

ABSTRAK

Penelitian ini bertujuan untuk mengetahui dan menganalisis kondisi panjang jalan mantap, kapasitas terpasang pembangkit listrik, anggaran Dana Alokasi Khusus Fisik bidang kesehatan, anggaran Dana Alokasi Khusus Fisik bidang pendidikan dan Produk Domestik Regional Bruto (PDRB) di Pulau Sumatera serta untuk mengetahui dan menganalisis pengaruh panjang jalan mantap, kapasitas terpasang pembangkit listrik, anggaran Dana Alokasi Khusus Fisik bidang kesehatan, anggaran Dana Alokasi Khusus Fisik bidang pendidikan dan Produk Domestik Regional Bruto (PDRB) di Pulau Sumatera. Penelitian ini menggunakan metode analisis deskriptif dan analisis kuantitatif. Alat analisis kuantitatif menggunakan regresi data panel dengan periode 2015-2023 dengan pendekatan *Fixed Effect Model*. Hasil penelitian ini menunjukkan infrastruktur jalan mantap tidak berpengaruh signifikan terhadap Produk Domestik Regional Bruto (PDRB) di Pulau Sumatera, sedangkan infrastruktur kapasitas terpasang pembangkit listrik, anggaran Dana Alokasi Khusus fisik kesehatan, anggaran Dana Alokasi Khusus fisik pendidikan berpengaruh signifikan terhadap Produk Domestik Regional Bruto (PDRB) di Pulau Sumatera.

Kata Kunci : Jalan, Listrik, Kesehatan, Pendidikan, Produk Domestik Regional Bruto (PDRB)

ABSTRACT

This research aims to determine and analyze the condition of the length of the steady road, the installed capacity of the power plant, the budget of the Physical Special Allocation Fund in the health sector, the budget of the Physical Special Allocation Fund in the education sector and the Gross Regional Domestic Product (GRDP) on the island of Sumatra and to determine and analyze the effect of the length of the steady road, the installed capacity of the power plant, the budget of the Physical Special Allocation Fund in the health sector, the budget of the Physical Special Allocation Fund in the education sector and the Gross Regional Domestic Product (GRDP) on the island of Sumatra. This research uses descriptive analysis and quantitative analysis methods. Quantitative analysis tool uses panel data regression with 2015-2023 period with Fixed Effect Model approach. The results of this study indicate that steady road infrastructure has no significant effect on Gross Regional Domestic Product (GRDP) on the island of Sumatra, while the installed capacity of power plants, the budget of the Special Allocation Fund for physical health, the budget of the Special Allocation Fund for physical education has a significant effect on Gross Regional Domestic Product (GRDP) on the island of Sumatra.

Keywords: *Road, Electricity, Health, Education, Gross Regional Domestic Product*