ABSTRACT

DESIGN OF INFORMATION SECURITY GOVERNANCE FOR E-GOVERNMENT USING ISO 27001:2013 STANDARD (CASE STUDY: DISKOMINFOTIK OF WEST BANDUNG REGENCY)

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Government has decided to execute a nation-wide program to work on Sistem Pemerintahan Berbasis Elektronik (SPBE). SPBE works in several scope, one of the scopes is in region/city scope. West Bandung Regency is one of the executors of SPBE. Within the SPBE execution of West Bandung Regency there is a technical implementer. That technical implementer named as Dinas Komunikasi, Informatika, dan Statistik. Reckoning that there is a high dependency of SPBE towards information technology, the needs to comply with regulations about SPBE and Information Security, and risks about information security, thus there is a need to concern about organization's information security state. Therefore, an evaluation is necessary to discover the current state of information security governance and to recommend a set of information security governance management to make a better information security governance. The tools that is used to evaluate and to recommend is ISO 27001:2013 standard. The processes are to analise the conformity towards ISO 27001:2013, mapping gaps toward risk, risk analysis, risk prioritization, and give a set of recommendation correspond with the risks. The forms of recommendation will be control of people, process, and technology. People control produces a set of job description and competencies. Process control produces information security policy and Standard Operating Procedure (SOP). Technology control produces application usage to ease the work. These controls are built to mitigate risks of information security and improve the quality of information security governance.

keywords: E-Government, West Bandung Regency, evaluation, conformance, risk management, recommendation.