Indonesian Food Security Assessment

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Background

In 2008, up to 38 million Indonesian lived under poverty. Food supply in some parts of Indonesia up to today is still insecure. Most people rely on their own crops harvest. With stagnating agriculture productivity, many people are unfavourably affected. But the national food production data actually shows contradictive figures. Recent statistics show that from 1999 to 2006, total Indonesian food production is stable between 50-57 million tons annually. While the total consumption is much lower at only 32.7 million tons, assuming per capita consumption is 141 kg annually. Therefore, it can be safely assumed that food insecurity in some parts of Indonesia is caused by other factors than insufficient

production and Method

This literature review looked for the potential causes of Indonesian food insecurity in the household level. There is an abundance of statistical data from Indonesian government, Food and Agriculture Organisation and World Food Programme that is sufficient to create preliminary assumption of the potential factors contributing to food insecurity in Indonesia.



Fig.1. Indonesian food security Source: Author

Result



Fig. 2 Local knowledge and food culture in West Sumatera, Indonesia



Fig.3 Landscapes of agriculture in West Sumatera, Indonesia Source: Author

On the production level, the potential factors of food insecurity are arable land due to alteration to other purposes than agriculture, long drought season and flood due to the climate change, availability of seed, plant protection and natural catastrophes. On the distribution level, there is a high price disparity between consumers and farmers due to the lack of distribution policy, low transparency of food production and inadequate transportation systems. Furthermore, low post harvest technology decreases the quality and the quantity of the commodity. On the consumption level, low accessibility of food caused by poverty and undesirable dietary pattern stemming from the food culture. The result of Desirable Dietary Pattern (DDP) study shows that the demand of cereals is still high. Even though Indonesians has sluggishly changed their food consumption proportion and energy intake from mainly cereals to include more oil and fat in the diet, resulted an increase in daily calorie consumption from 66.2 to 71.8 (DDP score) between 1993-2002, this may not reflect an increase in animal products consumption since Indonesians consume a lot of fried foods. Therefore further research was conducted to look for the possibilities of indigenous knowledge utilisation in reaching adequate nutritional levels.

Conclusion

Further research was conducted in Minangkabau (West Sumatra) Indonesia, as a case study, to study further the potential of indigenous knowledge and food culture development in reaching adequate nutritional intake (food security in household).

Iterature:

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