constants	bo	24.896	2.674	9.312	0.000
Budget goal	b1	0.919	0.231	3.978	0.000
$BG \Rightarrow MP$	$R^2=0.172$	Adj. $R^2 = 0.161$	F = 15.825	p < 0.000	

¹⁾ n = 78, *Significant at the 0.05 level and ** Significant at the 0.01 level (2 – tailed)

The findings show that, on track one, the government's learning capability has a direct and positive effect on commitment to budget goals (p-value 0.000). Hypothesis 1 was put forward, the government's learning ability had a positive effect on commitment to budget targets, so that h1 was supported. In the second track, the government's learning ability has a direct and positive effect on job satisfaction (p-value 0.000) and mid-level performance (p-value 0.000). Hypothesis 2 is presented, government learning ability has a positive effect on job satisfaction, and its impact on mid-level performance. This study finds, the results show government learning ability to indirectly

eISSN: 2589-7799

2023 August; 6 (9s): 1046-1057

and positively influence mid-level performance, through job satisfaction, thus, h2 is supported. Then, in the third path, commitment to budget goals has a direct and positive effect on job satisfaction (p-value 0.000) and mid-level performance (p-value 0.000). Hypothesis 3 is proposed, commitment to budget goals has a positive effect on job satisfaction, and the interaction has an effect on mid-level performance. This study finds, the results show commitment to budgetary goals indirectly and has a positive effect on mid-level performance, through job satisfaction, thus, h3 is supported. Concluding the research findings, the surprising results we expect in this study, are committed to budget goals and satisfaction itself as well as mediating variables as the relationship between the learning ability of government and intermediate levels in the performance of public sector organizations.

6. CONCLUSSION AND IMPLICATIONS

Government learning as a strong key to organizational success. In this study we found, higher quality of budget goal setting higher managers involved in the budgeting process. The higher budget setting, the greater achievement their goals. We stated here, good skill of subordinate will be good job. The link between government learning and budget objectives in the public sector the higher their job. That result consisten with the Forrester and Adams (1997), Crossan, et al. (1999), Forrester and Spindler (2001), and Aponte and Zapta (2013).

This finding is consistent with other studies, for example Ellinger, et al., 2002, Leitch, et al., 1996, Egan, et al., 2004, Wang, 2012, Chen, et al., 2015 and Cullen, et al., 2014. The findings show the role of job satisfaction as an integral link in the budget process. However, this study provides little evidence, government learning is positively related on manager performance through job satisfaction. The relationship of job satisfaction is consistent with other fields of management accounting and is also related to performance through job satisfaction, see Egan, et al., 2004, Chiva and Alegre, 2009, and Boukaert, 2001. What is intensively used is the role of job satisfaction as a mediating variable integral path in the relationship between government learning and performance. Transfer of higher motivational learning to managers will increase satisfaction itself and then affect performance.

This study seems to favor the view that budget goal setting is concerned with deficient manager role satisfaction and that increases job satisfaction and performance. In this job satisfaction study, what is linked to managers' commitment to budgetary goals is due to increased attention and less direct and indirect effects on mid-level performance, through role budgeting goals. Based on satisfaction, the relationship between budget goal commitment and manager performance is positive. While role satisfaction is a critical integral path-mediating variable, the existence of that translates into knowledge of the positive relationship between goal setting and performance has been advocated for participation in the budgeting process. That is, several reasons should be of interest to clarify why the relationship between budget goal commitment and performance diminishes from positive to negative while managers are less committed to budget goals. Hence, higher commitment to changes in budget targets to improve satisfaction and performance. This has a more important case to be involved in budget goals and that in processing budgets increases satisfaction and performance. This finding is consistent with many studies including Chong and Chong, 2002, Nguyen, et al., 2019, Kung, et al., 2003, Chen, et al., 2012, Wofford, et al., 1992, and Lau and Tan, 2003.

The mediating variable model presented earlier in this study has a dominant supply of the contingency model. Models that are less intensive to describe have parallel testing and the addition of various others. Surprising results in this study, the variables commitment to budget goals and job satisfaction are positively related between government learning and manager performance. That is the importance of the results in this study and less favored by previous studies. The results have considered the theory developed in this paper. The causal conclusions have been tested and led by our data; thus, it is an empirical analysis. Second, the role of government learning to motivate transfer manager learning, both budget goal commitment and job satisfaction have been tested, performance measurement improved. Because, while managers are committed to budget goals and continue to transfer learnings may have increased the relevance of verified performance measures. Lastly, this study is case, limition the generalizability of the results and the case may not consider other industries. Then, this research focuses on two mediating variables, and it is possible that the other variables cannot explain further in the path regression analysis between the learning ability of the government and other techniques.

eISSN: 2589-7799

2023 August; 6 (9s): 1046-1057

Managers in public sector organizations, when higher leveraging motivation to transfer learning where individuals and groups participate in the budget setting process are associated with higher levels of commitment to budget goals and public service satisfaction. Managers' skills and experience will enhance their commitment to budget targets, thus, learning government as a powerful role in organizational success. Commitment to budget goals can be an expression of energy for public service satisfaction, therefore, the transfer of learning and budgetary commitment is related between job satisfaction and performance. The results enrich the government learning literature, especially more intent for BG and JS in public sector services, then replicate some of the previous research.

The needs study in the context of public sector organizations and the implications of contingency theory are more interesting not only for future comparative studies but for doing more. This study pays more attention to the benefits of conceptual problems and considers both views. Nonetheless, the findings reveal that increased knowledge as a key role of government learning ability has been tested thus providing more improvisation to the organizational success variable as far as the relationship between commitment to budget objectives and government context.

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