# ANALYZE THE EFFECT OF A COCOA EXPORT TAX TO VOLUME EXPORT, THE AVAILABILITY OF DOMESTIC AND DOMESTIC PRICE OF INDONESIA COCOA BEANS

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## ABSTRACT

This study aims to: (1) analyze the effect of a cocoa export tax to volume of Indonesian cocoa export, (2) analyze the effect of export volume and export tax on domestic availability and effect domestic availability to price of cocoa beans. This study used secondary data from January 2009 to December 2012 (in units of time monthly). Analysis uses econometric models with simultaneous equations by the method of Two Stages Least Square (2SLS).

The results of the analysis shows that export tax has a negative relationship to the volume of export and domestic prices, and positively related to the domestic availability of cocoa beans. The volume of exports has a negative relationship to the domestic availability and also has a positive relationship to domestic prices.

In addition, the tax on export volume equation is also significantly affected by the production and the exchange rate, while previous export prices is not significant. On the domestic availability of the equation, it is influenced by the production, export volume, export prices and import prices, while imports have no significant effect. On the domestic price equation, it is influenced by domestic prices while the domestic variables production has no significant effect.

From the F-Test result of three models shows a larger value than the F-table and the coefficient of determination ($R^2$) is quite high. On the export volume equation, F-test value is 49.990 (49.990> 2.324) and the value of $R^2 = 0.851$. On the domestic availability equation, F-test value is 528.08 (528.08> 2.438) and the value of $R^2 = 0.987$. While the domestic availability equation F-test value is 23.66. (23.66> 2.589) and the value of $R^2 = 0.620$. The value of F-test shows exogenous variables in the equation are jointly able to give effect to the endogenous variables. While the value of the coefficient of determination in the equation shows most of the variation is explained by the variable endogenous able eksogennya

Key words: export taxes, export volume, the availability of domestic, domestic price.