

# Are Shocks To Energy Consumption Permanent Or Temporary? Case Of Turkey With Fourier Approach / Enerji Tüketimindeki Şoklar Kalıcı Mı Yoksa Geçici Mi? Fourier Yaklaşımı İle Türkiye Örneği

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## ABSTRACT

The aim of the study is to investigate whether the effect of this imbalance is temporary when there is any imbalance in energy consumption in Turkey. It is known Turkey has imported a large amount of the energy needs. Positive effects on the growth of the industrial sector are possible just with balanced energy markets. But for any reason energy sources can lose the balance. This study focuses on the question whether the energy markets arrive in the short term in the face of shocks back to the old level. In this context Fourier ADF ve Fourier LM unit root tests are used for Turkey for 1960-2014 periods. According to the analysis results of both tests, there are unit root and null hypothesis isn't rejected. Therefore, when encountered any shock in energy consumption, energy consumption will not return to the level of the old balance and will reach a new equilibrium point. Policy-makers are recommended to take necessary measures against the imbalance in energy consumption.

**KEYWORDS** Energy Consumption; Fourier Unit Root; Time Series

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