

Abstract

Strategic information systems planning is a step to formulate a competitive advantage of resources that are already available on the companies, organizations, or institutions. In this case, the Topography Training Centre course institution seeks to formulate its competitive advantages, formulates new institution subdivision, and seeks to solve institution problem such as the distribution which was still conventional. The efforts were made by designing the strategy of the business and the utilization of information technology and information systems (IT/IS), so that business and IT/SI can run effectively. The strategic planning was designed in order to establish the institution excel in geomatics business.

The method were used to design strategies was *The Open Group Architecture Framework (TOGAF)* and *Architecture Development Method (ADM)* to facilitate the good design of business strategy and IT/IS for the institute courses. The phases were used in this method was *preliminary, requirement management, architecture vision, business architecture, information systems architecture, and technology architecture*. The *overall architecture maturity* from EA Scorecard reached 79.64% which indicates that architecture can be proceed to the implementation stage.

This research produced the strategic planning of information systems sugesstions and produce prototypes of applications that was designed to institution future opportunities.

Keywords: *Strategic Planning of Information Systems, The Open Group Architecture Framework, Architecture Development Method, Institution Course.*