

## **ABSTRACT**

### **PE DOE SELECTION BASED ON DOE PRODUCTIVITY INDEX ON WEAN WEIGHT IN DADAPAN VILLAGE, SUMBEREJO SUBDISTRICT, TANGGAMUS MUNICIPAL**

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Doe productivity index (DPI) on wean weight refers to doe capability to wean kid in specific weight per year. So it's parameter could be used as selection tool to find the best doe as maternal resource. On that purpose, record of 30 PE doe in Dadapan Village, Sumberejo Subdistrict Tanggamus Municipal, Lampung Province, were evaluated to determine doe productivity index. Evaluation were done in 28 October – 28 November 2013, which are included data ; Doe age. Kid born weight, Type of offspring, and corrected weaning weight. Parameters involved are: average wean weight (AWW), most probable producing ability (MPPA), reproduction efficiency (RE), and doe productivity index (DPI), respectively.

Data calculation show that AWW (kg), MPPA (kg), RE (%), and DPI (kg) are:  $22,75 \pm 1,94$  kg;  $22,75 \pm 0,15$  kg;  $94,78 \pm 8,80\%$ , and  $21,56 \pm 1,97$  kg, respectively. On the other side, the best five DPI were resulted by doe Q1 (26,66 kg), H1 (26,52 kg), O2 (24,23 kg), J1 (24,06 kg), and A1 (24,03 kg).

Key words: wean weight, most probable producing ability, reproduction efficiency, and doe productivity index.