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Government Internal Control System Maturity: The Role of Internal Guidance and External Control of Local Government in Indonesia

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ARTICLE INFO	ABSTRACT
Article history: received 5 May 2017 reviwed 22 Jul 2017 revised 02 Aug 2017 accepted 08 Aug 2017	This study discusses the Government Internal Control System (SPIP). The purpose of this study is to obtain empirical evidence of influence of guidance, external control, and the characteristics of Local Governments on Internal Control (SPIP) maturity of local governments in Indonesia. The samples used in this study are 188 local governments in 2014. The variables used include the dependent variable, i.e. the SPIP maturity of local government; Independent variables, i.e. guidance
Keywords: SPIP; Maturity; Accountability; Internal Control; External Control; Characteristics of Local Government	frequency, the number of internal control findings, total assets, total expenditure and the number of local government units. This study uses secondary data obtained from the Financial and Development Supervisory Agency (BPKP) and the Supreme Audit Agency (BPK). This study uses multiple regression analysis and the results show that the guidace frequency and total expenditure have a positive influence on maturity of SPIP, SPI finding has a negative influence, and the total assets and the number of units do not have significant influence on the maturity of SPIP. ©2018 JAI. All rights reserved

INTRODUCTION

Transparency and accountability in state financial management are the main goals of government financial accountability report. In the effort of improving the transparency, accounttability, and performance of this state financial management, a system capable of adequate confidence that the activities in government agencies have been performed effectively, efficiently, and reported reliably. This system is known as Government Internal Control System or *Sistem Internal control Pemerintah* (hence SPIP) which is organized at the government administrations thoroughly (Law Number 1 year 2004 concerning State Treasury).

The implementation of Government Internal Control Systeman (SPIP) in Indonesia began when Government Regulation (GR) Number 60 year 2008 was issued. This Government Regulation is a part of the reform in finance field in Indonesia aiming at improving the state financial management where prior to the issuances of three packages of state financial law, the state financial management used to use the system inherited from the Dutch collonial era (Simanjuntak, 2005).

An internal control system is built to be a tool to improve the reliability in reporting, operation effectiveness and efficiency, and compliance with the applicable laws and regulations (COSO, 2013). Coram *et al.* (2008) explain that any organization owning an internal audit function will be more capable of detecting accounting fraud.

Building an effective internal control system has been the main issue since many fraud cases are found due to the weak internal control system (Minelli *et al.*, 2009). Framework COSO (2013) suggests that a relatively internal control can give some assurance that the company performs their operation efficiently and is on the right track towards their predetermined goals, their financial management and reporting data are reliable, and promotes compliance with applicable laws and regulations.

An assessment of internal control system is highly required to figure out whether the implemented SPI has been running effectively or not. It is hard to determine the accurate quantitative measurement of internal control (Zhou *et al.*, 2016). The structure of internal control effecttiveness can explained theoretically, yet it is not that easy to measure (Agbejule and Jokipii, 2009). Clements *et al.* (2015) mention that any improvement in internal control effectiveness can be measured by the decreased number of reported internal weaknesses. Ashbaugh-Skaife *et al.* (2007) find that the improvement of internal control effectiveness is related to improved profit quality. Zhou *et al.* (2016) state that internal control can improve a company's performance. Any internal control which has moved towards its maturity stage will be more effective as compared to when it is introduced and implemented.

One method of measuring the success or, in other word, effectiveness of an internal control is maturity model. Maturity model is a systematic measurement which can describe and explain the components of a process believed to move towards better outputs and outcomes. The low maturity level implies the low success probability in achieving the goals and the higher maturity level implies higher possibility of success (IIA, 2013).

Assessment of SPIP using maturity model has been done by Financial and Development Supervisory Board or *Badan Pengawasan Keuangan dan Pembangunan* (BPKP). Until October 2016, the assessment of SPIP maturity has been done to 258 local governments. The results find that four local governments are still at maturity level 0, 136 local governments are at level 1, 109 local governments are at level 2, and nine local government are at level 3. This shows that most of the SPIP implementation maturity levels in Local Governments are at their "Initiated" and "Developing" stages.

The low SPIP maturity level indicates the low possibility of goal achievement (IIA, 2013). It is safe to say that this is consistent with the internal control findings based on the audit results of Supreme Audit Agency or *Badan Pemeriksa Keuangan* (BPK). BPK's audit results of Local Government Financial Statements or *Laporan Keuangan Pemerintah Daerah* (LKPD) in 2014 indicated that the number of findings related to SPI is till high, i.e. 6,452 findings (IHPS I and II in 2015).

BPK's audit results will be used by the government as a basis to make some necessary corrections and adjustments. The government is given a chance to respond to the findings and conclusions elaborated in the audit result report (Law Number 15 Year 2004). This way, BPK's findings related to SPI are expected to improve the effectiveness of SPIP execution in Local Governments.

Since Government Regulation Number 60 Year 2008 is issued, BPKP has been appointed as the advisor of SPIPs who are responsible for technical guidelines drafting, dissemination, education and training, SPIP guidance and counseling, and APIP competence improvement. Its appointment as the advisor is intended to strengthen and support the effectiveness of SPIP.

The SPIP guidance given by BPKP to local governments, where BPKP is actually not part of the organizational structure of any local government, can also be called as *internal audit outsource*. *Internal audit outsource* helps and cooperates with internal audit in solving several problems. For example, an organization asks an external service provider to help the management define audit risks. One reason why *internal audit outsorce* is required is because of the ineffective internal audit function. In addition, some advantages can be obtained from *internal audit outsource*, i.e. it is independent, cost-effective, flexible, and of assured quality (Carey and Subramaniam, 2006).

Such a condition gives an opportunity to develop a study which can provide some description on SPIP maturity, and how BPK's internal control findings and SPIP guidance influence it. There is only a few research on SPI maturity in Indonesia, particularly in public sector, has been conducted since assessment of SPIP maturity in Indonesia is relatively new. Since Government Regulation Number 60 year 2008 was issued, the government's focus was on the implementation of SPIP, rather than on assessing the maturity. The guideline for assessing and strategy of improving SPIP maturity has recently been used, formally, since March 2016 (Regulation of BPKP Chief Number 4 Year 2016).

Studies on the effectiveness of internal control have been done by several researchers. Xu and Gao (2015) studied the factors influencing internal control effectiveness using Corporate Governance perspective. Meanwhile, Khlif and Samaha (2016) studied the influence of audit committee activity and external auditor measurement on internal control quality. Agbejule and Jokipii (2009) studied how different strategy orientations can influence internal control effectiveness. Finally, Doyle *et al.* (2007), Zhang *et al.* (2009), and Ashbaugh-Skaife *et al.* (2007) studied how the influence of organizational characteristics on internal control was. For local context of Indonesia, Zaelani and Martani (2011) studied the influence of local government characteristics in Indonesia on internal control using internal control findings as the measurement of internal control weaknesses.

This study uses SPIP maturity as a more comprehensive measurement of internal control effectiveness than internal control findings. The SPIP maturity measurement is performed systematically so that it can describe and explain the components of internal control processes believed to move towards better outputs and outcomes. In addition, this research will also take a look at how the characteristics of local governments influences the maturity of SPIP which has been implemented. The local government characteristics used in this research consists of the amount of expenditure realization, total assets, type, and number of local administration's working units (SKPD) owned by each local government. The results of this research can contribute to, i.e. adding and strengthening, the references particularly in relation to internal control in the government, especially in regard to SPIP maturity. In addition, this research also contributes to the information used for passing government policies in their efforts of improving the local government's SPIP maturity related to those factors influencing them, so that the government as a regulator can make a more tested formula in passing policies to improve SPIP maturity in the effort of making the local financial management more transparent and accountable.

LITERATURE REVIEW AND HYPOTHESIS DEVELOPMENT

Theory of Agency in Public Sector

Agency relationship is defined as a contract where one or more persons (*principal*) hire others (*agents*) to perform some services for their sake by delegating some authorities of making decisions to these agents (Jensen and Meckling, 1976). Halim and Abdullah (2006) suggest that the principalagent theory analyzes the contractual structure between two or more individuals, groups, or organizations. One party (*principal*) makes a contract, either implicitly or explicitly, with other parties (*agents*) expecting that the agents will take some actions/do some jobs as the prinsipal wish them to (in this case authorization). Thereby, agency relationship can occur in any entity which applies contractual structure in their operations.

From the perspective of formal rules in public sector, the governmental entities are run in reference to a set of regulations specifying the duties, authorities, and responsibilities of each participant. Despite the differences in the procedure and mechanism of interparticipant relationships in a governmental organization from those in corporation sector, the very existence of formal bond shows that there is a contract in the governmental organizations in Indonesia. This justifies the presence of agency relationship in governmental organizations in Indonesia (Sutaryo & Jakawinarna, 2013).

Lupia and McCubbins (2000) in Halim and Abdullah (2006) state that in modern democracy, there are at least four characteristics of delegation, namely: (1) the presence of principal and agents, (2) possibility of conflict of interest, (3) asymmetric information, and (4) possibility that principal can reduce agency problems.

The effort of dealing with or reducing this agency problems will create agency cost which will be borne by both the principal and the agents. Jensen and Meckling (1976) divide this agency cost into *monitoring cost*, *bonding cost* and residual loss. Monitoring cost is the cost arising out and borne by the principal to monitor the agent's behavior, i.e. to measure, observe, and control their behaviors. Bonding cost is the cost borne by the agent to establish and comply with a mechanism which ensures that the agent will take actions for the principal's best interest. Furthermore, residual loss is the sacrifice in the form of reduced prosperity of the principal as a result of differences between agent's decisions and principal's decisions. One of the manifestations of this agency cost is the implementation of internal control system. An internal control system can reduce the possibility of conflict of interest and asymmetric information which can harm the principal.

Government Internal Control System Maturity

Government Internal Control System is an integral process to the actions and activities continuously performed by leaders and all employees to give adequate confidence that the organization's goals will be achieved through effective and efficient activities, financial reporting reliability, state asset security and compliance with the regulations of law applied in the Government Institutions (GR Number 60 Year 2008). One method to measure the effectiveness of internal control is maturity model. According to IIA (2013), maturity model is a systematic measurement which can describe and explain the components of a process believed to move towards better outputs and outcomes. Andersen and Jessen (2003) suggest that the concept of maturity in an organization aims at directing the organization to reach their goals optimally.

To assess the effectiveness of SPIP execution, some indicators, approaches, and techniques need to be established. The appropriate indicators should be chosen to enable a good assessment of SPIP effectiveness. The reliability attributes of internal control are adapted to be the indicators of SPIP execution maturity.

The Government Internal Control System (SPIP) execution maturity level depicts the rank or structure of SPIP execution maturity with different characteristics from one level to another level. The low maturity level implies the low success probability in reaching the goals, and the higher maturity level implies the higher possibility of success (IIA, 2013).

The SPIP maturity framework has six levels, namely: "Absent", "Initiated", "Developing", "Defined", "Managed and Measured", "Optimum". These levels are equal to levels 0, 1, 2, 3, 4

and 5 respectively. Each maturity level has basic characteristics which shows the role or capability of **SPIP** execution in supporting the achievement of government institution's goals.

SPIP execution maturity level is a working framework containing the basic characteristics which show a structured and sustainable SPIP execution maturity level. This maturity level can be used at leas as an instrument for evaluating the SPIP execution, and generic guidelines to improve the maturity of internal control system.

Ever SPIP maturity level has its own basic characteristics which can significantly differs one level from the other, even due to sustainable process might intersect one another. These basic characteristics are visible from the general characteristics of each level as can be seen in Table 1.

Guidance of SPIP Execution

The guidance of SPIP execution is directly related to the internal monitoring mission on the accountability of financial and development management in order to manifest a clean and effective government and corporate governance (BPKP, 2016). The guidance of SPIP execution in

Level	Characteristics
Absent	Ministry/Institution/Local Government has not at all had any policies and procedures
	required to perform the internal control practices.
Initiated	There is an internal control practice, yet the risk and control approaches required are still in
	its ad-hoc shape and unorganized well, without any communication and monitoring resulting
	in the weaknesses being unidentified.
Developing	Ministry/Institution/Local Government has implemented the internal control practice, yet it is
	not documented well and its implementation is highly dependent on individuals and has not
	involved all units of the organization. The control effectiveness has not been evaluated,
	allowing many weaknesses to have not been dealt with adequately.
Defined	Ministry/Institution/Local Government has implemented internal control practice and it is
	well-documented. Yet, the evaluation of such internal control is done with no adequate
	documentations.
Managed and	Ministry/Institution/Local Government has implemented internal control effectively, with
Measured	each activity executing personnel keeping themselves in control of the activity towards the
	achievement of that activity's goals as well as the Ministry/Institution/Local Government's
	goals. The evaluation is performed formally and well-documented.
Optimal	Ministry/Institution/Local Government has implemented sustainable internal control,
	integrated in their activity performance and supported by automatic monitoring using
	computer application.
Source: Decision	n of BPKP Chief No. 4 Year 2016 on Guidelines for Assessment of and Strategy to

 Table 1. SPIP Maturity Level

Improve SPIP Maturity

Stages	Description
Understanding and developing	Building awareness of the importance of SPIP and building commitment to
common perception/	implement SPIP
Dissemination	
Mapping/Diagnostic	Assessment of the existing system to find areas of improvement.
Infrastructure Development	Constructing infrastructure to implement SPIP elements
Internalization	Internalizing the infrastructure of SPIP elements into the orga-nization's real activities
Continuous Development	Monitoring, evaluation, and development of SPIP to keep it func-tioning effectively
Source: Decision of BPKP Cl	nief Number 1396 on Technical Guidelines for Government Internal

 Table 2. SPIP Implementation Stage

Source: Decision of BPKP Chief Number 1326 on Technical Guidelines for Government Internal Control System Execution

Local Governments is performed by BPKP by drafting a technical guidelines for SPIP execution, SPIP dissemination, SPIP education and training, SPIP guidance and counseling, and APIP competence improvement. The initial stage of SPIP execution in Local Government begins with implementation stages. These implementation stages consist of as can be seen in Table 2 (BPKP, 2009).

In 2015-2019 period, the guidance of SPIP execution is directed towards improvement of SPIP maturity at Local Government level, and even up to national development (RPJMN 2015-2019) program level (priority). The Local Government's SPIP execution does not fall under the responsibility of BPKP, rather each Local Government shall be held responsible for it respectively. BPKP as the advisor of SPIP execution can merely improve the guidance quality by performing their tasks of drafting SPIP guidelines and training, safeguarding the implementation of all SPIP elements throughout the main activities and management actions of the Local Governments.

This is done by making risk introduction and control a culture by all personnel and leaders in the execution of their main activities as specified in the policies and standard operating procedures (SOP) of activity performance. Regular communication and evaluation of the consistency between policies and performance of activities according to SOP are expected to make the personnel and leaders aware of the government goal achievement and development, which, in turn, will improve the overall maturity of SPIP implementation in Local Governments (BPKP, 2016).

External Control

External control is a form of supervision done by a supervisory unit from completely outside the executive organization environment (Baswir, 1999 in Halidayati, 2014). External control is performed by the House of Representative or *Dewan Perwakilan Rakyat* (DPR), Supreme Audit Agency (BPK) and directly by the people.

BPK as an external supervisor in delivering their opinion of the Local Government's Financial Statements, also conveys the findings related to SPI execution within the local government environment. Internal control is a process designed to give some feasible certainty regarding the achievement of management's goals on their financial reporting reliability, operation effectiveness and efficiency, and compliance with applicable laws and regulations (Arens et al., 2006). Framework COSO states that a fairly effective internal control can provide assurance that the company runs their operation efficiently and consistent with the predetermined goals, reliable financial reporting and management data, and promotes compliance with applicable laws and regulations. The public auditor agency of the States of America, through SAS United (Statements on Auditing Standards), uses internal control as one variable required to be audited in detecting any corruption.

Characteristics of Local Government

Different characteristics of each organization can influence the effectiveness of internal control. Doyle *et al.* (2007) study the determinant factors of internal control weaknesses in 779 companies and found that smaller, younger companies with weaker financial condition, or being restructuring process tended to have more internal control weaknesses.

Zhang *et al.* (2009) conducted research on internal control effectiveness in companies in China. They found that the internal control quality was positively related to the company's size and financial condition. The company's size was proxied with the company's total asset value, and their financial condition was proxied with ROE (*Return on Equity*) value.

Marfiana and Kurniasih (2013) study the influence of local government characteristics on financial performance. The characteristics of local government under study are proxied by the total assets, portion of locally generated recurring revenues to total revenues, portion of general allocation fund to total revenues, total local expenditures, and number of legislative members. Based on the research results, it is found that the dependence level on central government and total local expenditures have significant influence on local government's financial performance.

Another research conducted by Ashbaugh-Skife *et al.* (2007) find that the companies reporting their internal control weaknesses have more complex operations. The company's complexity is proxied with the number of business segments, sales in foreign currency, and number of supply.

In relation to the achievement of government institution's goals, the capacity of SPIP execution is influenced by the complexity of government institution's activities. Consistent with the definition of SPIP, i.e. an integral process to actions and activities, the wider the scope or the more complex the activity operation processes in the K/L/P organization, the higher the control system capability is required to be.

Hypothesis

Coram *et al.* (2008) study the role of internal audit in detecting frauds and find that the combination between internal audit *insource* and *outsource* can be more effective in detecting fraud as compared to merely either internal audit *insource* or internal audit *outsource*.

The guidance of SPIP execution in Local Governments is done by BPKP by drafting technical guidelines of SPIP execution, SPIP dissemination, SPIP education and training, SPIP guidance and counseling, and APIP competence improvement. This role, conceptually, matches the *internal audit outsource* concept, i.e. the role of assisting and cooperating with internal audit (*insource*) in dealing with some problems in the organization (Carey and Subramaniam, 2006). This guidance is intended for SPIP in local governments to run effectively and efficiently. The more frequently the SPIP guidance is given, the more weaknesses will be found and the more remedies will be made to improve SPIP quality.

H_a: SPIP guidance has positive influence on SPIP maturity.

Most studies on internal control effectiveness use the number of internal control findings as their proxy. Clements et al. (2015) suggest that the improvement in internal control effectiveness can be measured through the decreased number of internal weaknesses being reported. Zaelani and Martani (2011) study the internal control effectiveness in local governments in Indonesia and use the number of internal control findings obtained from LKPD previously audited by BPK as their proxy for internal control effectiveness. In the delivery of internal control findings by BPK to the local governments, also delivered are the recommendations related to these findings. Local governments are given chances to follow-up the recommendations for such internal control findings by making some remedies. In other words, when the remedy recommendations are followed-up by the local governments, it will then improve the internal control effectiveness the following year. Thus, the more internal control findings are reported by BPK, the more remedies can be made to improve the SPIP maturity.

H₂: The number of internal control findings has positive influence on SPIP maturity.

The research by Doyle *et al.* (2007) and Zhang *et al.* (2009) find that the size of a company has positive influence on internal control quality. The greater the size of a company, the less internal control weaknesses would be found. In other words, the control quality will be better. Greatersized organizations have more standard procedures in their financial reporting and have more human resources for separating tasks which are organized well.

In addition, regions of greater size or with greater total assets will have great demand in reporting their mandatory disclosure to the public. Local governments need to disclose further the list of assets they own, their maintenance and management (Suhardjanto and Yulianingtyas, 2011). Therefore, the greater the size of a local government as projected by the total assets they own, the better their SPIP maturity would be.

H₃: Total assets has positive influence on SPIP maturity.

One of SPIP functions is to improve the performance of state financial management (GR 60 Year 2008). The results of Marfiana and Kurniasih's (2013) research show that the total local expenditures have positive influence on local government's performance. Local expenditures are used to maintain and improve the quality of people's life which is embodied in the improved service of mandatory services and other servies in such fields as education, healh, social facility provision, general facility, and social security system development. Hence, the greater the total local expenditures, the greater the fund allocated for improving SPIP maturity.

H₄: Total local expenditure has positive influence on SPIP maturity.

Ashbaugh-Skife *et al.* (2007) find that the company reporting internal control weaknesses has more complex operations. This company's complexity is proxied, among other things, with the number of business segments. Furthermore, Kumar and Kuldip (2016) also find the positive influence of *firm size* on *performance* and *productivity*. The organization complexity of local governments can be projected with the number of SKPDs they own. The more SKPDs the local governments own, the more problems they should deal with which may reduce SPIP maturity.

H_s: Number of SKPDs has negative influence on SPIP maturity.

RESEARCH METHOD

Population, Sample, and Sampling Technique

The population in this research is all regency/municipality governments in Indonesia in 2014. The sample used in this research is taken using *purposive sampling* technique with the criteria of research sample in this study being formulated as follows in Table 3. There are 508 local governments in Indonesia which consist of regencies and municipalities in 2014. Out of these 508 local governments in 2014, 38 neither submit any LKPD nor receive any audit from BPK. The SPIP maturity of 240 local governments is not assessed in 2014. From the remaining 230 governments, 42 local governments do not receive any SPIP guidance. Hence, the final number of samples used for data testing is 188 local governments.

Data and Source of data

The data of this research are secondary ones, i.e. in reference to the information collected by individuals other than the researchers conducting this research (Sekaran and Bougie, 2013). The data and its source are shown in Table 4.

Variable and Variable Measurement

This research uses dependent variable in the form of Local Government's SPIP maturity and independent variables consisting of: SPIP guidance made by BPKP; number of SPI weaknesses from BPK's financial audit; and characteristics of local government consisting of total assets, total expenditures, and number of SKPDs of the local government. Additionally, italso uses control variable in the form of type of local governments. The variables and their measurements are presented in detail in the following table.

Research Model

The model used to test the hypotheses in this research is multiple regression model with the following formula:

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MSPIP = \beta_0 + \beta_1 LnFSPIP + \beta_2 LnTSPI + \beta_3 LnTASET + \beta_4 LnBLJ + \beta_5 LnSKPD + \beta_6 TIPE + ei
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Note:

MSPIP : SPIP maturity;

β1, β2, β3,, β	³ 6 : Regression Coefficient;
LnFSPIP	: SPIP guidance frequency;
LnTSPI	: Internal control findings;
LnTASET	: Local government's total
	assets;
LnBLJ	: Local government's total
	expenditures;
LnSKPD	: Number of SKPDs;
TIPE	: Type of local government;
e	: standard <i>error</i>

No.	Description	Total
1	Local Governments in Indonesia (regencies and municipalities)	508
2	Local Governments which do not submit LKPDs in 2014 and are not audited by BPK	-38
	in 2015	
3	Local Governments against which no SPIP maturity assessments are conducted until	-240
	2016	
4	Local Governments which to which no SPIP guidance is given until 2014	-42
	Number of samples used in research	188

Table 3. Result of Data Sample Selection

Table 4. Data and Source of Data

No.	Data	Source of Data
1.	Audited 2014 Local Government's Financial	Center for Information and Communication of
	Statements.	BPK RI
2.	List of local governments receiving guidance	Planning and Supervision Bureau of BPKP
	from BPKP	
3.	Score of Local Government's SPIP maturity	PKD Monitoring Director of Area 2

Table 5. Research Variable

No.	Variable	Variable Type	Operational Definition
1.	SPIP maturity	dependent	Score of SPIP maturity from the results of
			assessment made by BPKP at 0.00 to 5.00 score interval
2.	SPIP guidance	independent	Frequence of SPIP guidance given by BPKP during 2014
3.	Internal control findings	independent	Number of cases of SPI weakness findings in the result report of audit of Local Government's
4	T 1	· 1	Financial Statements
4.	I otal assets	independent	Local government's total assets specified in LKPDs.
5.	Total expenditures	independent	Local government's total expenditures specified in LKPDs.
6.	Number of SKPDs	independent	Number of SKPDs owned by local govern-ments.

Table 6. Descriptive Statistic (n=188)

Variable	Mean	Std. Dev.	Min	Max
MSPIP	1,9314	0,54806	0,26	3,56
FSPIP	3,2872	2,80992	1,00	16,00
TSPI	11,3511	5,17957	1,00	31,00
BLJ	1,2884E6	8,45716E5	3,78E5	6,44E6
TASET	3,2309E6	2,90172E6	7,14E5	2,34E7
SKPD	55,6277	26,17669	25,00	196,00
TIPE	0,2234	0,41764	0,00	1,00

Note: MSPIP (SPIP Maturity), FSPIP (SPIP Guidance), TSPI (Internal Control Findings), BLJ (Local Government's Total Expenditures), TASET (Total Assets), SKPD (Number of SKPDs), TIPE (Type of Local Government)

RESULTS AND DISCUSSION

Descriptive Statistics

The descriptive statistic testing in this research is intended to provide a description about the distribution of variable frequency in research. The descriptive statistic of each variable in this research is presented in Table 6.

Classical Assumption Test

The stages on multiple regression testing uses several classical assumption tests which should be fulfilled, including: normality test, multicollinearity test and heteroscedasticity test which are shown in detail in Table 7. It can be seen that from the normality test results it is found that the data are normally distributed and from the results of classical assumption testing which consists of autocorrelation, heteroscedasticity and multicollinearity it is found that the data are free from these classical assumptions. Thus, the research hypothesis testing using regression equation can be performed.

Hypothesis Testing Results

The results of data analysis using multiple regression model in this research are presented in Table 8. It can be observed that the F value is 6.869 at a significance rate of 0.000. The results are below the significance rate of 5%, hence the multiple regression model in this research is feasible for its use in hypothesis testing. The

Adjusted R Square value is 0.158. This shows that the independent variables in the regression testing model in this research can explain the influence on SPIP maturity (MSPIP) by 15.8%, and the remaining 84.2% is explained by other factors beyond the model.

Table 8 shows that LN_FSPIP variable, i.e. the SPIP guidance has a coefficient value of 0.320 at sig. value of 0.003. Therefore, H1 is confirmed. This indicates that SPIP guidance variable has positive influence on SPIP maturity. This also indicate that the more frequent SPIP guidance is given, the better the local government's SPIP quality would be. The guidance plays a role in producing remedies to the implemented SPIP.

Table 7. Classical Assumption Testing Results

Tuple / Chassical Tubballiption Testing Results					
Test	N	K-SZ	Tolerance	VIF	Sig.
Normality	188	0,451			0,987
Autocorrelation	188				0,079
Heterocedasticity	188				
- LN_FSPIP					0,119
- LN_TSPI					0,056
- LN BLJ					0,438
- LN TASET					0,152
- SKPD					0,372
- TIPE					0,559
Multicollinearity					
- LN_FSPIP			0,828	1,208	
- LN TSPI			0,994	1,059	
- LN TASET			0,223	4,477	
- LN BLI			0,234	4,281	
- SKPD			0,938	1,066	
TIPE			0.886	1.128	

Note: MSPIP (SPIP Maturity), FSPIP (SPIP Guidance), TSPI (Internal Control Findings), BLJ (Local Government's Total Expenditures), TASET (Total Assets), SKPD (Number of SKPDs), TIPE (Type of Local Government), N = Number of Samples, K-S Z = Kolmogorov-Smirnov Z,VIF= Variance Inflation Factor.

Table 6. Hypothesis Tesuig Results					
	Expt	В	t-value	Sig.	
Constant		0,320	0,298	0,766	
LN_FSPIP	(+)	0,171	3,043	0,003*	
LN_TSPI	(+)	-0,162	-2,130	0,035*	
LN_BLJ	(+)	0,319	2,136	0,034*	
LN_TASET	(+)	-0,169	-1,430	0,155	
LN_SKPD	(-)	-0,050	-0,472	0,637	
TIPE	(+)	0,451	1,278	0,187	
\mathbf{R}^2			0,185		
Adj. R ²			0,158		
F-Value			6,869		
Asymp sig.			0,000		

Table 8. Hypothesis Testing Results

Note: FSPIP (SPIP Guidance), TSPI (Internal Control Findings), BLJ (Local Government's Total Expenditures), TASET (Total Assets), SKPD (Number of SKPDs), TIPE (Type of Local Government), *significant at alpha level 5%

The remedy is performed when weaknesses which can reduce the **SPIP** maturity value are found. This result confirms the result from Coram *et al.* (2006) which find that the combination between internal audit *insource* and *outsource* can be more effective in detecting *fraud* as compared to merely either internal audit *insource* or internal audit *outsource*.

The internal control findings variable (LN_TSPI) shows a sig. value of 0.035, yet the coefficient value is -0.162. Hence, internal control findings has negative influence on SPIP maturity and the second hypothesis is rejected. This research uses dependent variable data, internal control findings, and variable independent, SPIP maturity, from different periods. The data on SPIP maturity used in this research are taken from a period after the internal control findings data. Internal control findings which has negative influence on SPIP maturity is possibly because the local governments have not completely followedup the recommendations given by BPK in relation to these findings. When the follow-ups of BPK's recommendations have not been completely finished, then the remedies to the internal control findings have not been completely done. Such a condition indicates that the local government APIP has not had enough capability in following up BPK's audit findings. It is proven by the low level of local government APIP. The local government IACM APIP on average is at level 1 or 2, meaning they can only supervise and cannot take initiatives for prevention and remedy.

The total assets (LN_TASET) variable has a coefficient value of -0.169 at a sig. value of 0.155. This result shows that the total assets variable has no influence on SPIP maturity. Therefore, the third hypothesis is not proven. This research does not confirm the hypothesis built by the researcher, i.e. the higher the total assets of a local government, which is a projection of its size, the greater the capability that the local government will have in developing SPIP to be developed. Marfiana and Kurniasih (2013) also find that total assets have no influence on the performance of local governments. The greatest composition of local government's assets is fixed assets. Meanwhile, the management of local government's fixed assets still experiences many problems. Thus, local governments fail to use these great resources to improve their SPIP maturity.

The local government's total expenditures (LN_BLJ) variable has a coefficient value of 0.319 at a sig. value of 0.034. This result indicates that

the expenditure variable has positive influence on SPIP maturity. Therefore, the fourth hypothesis is confirmed. Marfiana and Kurniasih (2013) also find that total expenditures of a local government have positive influence on the performance of that local government. It indicates that the local government's budget for local expenditure has been realized for improving the performance towards a better one. Pratama et al. (2015) also find that local expenditure has positive influence on Local Government's Financial Statements. It can then be concluded that the higher the total local expenditure, the higher the possibility of fund allocation used to improve SPIP maturity, hence the main goals of SPIP implementation can be reached, i.e. accountability and transparency in state financial management.

The local government's number of SKPDs (LN SKPD) variable has a coefficient value of -0.050 at a sig. value of 0.637. This result shows that the number of SKPDs variable has no influence on SPIP maturity. Therefore, the fifth hypothesis is rejected. Zaelani and Martani (2011) also find that complexity does not influence the effectiveness of SPI. The local government with large number of SKPDs is not necessarily more complex because SKPDs are established to manage such governmental affairs as finance, planning, supervision and technical issues of implementation. Hence, large number of SKPDs can indicate that the local government affairs are divided into this large number of SKPDs, and these SKPDs have their own affairs to deal with which are relatively equal among them. Meanwhile, as for the TYPE which is the control variable, the result shows that TYPE has no influence on the local government's SPI effectiveness. Thus, the type difference between municipality government and regency government does not become the factor which influence the SPI effectiveness of local governments in Indonesia.

CONCLUSION

This research is conducted to discover the influence of SPIP guidance and external control on government internal control system (SPIP) maturity of local governments in Indonesia. The results of hypothesis testing show that guidance frequency and total expenditures variables have positive influence on Local Government's SPIP maturity. Meanwhile, the internal control findings variable has negative influence on Local Government's SPIP maturity. The total assets and number of SKPDs variables have no influence on Local Government's SPIP maturity. Finally, the control variable tested show that the local government type (regency or municipality) influences Local Government's SPIP maturity.

In this research, the SPIP maturity data for all local governments (regency and municipality) in Indonesia cannot be obtained yet. This is because the process of SPIP maturity assessment made by **BPKP** is still in progress. The researchers also use only data on SPIP guidance in 2014, even though SPIP guidance has been given since the Government Regulation Number 60 Year 2008 was issued. The local expenditure attribute still uses the data on total overall expenditures of local governments, it has not identify in detail the expenditures related to the effort of improving SPIP maturity. Furthermore, this research excludes other attributes which may influence SPIP maturity, such as the role of Government Internal Supervision Officer or Aparat Pengawasan Intern Pemerintah (APIP) and the local head's commitment.

The results of this research show that SPIP guidance frequency has positive influence on Local government's SPIP maturity. To enable the achievement of transparency and accountability goals, local governments ought to pay more attention to improve their SPIP maturity by giving intensive guidance. The regulator, in this case the central government, needs to give a little bit motivation for local governments to be more attentive to their SPIP maturity, in forms of both directives and regulations.

Internal control findings and SPIP maturity are the outcomes of continuous and repeated activities each year, hence it is possible to see what are the perception similarities or differences between SPIP maturity assessment performed by BPKP and SPI audit performed by BPK. The next research can develop this research using such variable as the characteristics of local government inspectorate as the implementation of SPIP including, number and role ranks of local inspectorate auditor, training and development of inspectorate auditors who have possible influence on SPIP maturity. In addition to such factor as the characteristics of internal auditor, the local executive factor such as commitment of local heads as the local executive is also suspected to have some influence on SPIP maturity hence it is possible to add it as an effort of developing this research.

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