

ABSTRACT

Information system and technology information in a university is very necessary for supporting business activity and business services. In designing a system, it's better to look at some views, primarily at view of system development, started from defining business architecture, data architecture, application architecture and technology architecture that is going to be built.

As a government institution, IPDN has used information system as the supporting of organization activity, that is academic information system used as supporting media in improving academic service. The information system expected is a system appropriate to organization need and can match business strategy and IT in IPDN.

Particularly on technology aspect, the existing problems are the lack of security control toward network, the lack of dividing server as of causing server performance less optimal and making problems later and also the lack of network back-up. Therefore, IPDN should have Enterprise Architecture.

Analyzing and designing Enterprise Architecture uses framework TOGAF ADM. The usage of TOGAF ADM in doing this analyzing and designing is because ADM is flexible, iterative, detailed and very appropriate to be implemented on an organization that does not have EA. On process of designing EA, MEGA Suite software is used as a tool for generating deliverable such as catalog, matrices, and diagram.

This designing of Technology Architecture in IPDN generates blueprint technology architecture that can be used for a reference or basic of developing technology according to business need. It is also expected to be able to anticipate the problems and become the solution of all problems.

Keywords : Enterprise Architecture, TOGAF ADM, Technology Architecture, SIAKAD, IPDN