

Integrated Farming Barns as a Strategy for National Food Security

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Abstract : The agricultural sector is one of the sectors that contribute to national development. The benefit of the agricultural sector can be felt directly by the majority of Indonesian people. Indonesia is one of the agricultural countries and most of the people working in the agricultural sector. Hence, the agricultural sector's become the second sector which has contributed greatly to the growth of Gross Domestic Product (GDP) after the manufacture sector. Based on the National Medium Term Development Plan (RPJMN) from 2015 to 2019, one of the targets to be achieved by the Indonesian government is rice's self-sufficient. Rice is the main food commodities which as most people in Indonesia, and it is making Indonesian government attempt self-sufficient in rice. Indonesia as an agricultural country becomes one of the countries that have a lower percentage of food security than other ASEAN countries. Rice self-sufficiency can be created through agricultural productivity and the availability of a market for the output. There are some problems still to be faced by the farmers such as farmer exchange rate is low. The low exchange rate of farmers showed that the level of the welfare's Indonesian farmers is still low. The aims of this paper are to resolve problems related to food security and improve the welfare of the national rice farmers. The method by using materials obtained from the analysis of secondary data with the descriptive approach and conceptual framework. Integrated Farmers barn raising rice production is integrated and managed by the government coupled with the implementation of technology in the form of systems connected and accessible to farmers, namely 'SIBUNGTAN'.

Keywords : agriculture, self-sufficiency, technology, productivity

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