

ABSTRACT

PT Len Railway Systems (PT LRS) is a State Owned Enterprise (BUMN) which is a subsidiary of PT Lembaga Elektronika Nasional (PT LEN) engaged in industry and infrastructure, one of which is railway. The company was founded in 2012 so it is still in the development stage included its information technology (IT). Over time the improvement of information technology in the company increasingly based on the number of data and users needs. However, IT's role in the company has not been well managed, as evidenced by the IT work that has not been integrated with each other because each division has its own IT department. This condition causes no good communication and directed in supporting the ongoing business process. In addition, the company does not have the policies, long-term plans, and standard IT-related procedures. Responding to the situation the proposed Governance of Information Technology at PT LRS using COBIT framework 5 as a framework was made.

Implementation of IT governance ensures IT's role is aligned with corporate business objectives through strategic alignment and risk analysis that lead to priority processes. Then the seven enabler assessment of the priority process and design on the aspects of people, process, and technology.

The domains of APO (Align, Plan, Organize) are the focus of research resulting in the design of IT governance in the form of policy, Standard Operational Procedure (SOP), the addition of job description, technology proposal, and proposal of human resource competency. The IT Governance Recommendation that already verified by the company is expected to help PT LRS in implementing IT Governance in the future so as to improve the company performance.

Keywords: Information Technology Governance, COBIT 5, Align, Plan, Organize.