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An Econometric Analysis of Relationship between Electricity Consumption and Economic Growth in Turkey / Türkiye’de Elektrik Tüketimi ve Ekonomik Büyüme Arasındaki İlişkinin Ekonometrik Bir Analizi

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ABSTRACT

Energy is accepted as an important input for growth and industrialization. Increasing energy consumption that influences growth positive is important for foreign dependent country in energy. Energy consumption in Turkey that depends on industrialization and population, began to increase especially after 1980. It is seen that, the share of electricity in energy consumption gradually increasing. The aim of the study is to make an analysis of relationship between economic growth and electricity consumption in Turkey during 1980-2014. It’s seen that, there is positive relationship in longterm between electricity consumption and growth in the international studies. In this study, relationship between electricity consumption and GDP is going to analyzed for Turkey, by using unit root tests for stability, Johansen co-integration test for long-term analysis, Granger test for causality and VECM.

KEYWORDS Electricity Consumption; Economic Growth; Co-integration

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