

PLAGIARISM SCAN REPORT

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Information technology (IT) is one of the important aspects of governance organizations as a whole. The success of the organization will be greatly influenced by its ability in utilizing IT optimally [1]. IT governance is a procedure directive implementation of organizational arrangements to support the management of IT integrally and follow up the goals and strategies of organizations that have responsibility [2]. Another definition of IT governance is the decision making that ensures the allocation of IT usage in the organization's strategies [3]. IT governance at government institutions is critical to ensure the successful use of IT in supporting the performance of government institutions, as mandated by Presidential Instruction No. 33 of 2003 on "National policies and strategies for e-government development" [4]. To create a progressive and competitive government, Gorontalo City has a great vision "The implementation of the excellent service of Gorontalo city government to realize the prosperous, progressive, active, religious and educated of Gorontalo". In line with that vision, one of the mission related to IT field is to increase the availability of IT infrastructure in urban area by opening cyber city and techno park area, as well as organizing IT-based government service program [5]. At the implementation level, the use of IT in governance needs to take into account the limitations of resources such as data, technology, facilities, and human resources including the fact that IT is relatively costly in its utilization. Limited resources is then an important factor the need for IT governance governing the use of IT in government organizations. IT governance in the process of data management is less good will cause some problems that are weaknesses that will cause threats such as the occurrence of loss, destruction, theft and tapping of important data company or organization. Based on that, it is necessary to do an analysis of IT needs for the government of Gorontalo city through the measurement of maturity level of IT governance so that it can be known the level of IT governance maturity that runs in Gorontalo city government institutions. In measuring the maturity level of IT governance it will be used COBIT (Control Objective for Information and Related Technology) which is a framework that provides a standard within the framework of a domain consisting of a set of IT processes that represent controllable and structured activities [6] [7] [8]. COBIT is an integrated framework for alignment between IT resource management and organizational objectives with the direction of integration and risk associated with IT and is an IT governance management concept addressed to management, IT service staff, departmental control, audit functions and business process owners for confidentiality, integrity and availability of sensitive and critical data and information [9] [10]. Method This research method using case study method by conducting survey, collecting data through questionnaire questionnaire and interview related support of information technology service at government institutions of Gorontalo City. There are four stages in this research that is 1). Surveying and data collection, 2). Preparation of Information Technology Governance Framework, 3). Measurement of Information Technology Governance, 4). Information Technology Governance Analysis. The Result of Compilation of IT Governance Framework Referring to the COBIT standard 4.1 the scope of information technology governance is divided into several stages of the process: Identification of Business Goals, IT Goals Identification, IT Process Identification and Identification of Control Objectives. Referring to figure 1 on the linkage between COBIT business goals and strategic goals the government of Gorontalo City can be seen from four perspectives that exist, that the priority of business target relationship is in the perspective of service and human resource. This indicates that the government of Gorontalo City wants to improve the service to the society and want to increase the capacity and competence of the government employs to create good and quality governance. In this research produce a measurement value of maturity level of IT governance at government of Gorontalo City. Acquisition of the value of this maturity level refers to the application of the COBIT 4.1 framework. Referring to Gap maturity level produced, the government of Gorontalo City should be willing to cover the gap of the existing gap so that all IT resources owned can be managed optimally, and all business processes in the government of Gorontalo City more effective and efficient, accordingly with strategic objectives that have been established through the vision and mission the government of Gorontalo City. The following recommendations are given from this study to be improved by the government of Gorontalo city so as to increase the value of maturity. Based on the result of this research, can be described the conclusion as follows: 1. IT management in the government of Gorontalo city has not been run in accordance with the government's strategic plan, although the government has standard procedure which defines IT implementation strategy 2. There is still a lack of supervision in carrying out the procedure causing frequent occurrence of various deviations in planning and management of IT 3. To measure the maturity level of IT governance in the government of Gorontalo city, the results of the evaluation show that there are still many business processes running at the bottom level, where from 9 processes there are 4 processes at level 2 (Repeatable but Intuitive) and 3 processes are at level 1 (Initial / Ad Hoc) 4. It needs a comprehensive improvement effort from the government of Gorontalo City to the policies, management, and IT resources to produce a good and quality IT governance