

SKRIPSI

**PERENCANAAN *ENTERPRISE ARCHITECTURE E-
LEARNING* DI UNIVERSITAS NEGERI JAKARTA
MENGUNAKAN TOGAF ADM**



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ABSTRACT

AMELIA KUSUMANINGRUM, *Enterprise Architecture Planning of E-learning at Universitas Negeri Jakarta Using TOGAF ADM. Supervisor Hamidillah Ajie, S.Si., M.T., Dr. Widodo, M.Kom.*

The purpose of Enterprise Architecture (EA) planning is to produce a design that contains strategic information and determines the business, information, and technology needed for the organization to achieve its mission. Planning an EA requires a framework that can guide and assist planning. TOGAF (The Open Group Architecture Framework) is a flexible and open-source framework, which provides a detailed methodology and reusable architectural set. TOGAF's method is ADM (Architecture Development Method). EA planning using TOGAF ADM produces a blueprint that can be used as a guideline for Jakarta State University to achieve its goals. Currently, UNJ does not yet have a framework that can be used as a guide in building e-learning. This study aims to produce an enterprise architecture design for e-learning application at Jakarta State University. Planning using TOGAF ADM framework uses five stages. The preliminary phase is carried out to define architectural principles that are used as guidelines in enterprise architecture development. Architecture vision phase defines the organization profile and existing problems. In this phase, a value chain analysis will be carried out. The business architecture phase includes the current business architecture and the expected business architecture development. The result of this phase is BPMN which describes the activities. The information system architecture phase is the stage of defining data and application architecture. In the architecture technology phase, a proposed technology will be developed that can support the analysis carried out in the previous stage. The result of this research is a blueprint that contains guidelines for UNJ in developing e-learning using LMS Moodle.

Keywords: Enterprise Architecture, TOGAF ADM, e-learning, LMS, Moodle