



## **The Study of Effective Factors on Technology Adoption: a Macroeconomic Approach**

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The transformation of new technology can greatly help agricultural and rural development. Some studies examine the effective factors on technology adoption with microeconomics aspect but previous researches rarely underline this issue from macroeconomic view. Therefore the aim of this study is the examination of the effect of macroeconomic variables on technology adoption. The results of the estimation of long-run relationship with Johansen co-integration test during period 1365-1386 showed trade liberalization, the rise of R&D expenditure and the improvement of term of trade have positive impact on technology adoption in agricultural and rural area.

**Key Words:** Agricultural development, technology adoption, rural development