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## Relationship between nutritional status, health status, food consumption and lifestyle to work productivity of cocoa farmer in Polewali Mandar, West Sulawesi

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Labor from agricultural sector is the largest labor force in Indonesia, which reached 32.61% of Indonesian total labor force, but the agricultural sector only contributed 14.43% of total GDP. This condition indicates that work productivity in agriculture sector is low. Cocoa is one of the leading commodities in plantation sub sector. Cocoa development has a potential part in the economy development and contributes as the third largest Indonesia's foreign exchange after palm oil and rubber. One of the ways to improve the productivity of cocoa is give an attention about the good nutrition and good health of the cocoa farmer. Nutrition and health status have been widely known as a factor to improve work productivity of farmers. The subjects of this study were male cocoa farmers in two districts of Polewali Mandar, West Sulawesi, Indonesia aged 18-65 years old. Data collected by interview with questionnaire and measured directly for anthropometry status. The result of this study shows that there is no relationship between nutritional status, food consumption and lifestyle to work productivity, but there is a relationship between health status (blood pressure) and amount of cocoa picked per day (kilograms) and also health status (central obesity) and number of absent day to plantation due to sick. Besides that, there is no relationship between poor diet and health status (hypertension and central obesity) in male cocoa farmers. In this study, variables that influence the hypertension are exercise (OR: 3.836), genetic (OR: 312) and smoking habit (OR: 0.206). Then, variables that influence the central obesity are energy adequacy (OR: 9.64), exercise (OR: 5.0) and protein adequacy (OR: 1.58).

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