

TECHNOLOGY-BASED INTEGRATED FARMING PROGRAM ASSISTANCE IN IMPROVING FOOD SECURITY IN SENDANGSARI VILLAGE

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ABSTRACT

This Community Service Program (PkM) is a training and mentoring program in order to participate in the success of the Sendangsari village in running the Independent Village Pilot program. This PkM activity aims to assist the Sendangsari village in developing goat farms that have been integrated with agriculture. Livestock utilizes technology, both in the cultivation of forage forage and processing of animal feed. In addition, the planting of superior rice of local varieties Melati Menoreh which is abbreviated as "Menor" is also carried out as an effort to cultivate, preserve and breed superior rice of local varieties. PkM is held from April to d. October 2022. The strategy for implementing the activities is carried out by providing material through comparative studies, training/workshops and focused discussions. A comparative study was carried out to the Bhumi Nararya Farm and the Pangestu Cattle Group in the Turi sub-district, Sleman district. The training/workshop was held 3 times in collaboration with the Department of Agriculture and Food Security, Kulon Progo Regency and DIY Province, with the materials (1) Food Security (2) Characteristics of Menor Rice (3) Making Organic Fertilizer. The result of the Comparative Study program is the implementation of comparative studies and increasing knowledge of the Sendangsari village officials and prospective breeders related to goat farming and goat husbandry management. The training and workshop on food security succeeded in planting 20ha of superior rice of the local variety 'Menor' well, although some of the rice plants collapsed on the eve of harvest due to rain and strong winds. Based on the implementation satisfaction questionnaire, a score of 3.95 was obtained which means very satisfied with the implementation of PPM.

Kata Kunci: *Integrated Farming, Food security*