*ABSTRACT*

*ANALYSIS AND DESIGN OF INFORMATION TECHNOLOGY GOVERNANCE AT COMMUNICATION INFORMATICS AND ENCRYPTION OFFICE OF SUKABUMI REGENCY USING COBIT 2019 FRAMEWORK*

**By**

**MUHAMAD GILANG GINANJAR**
**1202172094**

*Information Technology (IT) has become the core of a business process to all sectors including the government sector. This requires official state institutions in Indonesia to develop IT governance through electronic-based governance. Communication , Informatics and Encryption Office of Sukabumi Regency is an office that has the task of assisting the Regent in carrying out government affairs in Communication, Information and Encryption. In its implementation, communication informatics and encryption office of sukabumi regency has a function, which is Regional E-Government Management. In order to know the extent of the IT governance system to build Good Governance based on E-Government, an evaluation of information technology governance is needed. In this study, IT governance was designed using COBIT 2019 framework which is in the domain process EDM04 Ensured Resource Optimization, APO12 Managed Risk, BAI08 Managed Knowledge, DSS03 Managed Problems and MEA03 Managed Compliance with External Requirements and uses COBIT 2019 Implementation Methods as the implementation method. The systematics of this research began by conducting document studies and interviews related to design factor by a design toolkit that referred from COBIT 2019 Design Guide published by ISACA. After that, an analysis and assessment of the level of the Department's capability was carried out based on COBIT 2019 Governance and Management Objective. Furthermore, making recommendations for solutions on aspects of people, processes and technology to overcome based on the findings from the results of the capability assessment so that it can improve information technology governance in accordance with the needs in Communication , Informatics and Encryption Office of Sukabumi Regency.*

*Keywords : COBIT 2019; Information Technology; E-Government*