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IMPACT OF MAIZE IMPORT TARIFF POLICY CHANGES ON PRODUCTION AND CONSUMPTION IN INDONESIA: A MULTIMARKET MODEL ANALYSIS

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Abstract

The purposes of this study is at analyzing the impact of maize import tariff policy changes on production and consumption in Indonesia. Three groups of households were assessed in this study, namely: (1) large scale broiler farming, (2) small scale broiler farming, and (3) other households. Employed data in this study were classified into 3 types: (1) production and input, consumption, and household income, (2) inputs and outputs, and (3) elasticities. The abolishment of the import tariff policy on maize had an impact on increased maize imported and decreased maize price. Decreased domestic maize price was responded by maize farmer through lessening maize planted area and fertilizer input uses that had impact on the declining in maize production. On the other hand, this policy had positive impact on production of rice, chicken meat, and eggs which led to increase incomes of small scale broiler farming and agricultural sector, as well as national. It furthermore increased the consumption for maize, chicken meat, and eggs in Indonesia.

Key words: Maize, import tariff, production, consumption, multimarket

1. Introduction

Consumption rates of meat and eggs tend to increase from year to year. Meat consumption in 2010 increased by 10.42 percent compared with 2009 from 6.29 kg/capita/year to 6.95 kg/capita/year. The same condition was found for eggs consumption, in which it increased by 13.24 percent compared with 2009 (Bureau of Food Security of Ministry of Agriculture, 2012). The fact showed that the demand for meat and eggs continuously increasing has triggered efforts to produce more meat and eggs.

The sustainability of broiler farming business is to some extent determined by the changes in the prices of inputs and outputs. The changes in input prices affect on the decisions of inputs allocation and production by small scale broiler farming. In other words, the amount of chicken meat production depends on the changes in feed prices. The changes

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