

ABSTRACT

This research aims to analyze the level of technical efficiency of the government in the education sector at various levels of education in the former Pekalongan residency area. Efficiency value measurements were obtained using the Data Envelopment Analysis (DEA) analysis method. The assumption used is variable return to scale (VRTS) and is input oriented for technical cost efficiency (input oriented) and output oriented for system efficiency (output oriented). The results of the research show that Pemalang Regency, Pekalongan City and Tegal City are efficient both in terms of technical cost efficiency and technical syte, efficiency. Apart from these three regency/cities, they still show inefficient results at certain levels of education.

The biggest reason for inefficiency in technical cost efficiency is the large use of one of the inputs used in this research, whereas in system technical efficiency the biggest reason is because of the low output variable, namely school accreditation. terms of cost technical efficiency.

Keywords: Technical Eficiency, Education Sector Efficiency; Data Envelopment Analisys (DEA); variable return to scale (VRTS)