

Abstract

Electronic Health Records (EHR) is object on information system of Bandung Muhammadiyah Hospital that have role as patient's healthy handling records on hospital. EHR management needs information system audit for evaluate, assess quality, and give recommendations for its information system. This research uses COBIT 5 framework as systematic and logic approach on Build, Acquire, and Implement (BAI) domain where the research has focus on measuring capability of information system building that enable to align objects in EHR information system through engineering technique inside. Usage of COBIT 5 is started by processes selection through Enterprise Goals, IT-related Goals, and IT-related Process mapping where in this case the outputs are BAI01 until BAI10 processes as scope. The expected level on RSMB's EHR by COBIT 5 for all processes is established (score 3.67) while the reality level for 9 processes are managed and 1 process is performed (score 2.22). Recommendation for system repairing has been arranged based process definition, process deployment, performance management, and work product management as process attribute capability between established level from managed level and performed level.

Keywords : *Information system audit, COBIT 5, Domain BAI, Electronic Health Records*