ABSTRACT

This study aims to analyze the effect of gross regional domestic product (GRDP) which is influenced by the construction of education infrastructure, health infrastructure, provincial roads, clean water, and hotels, lodging and restaurants in 35 districts and cities in Central Java Province in 2011-2017.

The data used in this study are panel data is a combination of data from 35 districts/cities in Central Java as a cross section and in 2011-2017 as a time series. Gross Regional Domestic Product (GRDP) is the dependent variable, while the independent variable used is the amount of education infrastructure, the amount of health infrastructure, the length of the provincial highway, the amount of clean water infrastructure, and the number of hotels, lodging and restaurants using the Random Effect Model (REM) approach because selected as the most appropriate panel data regression model.

The regression results partially state that the Gross Regional Domestic Product (GRDP) is significantly affected each with a positive direction by the amount of education infrastructure, the amount of health infrastructure, the length of the provincial highway, the amount of clean water infrastructure, and the number of hotels, lodging and restaurants. Simultaneously, the amount of education infrastructure, the amount of health infrastructure, the length of provincial highways, the amount of clean water infrastructure, and the number of hotels, lodging and restaurants all have a significant positive effect on Gross Regional Domestic Product (GRDP).

Keywords: *GRDP, education infrastructure, health infrastructure, provincial highways, clean water infrastructure, and hotel, accommodation and restaurants.*