

## ABSTRACT

*Education is the main pillar of human resource development and the society of a nation. Education is expected to form human resources qualified and independent, as well as support and changes to communities, Nations, and countries, are realized by establishing educational institutions. In Indonesia, all residents are obligated to follow compulsory basic education for twelve years, six years in Elementary School, three years in junior high school (Middle School), and three years in high school/vocational) that have been regulated in Minister of Education and Culture Regulation 19 year 2016 of Indonesia Smart Program article 2. With this, the educational institutions in Indonesia keep increasing in number every year. Rampant growth of the institutions, making the rivalry against each educational institution that raises no evenly distributed given a quality of each institution. Therefore, institutions should take some strategies to achieve competitive advantage compared to its competitors. One way to get it with the design of the enterprise architecture so that the application of technology information aligned with the business needs of the institution and the operational activities of the institution can run optimally.*

*The design of the enterprise architecture on this research using methodology Enterprise Architecture Planning (EAP) as its planning. The results of this research in the form of an architectural blueprint that comprises the Virgin, application architecture, and architecture technology that can be used as runway improvements and the development of information systems at institutions in order to support the business functions.*

***Keywords: Education, Enterprise Architecture, Competitive Advantage, high school, Enterprise Architecture Planning, blueprint.***