

ABSTRACT

The higher education has primary function which is known as Tri Dharma of University, which consists of education, research and Public Service. In addition to the main function, the higher educational so has support functions such as student affairs, human resources, quality assurance, asset management and others. To ensure the quality of the graduate students are in accordance to the vision and missions of the university towards world class university; a system that is able to integrate those functions will be needed.. A good management, strategic planning and design will be needed to attain a good information system for higher education. One of the parameters to achieve world class university is the research and service activities functions. It is necessary to develop a system that support the activities that are related with research and public service.

Planning and designing e-University Architecture using Zachman Framework for Research and Public Service domain is one of the solution to build a generic system for university. Planning and architectural design using 3 rows 3 columns in the Zachman Framework, which includes methodologies therein Enterprise Achitecture Planning(EAP) which is located on the top 2 rows 3 columns in theZachman Framework.

The results of the planning and design will be obtained in a form of blueprints of contextual architecture summarized in an IT alignment, conceptual architecture planning business mode lin the form of e-university, the architecture of the datain the form of a matrix mapping the data to the business function and organization, Entity Relationship Diagram models, architectural applications such as mapping application and a description of the required application, and cloud computing and virtualization concept to be used in the e-university.

Keywords: *planning, designing, Zachman Framework, EAP, blueprint, e-University*