

Role of Agriculture Equipment toward Food Security: Case Study of Agriculture Equipment Assistance during President Joko Widodo Era in Indonesia

Authors : Raihan Zahirah Mauludy Ridwan, Frisca Devi Choirina

Abstract : Indonesia is an agrarian country endowed by fertile soil, supportive weather, and natural resources which can support agricultural activities. There are commodities which produced by local farmers. Even though Indonesia had commodities, it still imports stocks of staple food. To reduce the dependency on imported staple food, President Joko Widodo wants to generate more locally-produced staple food by giving 69.000 tractors, free seeds, and fertilizers to the local farmers. In Indonesia, the problem revolves around the amount of food production especially rice derived from farmers who cannot afford technologies which can support the agricultural activities. Moreover, they cannot afford seeds and fertilizers which can make the production of commodities more effective and have high quality. Therefore, the paper would like to answer how agriculture equipment assistance during President Joko Widodo era can give significant impact towards food security. The purpose of this paper is to explore the role of agriculture equipment assistance and its impact towards Indonesia's food security. This paper uses Boserup and Ruthenberg theory of agricultural intensification to link agriculture equipment and intensification of production which in the end will have impact towards food security through case study method. The paper affirms that the role of agricultural equipment assistance toward food security in Indonesia is significant toward Indonesia's food production and security.

Keywords : agricultural equipment, agricultural intensification, Boserup, Indonesia, Joko Widodo, Ruthenberg

Conference Title : ICFSN 2019 : International Conference on Food Security and Nutrition

Conference Location : Rome, Italy

Conference Dates : January 17-18, 2019