

ABSTRACT

PLANNING AND DESIGNING E-UNIVERSITY ARCHITECTURE WITH ZACHMAN FRAMEWORK IN DOMAIN OF INTERNAL QUALITY ASSURANCE

The fast development of technology used in education field evoked the emergence of new concept regarding information technology utilization to intensify the quality of education in higher education. One of the concepts is the emergence of e-university. In Indonesia, the higher education shall have three main function widely known as Tri Dharma of University. This Tri Dharma of University consists of education, research and public service. In the implementation of Tri Dharma of University, support functions will be needed to ensure that the main function are implemented in accordance to the objective of the university. One of the support functions in internal quality assurance of higher education.

The implementation of e-university require carefully planned and designed architecture for each functions. The plan and design process need to be aligned to the direction of strategic development of university that were state in the vision of the university. Therefore, in order to help the architect to build the architecture of e-university, a framework will be needed. One of the framework that could be used is Zachman Framework. To build a system by using Zachman framework, a method that could be used to help the architect is Enterprise Architecture planning (EAP).

In this research, the architecture of e-university will be established by using the 3x3 matrix of Zachman framework. The process will be started with business modeling based on the result of survey to several universities. Afterwards, the data architecture, application architecture and technology architecture will be defined. The outputs of this research are IT blueprint of e-university and logical design of the system

Keyword: e-university, enterprise architecture, Zachman Framework, quality assurance.