

TRAINING ON THE USE AND MAINTENANCE OF TECHNOLOGY FOR ANIMAL HUSBANDRY IN KALURAHAN SENDANGSARI

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ABSTRACT

In 2022 Sendangsari Village received Special Financial Assistance funds to be used for Food Independence programme and Cultural programme activities. The Food Self-Sufficiency programme is manifested in the planting of superior rice of the local variety Melati Menoreh (Menor) covering an area of 40ha, the construction of the Mataraman granary concept in the form of the construction of a rice mill unit (RMU) and the construction of goat farms. The RMU has been installed, although it was only in January 2023 that the RMU unit was tested. From the results of the trial there were several problems, namely the engine sounded rough, there were oil seepage, thick smoke, the filling system did not work properly, the grinding unit was not working optimally (twice the milling machine components broke). Livestock cages have been successfully realised and by the end of 2022 after the FMD outbreak has passed, the cages will be filled with livestock, but livestock management is not yet optimal. Provision and feeding still do not use good nutritional value calculations. Green fodder is also still given directly without processing, so much of it is inedible and wasted, even though a grass chopper or choper is available, but has not been utilised. The provision of HPT is also still very limited, and tends to be late in provision, because the livestock is already there but not much preparation for planting HPT. The purpose of the service activity is to increase the empowerment of partners, namely RMU operators and Sendangsari village farmers. Activities also involve students, so students are expected to gain experience outside the campus. In addition, the main activity objective is the implementation of lecturers' activities outside the campus and the results of lecturers' work are used by the community.

Based on these conditions, the service team continued community service in 2023 with operational training and periodic maintenance of RMU for operators and provided training on the use and maintenance of technology for goat farms in Sendangsari village. RMU operator training is conducted semi-privately because there is only one operator. Meanwhile, training on the use and maintenance of technology for animal husbandry was conducted in a one-day workshop, 4 hours of theory and 4 hours of hands-on practice. The technology trained is silage and fermented feed preparation, which begins with chopping Green fodder with a chopping machine, processing silage, processing fermentation and doing machine maintenance. The results of PkM Dosen Berkegiatan di Luar Kampus are the implementation of RMU machine maintenance training. In addition, workshops and or training on the use of grass choppers with machines, maintenance of grass chopping machines and continued to make silage and fermentation, with 24 participants. After two weeks of the manufacturing process, the silage and fermented feed was opened and optimal results were obtained. Silage and fermentation of HPT were successful. The satisfaction of the PkM target community was good, scoring 3.9 on a maximum scale of 4. The part that received less feedback was related to the length of implementation time and implementation schedule. This was due to the busy schedule of each party.

Kata Kunci: *Use of Technology, Livestock Technology, Silage, Fermentation*