

ABSTRACT

ESTIMATION OF AGRICULTURE EXPORT CONTRIBUTION IN INDONESIA ECONOMY

(Implementation of Simultaneous and Vector Autoregressive Model)

By :

Mamay Komarudin¹, Bustanul Arifin², dan Irfan Affandi²

Export is able to raise national income by adding to the value of domestic output, but they don't add to the value of domestic consumption. Export are goods produced at home and consumed abroad, agricultural export of Indonesia tend to increase year to year meanwhile the contribution is still under petroleum & gas and non petroleum & gas sector, government should have pay more attention and support in this sector.

The method used in this study is similar to previous studies which have hypothesis export leg growth or growth leg export. There are three aims of this research, these are (1) to analyze the influence of independent variables on export and growth of PDB's agriculture function, (2) to find the optimal lag of growth and export variation on independent variable variations, (3) to find causality relation patterns among variable in the growth function. Based on these aims, two estimation method were use in this research, i.e. two stage least square method (TSLS) and vector autoregressive (VAR). Simultaneous analysis using TSLS method produce result that export and capital have a positive influence to agriculture PDB growth meanwhile PDB, capital and real effective exchange rate (REER) have a positive influence to agriculture export growth. The results of this study by using Augment Dickey Fuller (ADF) method indicate that original data is nonstationer and stationary in 1st degree difference. For the purpose of this research, after conducting pattern of causality test can be concluded that there is no two way causality between PDB and agriculture export, it has only one way causality.

Key words: Pattern of causality that growth influence export, optimal lag

Remarks :

¹ (Master of Agriculture Economics/ Agribusiness Lampung University)

² (Proffesor & Lecture of Agriculture Economics/Agribusiness Lampung University)