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AR-GE Harcamalarının Sektörler Arası İlişkiler Üzerine Etkisinin İncelenmesi/ Analyzing The Effects of the R&D Expenditures on the Inter-Industrial Relationships

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A B S T R A C T

The rapid developments in science and technology are extremely effective on economic and social structures of countries. Developed countries produce policies, which are consistent with the long-term objectives about science and technology. For this reason, many economies attach importance to the investment planning of research and development (R&D) activities. It is necessary not only keeping track of scientific and technological developments but also producing new technologies and transforming the developments into economic and social benefits. In Turkey, although there has been done strategic planning for the development in the field of science and technology in recent years, the investments seem insufficient on the international scale. In this study, the effects of R&D expenditures on the inter-industrial relationships are investigated by social network analysis dynamics with examining the intensity and the structure of the relationships in the case of using the current production techniques based on input-output tables, which reflect the technological structure of an economy at a given time. For this purpose, the industrial linkages evaluated comparatively between the economies Israel, Sweden, Japan

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