

ABSTRACT

In the midst of economic development and information technology, all sectors of the field experienced significant developments, including the information technology infrastructure. With adequate technology infrastructure, it will certainly improve the quality system of a company or institution. Not apart from the field of education, the role of technology is very necessary, seeing at this time in the era of the pandemic, technology is very necessary in order to support interaction between fellow human beings but in its application investment in information technology infrastructure requires high costs, therefore it requires a way to stay sustainable. competitive and does not cost so much.

Therefore, Cloud Computing Technology can be used as a solution in reducing the cost of investment in technology infrastructure that is so large by carrying the concept of Infrastructure as a Service (IaaS) that can simplify the utilization of hardware resources by means of virtualization. In this way, educational institutions can save up to 90% of information technology infrastructure investment costs.

Keywords: Information Technology, IaaS, Cloud Computing, Education