ABSTRACT

The use of information technology in government in Indonesia has been applied to various government institutions, including government institutions that are oriented to the field of public services. The implementation of information technology that has been applied to the Indonesian government is e-Government or electronic government. In e-Government, it is necessary to guarantee information security in supporting business processes. *Information Assurance* (IA) is a practice to manage risks related to information and the steps required for information systems. In other words, IA focuses on the protection and assurance of information service systems. IA needs to be measured to find out the extent of its implementation in order to find out what things are related to institutions that have good IA implementation or need improvement. The IA measurement instrument using the IAFEG framework which adopts the Goal Question Metric (GQM) method will divide the IA measurement instrument into 3 categories, namely Organizational Management, Implementation Management and Social Management. These categories have measurement item factors with different instrumental questions as a reference in measuring IA implementation. The results of the measurement are in the form of a measurement scale or metric that will show the status of IA implementation in government institutions.

Keywords: *Public Service, E-Government, Information Assurance, Goal Question Metric, Framework IAFEG*