

INTISARI

PERUMUSAN GAYA DI EKONOMI DENGAN PENDEKATAN SISTEM PEGAS

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Pendekatan ekonomi secara neo-klasik menggunakan asumsi sistem bersifat statik atau berada pada kesetimbangan statis. Model-model berdasarkan pendekatan neo-klasik tidak bisa menjelaskan berbagai kuantitas di ekonomi yang bersifat dinamis seperti aliran produksi, aliran konsumsi dan harga barang. Agar dapat menjelaskan berbagai kuantitas di ekonomi yang bersifat dinamis maka perlu dibuat model terkait dinamika di ekonomi. Di ranah fisika, dinamika akan selalu terkait dengan gaya. Pada penelitian ini akan dikaji besaran-besaran di ekonomi yang terkait dengan harga pasar yang dapat dianalogikan dengan gaya pada sistem massa-pegas. Penelitian ini adalah pengulangan penelitian Mattie Estola 2019. Hasilnya bahwa gaya penggerak ekonomi adalah marginal kesediaan membayar konsumen, marginal biaya produksi produsen, dan perubahan harga barang. Penelitian menunjukkan pendalaman ekonomi menggunakan analog sistem pegas.

Kata kunci: sistem massa pegas, gaya, harga, pasar

ABSTRACT

FORMULATION OF FORCES IN ECONOMICS WITH A SPRING SYSTEM APPROACH

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The neo-classical economic approach uses the assumption that the system is static or in static equilibrium. Models based on the neo-classical approach cannot explain various quantities in the economy that are dynamic such as production flow, consumption flow and prices of goods. In order to explain various quantities in the economy that are dynamic, a model related to the dynamics of the economy needs to be created. In the realm of physics, dynamics will always be related to force. In this study, the quantities in the economy related to market prices will be studied which can be analogized to the force in the mass-spring system. This study is a repeat of the study of Mattie Estola 2019. The results show that the driving force of the economy is the marginal willingness to pay of consumers, the marginal cost of production of producers, and changes in the price of goods. The study shows the deepening of the economy using the analogy of the spring system.

Keyword: mass spring system, force, price, market