

DECLARATION

**DETERMINANTS FOR CONTRIBUTION OF
PINEAPPLE GROWERS FOR EXPORT VOLUME IN
GAMPAHA DISTRICT**

A dissertation submitted to the
Faculty of Animal Science and Export Agriculture
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In partial fulfillment of the requirements for the award of
Bachelor of Science in Export Agriculture

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ABSTRACT

Pineapple is the third largest agricultural product after tea and coconut which has a demand in export market. Although the nature has blessed with an ideal climate for growing wide range of delicious fruits including pineapple, Sri Lanka is not in a position to meet the growing demand. Therefore, that is very important to study about the export performance of fresh pineapple in Sri Lankan context. The general objective of this study was to identify the determinants of contribution of pineapple growers for export volume in Gampaha district. A structured questionnaire based survey was carried out to collect the data from random sample of 130 pineapple growers in Dompe and Diulapitiya DS divisions in Gampaha district. Tobit model was used to find out the relationship between dependent variable and other explanatory variables, and descriptive analysis was used to explain the characteristics of the sample. The result of tobit model revealed that the contribution of pineapple growers for exports of pineapple was significantly determined by the age of grower, experience of the grower, pineapple cultivated land extent, amount supply for local market, domestic price and export price. The specific objectives of this study were to study the past export performance of fresh pineapple since 1990 to 2012 in Sri Lanka and to develop the forecasting model and the generalized model for fresh pineapple exports in Sri Lanka. Those were achieved using secondary data which has been taken as time series. Under the specific objectives the past performance of fresh pineapples since 1990 in Sri Lanka was examined using a graph drawn with times in years from 1990 to 2012 versus export of pineapple in kilograms. There was an upward trend from 1990 to 2004 and trend was declined from 2004 to 2012 with some fluctuations. The other specific objective was to develop the forecast model for future forecast and the generalized model for current situation analysis for fresh pineapple exports in Sri Lanka. Vector Autoregressive Model (VAR) was used to develop the forecast model following major steps namely Lag selection, Johansen Cointegration and Vector Error Correction Model. Generalized model was developed without considering the time factor and taking natural logarithm values of secondary data. The result was revealed that the export of fresh pineapple was significantly determined by the average exchange rate and the domestic price.

Key Words: Export of pineapple, Tobit model, VAR model, Vector Error Correction

Model, Johansen Cointegration test