

Certificate

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This is to certify that

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has contributed on The 3rd International Conference on Security in Food, Renewable resources, and Natural Medicines 2019 (SFRN 2019)" as

Poster Presenter

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West Sumatra, Indonesia

Director of Payakumbuh State
Polytechnic of Agriculture



(Ir. Elvin Hasman, MP)

Conference Chair

SFRN 2019



(Fithra Herdian, STP,MP)

Security in
food,
renewable
resources,
and
natural
medicines



hosted by,
Politeknik Pertanian
Negeri Payakumbuh
co-Hosted by,
Universitas Andalas
(UNAND)



Keynote & Invited Speaker from,





COMMUNITY PARTNERSHIP PROGRAM: BEEF CATTLE BUSINESS GUNUANG MEDAN VILLAGE DHARMASRAYA REGENCY

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INTRODUCTON

This program was conducted in Dharmasraya regency with th Sitiung Farm beef cattle business as partner. The problem of this company are waste management and difficulties to obtain alternative cattle feed.

METHODOLOGY

1. Agriculture extension: in this approach we motivate farmers to process waste to become organic fertilizer
2. Demonstration: Process of organic fertilizer facility installation, Process of using the shredding machine, and the process of straw fermentation.
3. Supervision: The packaging and marketing process of organic fertilizer.

RESULTS

Farmers are capable of making organic fertilizer by utilizing the given facilities with the capacity of production 750 Kg. Three production process can be conducted per month with accumulative result of 2 tonnes. In marketing, the organic fertilizer product is packed in 10 Kg Sacks, with label DHA 19 super. The price for each pack is IDR 15.000. Farmers can produce alternative cattle feed with waste material; straw fermentation. It can substitute the use of freshly-cut grass by 10 percent.

CONCLUSIONS

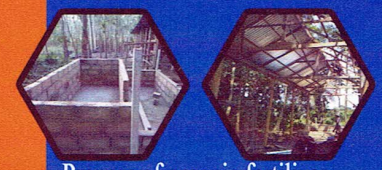
1. This partnership program can help the farmers to increase their income by utilizing waste material. The estimate additional income derived from the selling 200 sacks of organic fertizer x IDR 15.000, equal to approximately IDR 3.000.000 per month.
2. The straw fermentation cannot fully substitute the use of freshly- cut grass as cattle feed.



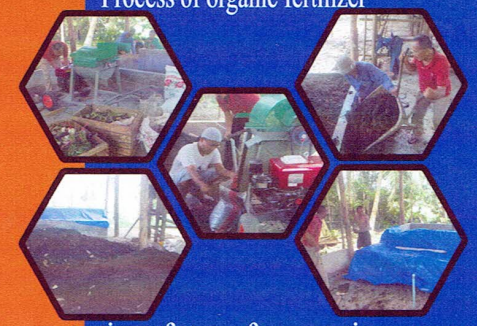
Discussion with partner farmers



The installation process of organic fertilizer facility



Process of organic fertilizer



Demonstration of straw fermentation process



Packaging and marketing process

