Risk Assessment of Monitoring Services using COBIT 5 Framework

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ABSTRACT

PT. Binokular Media Utama has used information technology assistance as a means of service, an information system to support business processes in the field of media monitoring to monitor the output of print, online and broadcast media in analytical activities. The information system used at PT. Binokular Media Utama is Bino Premium to manage data that will be displayed to clients, there are several risks that can interfere with monitoring activities of Bino Premium products to manage data in print, online and broadcast media. Risk management is carried out at PT. Binokular Media Utama using the COBIT 5 framework with the APO12 (Managing Risk) process consisting of APO12.01 to APO12.06 and EDM03 (Ensuring Risk Optimization) consisting of EDM03.01 to EDM03.02. The capability level assessment used in the process assessment is done by collecting observation data, interviews, and questionnaires and then analyzing the data using the Process Assessment Model so that it can determine the current capability value, expected capability value, gap value analysis, and determine recommendations for each risk. The assessment of the current capability level based on the results of the calculation of the APO12 process (Managing Risk) obtained a value of 3.67 which indicates the implementation of the process is at level 4 (Predictable Process) and EDM03 (Ensuring Risk Optimization) obtained a value of 3 which indicates the implementation of the process is at level 3 (Established Process). The results of the gap value (gap) based on calculations carried out with the APO12 process (Managing Risk) found a gap of 0.33 and EDM03 (Ensuring Risk Optimization) found a gap of 1. The results of the gap discovery were used to make recommendations related to risk management in the company so as to achieve the company's expected future goals.

Keywords

Information Systems, Risk Management, COBIT 5, Process Capability Level.

1. INTRODUCTION

Every company has an information system to support business processes in the company to manage data and information needed by the company [14]. PT. Binokular Media Utama is a company engaged in the field of media monitoring to monitor the output of print, online and broadcast media in analysis activities. PT. Binokular Media Utama has used information technology assistance as a means of service. Monitoring services are used to monitor and control various business processes in project developers and operations. The information system at PT. Binokular Media Utama is Bino Premium for managing data to be displayed to clients. These systems are integrated with each other in one system. If a problem occurs, it will be easier to manage the existing data in print, online and broadcast media. Risks that can interfere with monitoring activities of Bino Premium products. Risk management is carried out using the COBIT 5 framework that focuses on APO12 (Managing Risk) and EDM03 (Ensuring Risk Optimization). APO12 (Managing Risk) aims to identify, assess and reduce risks related to information technology at the tolerance level set by the company's executive management. EDM03 (Ensuring Risk Optimization) aims to ensure that the company's risk appetite and tolerance are understood, articulated, and communicated, and the risks to company value associated with the use of information technology are identified and managed. Assessment of the level of process capability and the results of the gap value as well as recommendations for improvement of monitoring services at PT. Binokular Media Utama.

2. STUDY LITERATURE

2.1 Definition of Analysis

Analysis is an attempt to observe in detail by describing the activities of rational thought, the constituent components objectively applying the methodology to compose these components so that an assessment of the object is carried out to be studied more deeply into components that are still intact into smaller sub-components [17].

2.2 Definition of Risk

Risk is an event that occurs in a company that affects the achievement of company goals. Risk management is the ability to deal with risks with a good effect in helping to realize the goals of a company [20].

2.3 Definition of IT Risk Management

IT Risk Management is a combination of a process used to identify, review, develop prevention strategies and communicate IT risks that have an adverse effect and cause losses to the company [8].

2.4 COBIT 5

Control Objectives for Information and Related Technology (COBIT 5) is a framework to measure the quality of information technology governance to support the activity process to focus on the strategic value of information technology implementation (IT strategic value) and determine IT implementation to support the achievement of the company's vision and mission [2]. The COBIT 5 framework consists of 5 (five) main principles and is equipped with 7 (seven) enablers. COBIT 5 adapts 5 (five) principles that seem to companies that can create a successful governance and management framework with a holistic approach of 7 (seven) enablers provided so as to optimize technology and information while providing benefits to stakeholders [11].

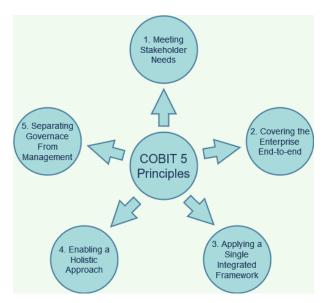


Figure 1. The Five Principles of COBIT 5

Based on Figure 1 there are 5 (five) main principles that must be carried out as follows:

- 1. Meeting Stakeholder Needs, undertakes all stakeholder needs in maintaining a balance to realize benefits and optimize risks.
- Covering the Enterprise End-to-end, integrating information technology corporate governance from upstream to downstream.
- 3. Applying a Single Integrated Framework, applying a single integrated framework to provide guidance on a subset of information technology activities.
- Enabling a Holistic Approach, enabling an efficient and effective holistic approach to corporate governance and management.
- 5. Separating Governance from Management, separating governance from management.

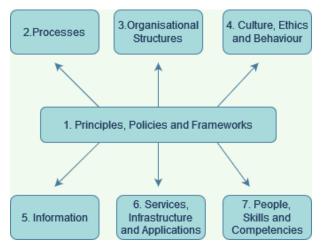


Figure 2. Seven Enablers COBIT 5

Based on Figure 2 there are 7 (seven) enablers of COBIT 5 as below:

- 1. Principles, Policies and Frameworks, formulate stakeholder needs as a guide that will be used in the company's operational activities in the field of information technology.
- 2. Processes, providing details of activities and activities carried out to achieve company goals.

- 3. Organisational Structures, meet the needs and objectives of stakeholders for decisions and policies made by the company.
- 4. Culture, Ethics and Behavior, provides an assessment of a company's habits and goals so that they can be achieved with good company habits.
- 5. Information, companies need information in carrying out business processes to make movements by making decisions and solving problems within the company.
- 6. Services, Infrastructure and Applications, providing services, infrastructure and applications for the company's information technology processes.
- 7. People, Skills and Competencies, carrying out all activities and making decisions with the right skills and competencies and successfully.

2.5 Process Capability Level

In the COBIT 5 framework, there are 6 (six) levels of process capability [11].

- 1. Level 0 (Incomplete Process), the process is not implemented or fails to achieve the goal of the process.
- 2. Level 1 (Performed Process), the implementation of the process achieves its objectives.
 - a. PA 1.1 Process Performance, the implemented process achieves its process objectives.
- 3. Level 2 (Managed Process), the process at level 1 is implemented into a process arrangement (planned, monitored, and evaluated) and the work products of the process are defined, controlled, and maintained appropriately.
 - a. PA 2.1 Performance Management, measures the extent to which process performance is managed.
 - b. PA 2.2 Work Product Management, measures the extent to which the work products produced by the process are managed appropriately.
- 4. Level 3 (Established Process), the process is defined and implemented according to existing standards.
 - a. PA 3.1 Process Definition, measures the extent to which a process is maintained to improve the deployment of a defined process.
 - b. PA 3.2 Process Deployment, measures the extent to which the process is still implemented as a defined process to achieve the results of the process.
- 5. Level 4 (Predictable Process), the process operates according to the specified limit to achieve the process results.
 - a. PA 4.1 Process Measurement, measures the extent to which the measurement results can ensure that the performance of the relevant process performance goals is achieved in support of the specified business objectives.
 - b. PA 4.2 Process Control, measures the extent to which processes are managed quantitatively to produce stable, capable, and predictable processes within specified limits.
- 6. Level 5 (Optimizing Process), processes are developed constantly to complement current

conditions that are relevant and lead to business goals.

- a. PA 5.1 Process Innovation, process Innovation, measures the extent to which process changes are identified from the implementation of the process and from the innovation approach to the implementation of the process.
- b. PA 5.2 Process Optimization, measures the extent to which changes are defined, effectively manages process execution to support the achievement of process improvement objectives.

2.6 RACI Chart

RACI Chart has a function at the process level of responsibility for roles in the organizational structure of a company [1]. The RACI Chart defines the authority of a person in an IT-based company. The RACI Chart that will be used is guided by the APO12 and EDM03 processes, which will then be used to determine respondents.

There are 6 (six) key management practices of COBIT 5 as below:

- 1. APO12.01 (Collect Data), identify and collect data that is useful for identifying, analyzing, and reporting risks related to effective information technology.
- 2. APO12.02 (Analyze Risk), disseminate useful information to support decision making that is useful in business processes and risk factors that occur.
- 3. APO12.03 (Maintain a Risk Profile), maintain a list containing known risk and risk attributes and related resources, capabilities and control activities.
- APO12.04 (Articulate Risk), provide information regarding explanations and opportunities regarding the latest information technology to all stakeholders needed to get the right response.
- APO12.05 (Define a Risk Management Action Portfolio), manage existing opportunities to minimize all risks to an acceptable level as a portfolio.
- APO12.06 (Respond to Risk), responding quickly in a short time with effective steps to reduce the magnitude of losses due to events related to information technology.

There are 2 (two) key governance practices of COBIT 5 as below:

- EDM03.01 (Evaluate Risk Management), examine and make an assessment of the effect of risk on the use of the latest information technology in the company. Considering the appropriate corporate risk appetite and risks to company value associated with the use of information technology are identified and managed.
- EDM03.02 (Direct Risk Management), establish risk management measures to provide adequate assurance regarding information technology risk management in accordance with ensuring that information technology risk does not exceed the risk appetite of the board of directors.

2.7 Implementation of COBIT 5

According to (ISACA, 2012) the implementation of COBIT 5 has 7 (seven) stages that need to be carried out as follows [12]:

- 1. What are the drivers? (Initiate Program), the first stage is carried out by starting who will build control over the control of change and recognize the need to implement the desired process.
- 2. Where are we now? (Define Problems and Opportunities), the second stage is carried out by defining the problems that occur related to risk and forming a strategy that is following the company's objectives in its implementation and assessing the current situation to determine process capability.
- 3. Where do we want to be? (Define Road Map), the third stage is done by determining the desired target and opening the path that must be passed to reach the desired level.
- 4. What needs to be done? (Plan Program), the fourth stage is carried out by planning what must be done to identify solutions that will be carried out and build improvements for implementation.
- 5. How do we get there? (Execute Plan), the fifth stage is carried out by implementing the plans that have been made in the fourth stage to use this method and implement the improvements that have been designed.
- 6. Did we get there? (Realize Benefit), the stage that is carried out by realizing the benefits that have been associated with changed management and have been improved through the measurement of process capabilities.
- 7. How do we keep the momentum going? (Review Effectiveness), the seventh stage is carried out by implementing what has been implemented and simplifying where the process runs.

2.8 Process Assessment Model

According to (ISACA, 2012) Process Assessment Model is used for process-based COBIT assessment in order to improve the accuracy and reliability of IT process assessment. Indicators are used to assess process attributes can be achieved or not. There are 2 (two) types of assessment indicators:

- 1. Process Capability Indicators, with capability levels 1 to 5. This indicator is general for each process capability attribute. The indicators used to assess process capability are Generic Practice (GP) and Generic Work Products (GWP).
- 2. Process Performance Indicators, which apply exclusively to capability level 1. Process performance indicators (base practices and work products) are specified for each process and are used to determine whether the process capability is at level 1.

3. METHODOLOGY

3.1 Research Stage

This research was conducted using the COBIT 5 framework for the APO12 (Managing Risk) and EDM03 (Ensuring Risk Optimization). The scenario that will be passed explains the stages of working on this research so that the steps are more focus and clear.

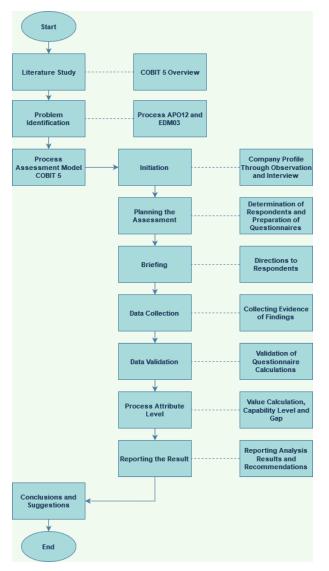


Figure 3. Stages of Research

Based on Figure 3, 11 (eleven) the stages of the research carried out are as below:

- 1. The first stage is looking for a literature study on the general description of the COBIT 5 framework by exploring reference information from previous research related to risk management carried out for the selection of domains in the COBIT 5 framework.
- 2. The second stage identifies problems that exist in the background. It has been explained to find out the existing problems and determine the right domain to solve the problem by using the APO12 and EDM03 processes.
- 3. The third stage applies the Process Assessment Model method in accordance with the COBIT 5 framework which consists of the stages of Initiation, Planning the Assessment, Briefing, Data Collection, Data Validation, Process Attribute Level, and Reporting the Result which are used to assess the level of process capability in COBIT 5.
- 4. The fourth stage is Initiation to find out the general description of the company and information related to the company profile, company vision and mission, company organizational structure, and

company business processes obtained from the results of data collection through observations and interviews.

- 5. The fifth stage is Planning the Assessment to determine respondents who are in accordance with the responsibilities within the company who will fill out the questionnaire guided by using the RACI Chart APO12 and RACI Chart EDM03 and compiling a questionnaire in the form of a series of questions that have been adapted to the COBIT 5 framework in the APO12 process (Managing Risk) and the EDM03 process (Ensuring Risk Optimization).
- 6. The sixth stage is conducting a briefing to provide information on the direction of research conducted to respondents regarding data collection from responsible and knowledgeable sources related to the use of information technology in the company.
- 7. The seventh stage is conducting Data Collection to obtain evidence related to the process assessment of each activity in the APO12 (Managing Risk) and EDM03 (Ensuring Risk Optimization) processes as evidenced by data collection findings that have been carried out in research.
- The eighth stage is conducting Data Validation to validate the results of the questionnaire derived from respondents' answers which are used to determine the capability level of the APO12 (Managing Risk) and EDM03 (Ensuring Risk Optimization) processes.
- 9. The ninth stage is conducting Process Attribute Level to show the results of the process capability from the questionnaire calculation to determine the level of APO12 (Risk Management) and EDM03 (Ensuring Risk Optimization) process capabilities and perform gap analysis.
- 10. The tenth stage is conducting Reporting the Result to report the results of the analysis and provide recommendations obtained through the results of the risk assessment that has been carried out in the research.
- 11. The eleventh stage makes conclusions from the research which contains a summary of the results of the research process that has been carried out, in order to answer the formulation of the problem and the objectives of the research.

3.2 Method of Collecting Data

- 1. Observations were made to see directly the process that occurred by observing the activities carried out by studying the workings of the Bino Premium System at PT. Binokular Media Utama to seek information related to risk management from the use of information technology in the company and conducting risk management analysis on monitoring services used by the company.
- 2. Interviews were conducted to collect information and data by conducting direct questions and answers to trusted sources with IT Manager who has knowledge related to the Premium Bino System at PT. Binokular Media Utama. Direct interviews were carried out by taking into account the existing health protocols during the COVID-19 pandemic and if it was not possible to do so directly through social media such as WhatsApp.

3. The questionnaire was conducted to collect data by giving a set of questions to respondents designed to determine the capability level of IT operational management that has been running at PT. Binokular Media Utama Yogyakarta. The questionnaire given to respondents is a written statement, the statement made refers to the COBIT 5 framework of the APO12 (Managing Risk) and EDM03 (Ensuring Risk Optimization) using the RACI Chart method which directly distinguishes work units based on the Stakeholder Job-description, SO that the questionnaire will be validly accepted by the person in charge of IT services at PT. Binokular Media Utama.

3.3 Implementation

3.3.1 Preparation of the Questionnaire

The preparation of the questionnaire has been adapted to the COBIT 5 framework standards focusing on the APO12 (Managing Risk) process consisting of APO12.01 to APO12.06 and EDM03 (Ensuring Risk Optimization) consisting of EDM03.01 to EDM03.02. Questionnaires are used to assess the level of process capability in monitoring services at PT Binokular Media Utama.

3.3.2 Determination of Respondents

Determination of respondents through the RACI Chart has a function at the process level of responsibility for roles in the organizational structure of a company. The RACI Chart defines the authority of a person in an IT-based company. The RACI Chart that will be used is guided by the APO12 and EDM03 processes. The RACI Chart method which directly distinguishes work units based on the Stakeholder Job-Description, so that the questionnaire will be accepted legally by the person in charge of Monitoring Services at PT Binokular Media Utama.

Table 1. Results of Determination of Respondents RACI Chart APO12

No	Structure of COBIT 5	Organizational Structure	ID
1	Business Process	General	R1
	Owners, Business	Manager	
	Continuity		
	Manager, Privacy		
	Officer,		
	Compliance		
2	Project	Production	R2
	Management	Manager	
	Office, Service		
	Manager		
3	Chief Risk	IT Manager	R3
	Officer, Chief		
	Information		
	Security Officer,		
	Head Architect,		
	Information		
	Security Manager,		
	Audit, Chief		
	Information		
	Officer		
4	Head	IT Senior	R4

	Development		
5	Head IT Operations, Head IT Administration	IT Coordinator DevOps	R5

Based on Table 1 determination of respondents using the APO12 domain process following RACI Chart COBIT 5 obtained 5 respondents. In table 1 respondents and positions in the company.

Table 2. Results of Determination of Respondents RACI Chart EDM03

No	Structure of COBIT 5	Organizational Structure	ID
1	Chief Executive	General Manager	R1
	Officer,		
	Business		
	Executives		
2	Strategy	Production	R2
	Executive	Manager	
	Committee		
3	Chief Risk	IT Manager	R3
	Officer, Chief		
	Information		
	Security Officer,		
	Chief		
	Information		
	Officer		

Based on Table 2 determination of respondents using the EDM03 domain process following RACI Chart COBIT 5 obtained 3 respondents. In table 2 respondents and positions in the company.

3.3.3 Determination of Capability Level

The results of determining the level of capability of the APO12 are based on the results of the calculation of the capability values contained in the APO12 sub-process.

Table 3. Determination of Capability Level APO12

No	Sub-process	Capability Value	
		Current	Expected
1	APO12.01	4,11	4
2	APO12.02	3,83	4
3	APO12.03	3,26	4
4	APO12.04	3,72	4
5	APO12.05	2,93	4
6	APO12.06	3,8	4
	Average	3,61	4

Based on Table 3, it is known that the APO12 (Managing Risk) is at level 4 with a capability value of 3.61. At this level, the Bino Premium System Monitoring Service at PT Binokular Media Utama has implemented a Predictable Process.

No	Sub-process	Capability Value	
		Current	Expected
1	EDM03.01	3,4	4
2	EDM03.02	3,23	4
	Average	3,32	4

Based on Table 4, it is known that the EDM03 (Ensuring Risk Optimization) is at level 3 with a capability value of 3.32. At this level the Bino Premium System Monitoring Service at PT. Binokular Media Utama has implemented the Established Process.

3.3.4 Process Achievements

Process examination in the APO12 (Managing Risk) and EDM03 (Ensuring Risk Optimization) domains which aim to find out whether the requirements that must be met at each level are met with the provisions of the category from the results of the assessment at each level.

Table 5. APO12 PA 1.1 Process Performance

Work	Description	Exist	Evidence
Products	•		
APO12-	Data on the	\checkmark	Risk
WP1	operating		Profile
	environment		
	relating to risk		
APO12-	Data on risk		Risk
WP2	events and		Profile
	contributing		
	factors		
APO12-	Emerging risk	\checkmark	Risk
WP3	issues and factors		Profile
APO12-	Scope of risk	\checkmark	Risk
WP4	analysis efforts		Profile
APO12-	IT risk scenarios	\checkmark	Risk
WP5			Profile
APO12-	Risk analysis	\checkmark	Risk
WP6	results		Profile
APO12-	Documented risk	\checkmark	Risk
WP7	scenarios by line		Profile
	of business and		
	function		
APO12-	Aggregated risk	\checkmark	Risk
WP8	profile, including		Profile
	status of risk		
	management		
	actions	1	
APO12-	Risk analysis and	\checkmark	Evaluation
WP9	risk profile		Report
	reports for		
4.0012	stakeholders		
APO12-	Review results of	-	-
WP10	third-party risk		
APO12-	assessments		Risk
AP012- WP11	Opportunities for acceptance of	N	Profile
VV F 1 1	acceptance of greater risk		FIOILIE
APO12-	Project proposals	2	Risk
WP12	for reducing risk	N	Profile
APO12-	Risk-related	al	Risk
WP13	incident response	'N	Profile
WF13	mendent response		FIOILIE

	plans		
APO12-	Risk impact	\checkmark	Risk
WP14	communications		Profile
APO12-	Risk-related root	\checkmark	Risk
WP15	causes		Profile
Ave	erage Score	93	,33%

Based on Table 5 the achievement of the APO12 process on the Bino Premium System Monitoring Service at PT. Binokular Media Utama to meet process attributes in process capabilities at level 1 Process Performance.

Table 6. EDM03 PA 1.1 Process Performance

Work	Description	Exist	Evidence
Products			
EDM03-	Risk appetite	\checkmark	IT
WP1	guidance		Knowledge
			Base
EDM03-	Approved risk	\checkmark	IT
WP2	tolerance levels		Knowledge
			Base
EDM03-	Evaluation of	\checkmark	Evaluation
WP3	risk		Report
	management		
	activities		
EDM03-	Risk	\checkmark	IT
WP4	management		Knowledge
	policies		Base
EDM03-	Key objectives	\checkmark	IT
WP5	to be monitored		Knowledge
	for risk		Base
ED1(02	management	1	IT
EDM03- WP6	Approved		IT
WPO	process for		Knowledge Base
	measuring risk		Dase
EDM03-	management Remedial	al	Risk Profile
WP7	actions to	N	KISK FIOIHE
**1 /	address risk		
	management		
	deviations		
EDM03-	Risk	V	Risk Profile
WP8	management	•	
	issues for the		
	board		
Avera	age Score	1	00%

Based on Table 6 the achievement of the EDM03 process on the Bino Premium System Monitoring Service at PT. Binokular Media Utama to meet process attributes in process capability at level 1 Process Performance.

3.3.5 Gap and Recommendation APO12

The results of the calculation of the value of the APO12 process gap (Managing Risk) that have been obtained from the results of the questionnaire were analyzed based on each question in the sub-process and then compared with the results of observations and interviews. The results of the assessment of each process will be made recommendations as improvements so that the expected conditions can be achieved and improved for the better by PT Binokular Media Utama adjusted to the COBIT 5 framework.

No	Sub-	Capability Level		Max	Gap
	process	Current	Expected		
1	APO12.01	4	4	5	0
2	APO12.02	4	4	5	0
3	APO12.03	3	4	5	1
4	APO12.04	4	4	5	0
5	APO12.05	3	4	5	1
6	APO12.06	4	4	5	0
	Average	3,67	4	5	0,33

 Table 7. Capability Level in Process APO12

Based on Table 7 the current capability level value is at level 4 and the expected capability level value is 3,67 so that the resulting gap from the APO12 process is 0,33 which will be given recommendations as described in the process attribute following current company needs.

Table 8. Recommendations APO12

Sub-processRecommendationAPO12.01a.Monitoring services at PT(CollectBinocular Media Utama that are already running must continue to be improved in data collection, classification and analysis to make it easier to manage data in print, online and broadcast media.b.Monitoring services at PT Binocular Media Utama that are already running must continue to be improved in data recording in the internal and external operating environment when managing video and audio recordings, adding data storage periodically to make it even better.APO12.02a.Monitoring services at PT Binocular Media Utama that are already running must continue to be improved in data recordings, adding data storage periodically to make it even better.APO12.02a.Monitoring services at PT Binokular Media Utama that are already running must continue to be improved in risk analysis, risk factors and asset- related criticism that can interfere with the operational activities of Bino Premium products.b.Monitoring services at PT Binocular Media Utama, which are already running, must continue to be improved in terms of updating, controlling and detecting risk by performing risk mitigation		APO12 Manage Risk		
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are already running, need to be		b.	e
carried out by the company to			
			carried out by the company to

	ma	onitor risk within the
	tol	erance level of individuals
	an	d portfolios using existing
	pe	formance reviews in the
	co	mpany to assess subjectively
	ace	cording to the company's
	pro	oductivity.
APO12.06	a. Me	onitoring services at PT
(Respond to	Bi	nocular Media Utama that
Risk)	are	already running must
	co	ntinue to be improved in
	do	cumenting the steps that
	mu	st be taken during risk
	eve	ents by addressing them
	aco	cording to company SOPs
	an	d adjusting to the conditions
	of	the print, online and
	bro	oadcast media.
	b. Me	onitoring services at PT
	Bi	nocular Media Utama that
	are	already running must
	CO	ntinue to be improved in risk
	ma	nagement in accordance
	wi	th the risk tolerance
	thr	eshold so that companies can
	use	e the concept of
	mi	croservices.

Based on Table 8, some gaps must be met by the Bino Premium System Monitoring Service at PT Binokular Media Utama to meet the requirements at level 4 (Predictable Process) in the APO12 process.

3.3.6 Gap and Recommendation EDM03

The results of the calculation of the EDM03 process gap value (Ensuring Risk Optimization) that have been obtained from the results of the questionnaire which were analyzed based on each question in the sub-process are then compared with the results of observations and interviews.

Table 9. Capability Level in Process EDM03

No Sub-		Capability Level		Max	Gap
	process	Current	Expected		
1	EDM03.01	3	4	5	1
2	EDM03.02	3	4	5	1
	Average	3	4	5	1

Based on Table 9 the current capability level value is at level 3 and the expected capability level value is 3 so that the gap resulting from the EDM03 process is 1 which will be recommended following what is described in the process attribute according to the company's current needs.

Table 10. Gaps and Recommendations EDM03

EDM03 Ensure Risk Optimization				
Sub-process	Recommendation			
EDM03.01	a. Monitoring service at PT Binocular			
(Evaluate	Media Utama which is already			

Risk		running, it is necessary to
Management)		determine the level of risk by
		activating other services when
		experiencing disruptions and
		applying rotation related to certain
		services to achieve company goals.
	b.	Monitoring services at PT
		Binocular Media Utama that are
		already running need to be
		evaluated and approved for the
		level of risk so that it can be
		accepted by the company by
		reviewing the print, online and
		broadcast media operations
		according to needs.
EDM03.02	a.	Monitoring services at PT
(Direct Risk		Binocular Media Utama, which are
Management)		already running, need to increase
		risk awareness by identifying risks
		that have occurred and making
		notes regarding various problems
		that occur so that they do not recur.
	b.	Monitoring services at PT
		Binokular Media Utama, which are
		already running, need to be briefed
		on the integration between strategy
		and risk operations with routine
		cloud data collection so that they
		can find out the right time to resize
		and not interfere with operational
		activities.
L		ucu (11105.

Based on Table 10, some gaps must be met by the Bino Premium System Monitoring Service at PT. Binokular Media Utama to meet the requirements at level 3 (Established Process) in the EDM03 process.

4. CONCLUSION

Based on the results of the risk management analysis carried out in this study with the title "Risk Management Analysis of Monitoring Services Using COBIT 5 Framework" by assessing the level of process capability in the Premium Bino System Monitoring Service at PT Binokular Media Utama using the COBIT 5 framework. Assessment of the current process capability level based on calculations carried out using the APO12 (Manage Risk) domain, the average value is obtained at level 4 (Predictable Process) with a capability value of 3,67 and EDM03 (Ensure Risk Optimization) the average value is obtained at level 3 (Established Process) with a capability value of 3. The results of the GAP (gap) value based on calculations performed using the APO12 (Manage Risk) domain found a Gap of 0,33 and EDM03 (Ensure Risk Optimization) found a Gap of 1. The results of the analysis carried out obtained recommendations given for Monitoring Services to improve processes that are already running at PT. Binokular Media Utama.

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