

DEVELOPMENT OF AN INTEGRATED FARMING MODEL IN BALI ISLAND WITH EFFECTIVE MICROORGANISMS

G N Wididana and T Higa

Indonesian Kyusei Nature Farming Societies, Jakarta, Indonesia

University of the Ryukyus, Okinawa, Japan.

A model farm was established to disseminate the technology of Effective Microorganisms (EM) in Indonesia. This farm is managed by many state organizations, and will be used for training farmers in the technology of EM, integrated farming, rural development and farm management, based on nature farming systems. The model farm integrates crops, livestock and fish. Many perennial and annual crops have been grown on the farm, which also has poultry, swine and goats under organic systems, not using any chemicals. The organic fertilizers derived from crops and animals are fermented with EM and either used as manures or animal feed. The waste water is also treated with EM and reused for cleaning purposes or for irrigation. The study illustrated that costs of production could be reduced significantly while reaping greater profits. The benefits of this farm in promoting nature farming in Indonesia and the region is highlighted.



EM

