ARCHITECTURE AND IMPLEMENTATION PLANNING
OF ACADEMIC CORPORATE PORTAL FOR HIGHER EDUCATION
(CASE STUDY: POLITEKNIK NEGERI MALANG)

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ABSTRACT

The process of administering higher education has been improved simultaneously with the development of information technology. Consequently, the implementation of information technology that supports that is quite needed. Therefore, this research was intended to design a web based academic portal corporate which was applied and supported the process of the administering higher education.

Nowadays, the practicality of the information technology in the higher education has not yet been optimally applied in promoting the education processes. In fact, there are so many educational processes that need the support of information technology, for instant discussion forum, students—teacher communication, collections of teaching materials, library, and so forth. Consequently, with this academic portal corporate, it is hoped that all of students and teachers’ activities to access available data, information, and knowledge are conducted much more easily. Moreover, within the support of the information technology, the information and communication distribution system can be done easily , and eventually the improvement of productivity and the education quality are successfully achieved.

This research applies Enterprise Architecture Planning methods and bottom-up approach. Furthermore, the result of the research was a system of architecture planning comprising the needs and the system specification in accordance with user’s needs and available infrastructure. The accountability study of the system architecture resulted was conducted to ensure the accountability of the implementation of the system, and afterwards the system implementation planning was designed.

Keywords : higher education, corporate portal, enterprise architecture, requirements analysis, system implementation planning