ABSTRACT

Institut Pemerintahan Dalam Negeri (IPDN) as one of university under the auspices of Ministry of Internal Affairs has a major focus on the academic services. To support the academic operational activities, it needs to make an Academic Information System (SIAKAD). However, in practice, the implementation of SIAKAD doesn't always run well and there are still some obstacles, such as the absence of data architecture that impacted on the delay of information exchange (interopability) between applications so that the requirements of the data will be difficult to fulfill.

Enterprise architecture is used to achieve alignment of information technology and business run by organization. Framework used in the design of the EA is TOGAF ADM. TOGAF ADM is a complex method that can meet all the requirements in the development of EA. This research focused on designing data architecture. In the design of data architecture used Mega Suite application to create diagrams in each phase.

The output of the data architecture is to produce a blueprint that can be used as a reference for the development of academic information systems to support the business strategy of IPDN.

Keywords: Enterprise Architecture, Data Architecture, TOGAF ADM, SIAKAD