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INTRODUCTION

Estimated around 90 million ton of lignocellulosic biomass, including empty fruit bunches (EFB) and oil palm trunks are produced by Malaysian Palm Oil Industry (POME). The worrying impact on social and ecology of palm oil on conservation of nation's property as backwoods cover have been taken by the government to confine the palm oil plantation extension in 2010. The utilization of palm oil emanating for domesticated animals shown advantageous outcomes from palm oil effluent supplements. The crude or concentrated palm oil effluent emanating can be retained on cassava supper, dried grass or palm kernel cake and produced into dried feed cake. The POME components are assumed sustainable in deciding the utilization of POME as an animal feed source for poultry in Malaysia.

OBJECTIVES

- ❖ To evaluate the POME effectiveness as animal feeder for poultry
- ❖ To study the effects of using POME as animal feed to the environment.

TECHNICAL ELEMENTS

- ❖ Effective amount of POME to be used in poultries' diet.
- ❖ Environmental problem solving by using waste product of palm oil mill.

NOVELTY

- ❖ Environmental-friendly product
- ❖ Product from natural raw material (palm oil mill effluent)
- ❖ Effective way to reuse waste of palm oil production

USEFULNESS

- ❖ Alternative animal feed source for poultries
- ❖ Provide additional nutrients as supplementary food diet
- ❖ Expand feed productivity of animals

MARKET POTENTIAL

- ❖ Commonly accessible and used by local industry
- ❖ Low cost of feed compared to imported animal feeder
- ❖ Sustainable production of animal feeder
- ❖ Widely used worldwide as alternative raw material

COMMERCIALISATION

POME is an alternative dietary for poultry. It is packed with additional nutrients for poultries consumption. POME as animal feeder is proven not to have negative side effects towards the poultries, contrarily, expanding the productivity of feeding. The market of POME as animal feeder has higher potential to be imported worldwide as production of raw material is low cost and provide better nutrients as for supplementary diet. This raw material has high potential usage as animal feeder for poultries as the demand been increasing in Malaysia and international for the recent years.



Figure 1: Empty Fruit Bunch (EFB)



Figure 2: Palm Kernel Cake



Figure 3: Palm Oil Mill Effluent (POME)



Figure 3: Process of Palm Oil Mill Effluent (POME) animal feeder