

**KINERJA PERTUMBUHAN BABI PERIODS *GROWING-FINISHING*  
PADA SISTEM KANDANG DM7 JENIS KELAMIN  
YANG BERBEDA**

Oleh :

**John Charles Liborang**

**INTISARI**

Penelitian ini bertujuan mengetahui pengaruh pengaturan sistem kandang dan pemisahan jenis kelamin terhadap kinerja pertumbuhan babi periode *growing-finishing* yang dipelihara secara penggemukan. Sebanyak 8 ekor babi peranakan Landrace dibagi secara acak menjadi dua kelompok perlakuan. Kelompok pertama ditempatkan dalam kandang kelompok dan kelompok II ditempatkan dalam kandang individu. Pakan yang digunakan terdiri dari campuran konsentrat formulas ditambah makanan sisa rumah makan dan ampas tahu serta ditambah air kemudian dihomogenkan selanjutnya diberikan dalam keadaan basah (*comhoran*). Data yang diambil meliputi suhu, kelembaban kandang, data fisiologis babi, konsumsi pakan, penambahan bobot badan harian, konversi pakan dan *feed cost/gain*. Data Pertambahan bobot badan dianalisis variansi pola faktorial (2 x 2). Rerata suhu dan kelembaban kandang selama penelitian sebesar  $27,65 \pm 0,54$  °C dan  $74,01 \pm 0,53$  dengan rata-rata respirasi, pulsus dan temperatur rektal berturut-turut  $37,60 \pm 0,23$  kali/menit;  $79,95 \pm 0,26$  kali/menit dan  $39,00 \pm 0,08$ °C. Rerata konsumsi BK dan PK selama penelitian berturut-turut sebesar  $2,21 \pm 0,54$  dan  $0,32 \pm 0,078$  pada kandang kelompok serta  $2,19 \pm 0,62$  dan  $0,31 \pm 0,075$  kg/ekor/hari pada kandang individu. Pertambahan bobot badan harian dan konversi pakan berturut-turut  $0,45 \pm 0,085$  dan  $5,43 \pm 2,20$  pada kandang individu dan untuk kandang kelompok  $0,46 \pm 0,081$  dan  $5,39 \pm 1,52$ . *Feed Cost/Gain* Rp.  $4143 \pm 1550$  kandang kelompok dan dan Rp.  $3999 \pm 1264$  kandang individu. Pertambahan bobot badan harian menunjukkan perbedaan yang tidak nyata. Sehingga dapat disimpulkan bahwa kinerja pertumbuhan babi tidak menunjukkan perbedaan yang nyata pada perlakuan sistem kandang dan jenis kelamin, semakin lama proses penggemukan PBBH (pertambahan bobot badan harian) semakin menurun diikuti penurunan efisiensi pakan dan *feed cost/gain*.

Kata kunci : Kinerja pertumbuhan, *Growing-finishing*, Sistem kandang, Jenis Kelamin.

**GROWTH PERFORMANCE OF GROWING-FINISHING PERIOD PIG OF  
DIFFERENT SEX UNDER DIFFERENT PEN MANAGEMENT**

**John Charles Liborang**

**ABSTRACT**

The research was conducted to investigate the present of finding out the effect of pen management and sex separation of pig of growing-finishing period for fattening purposes. Eight Landrace pigs were randomly allocated into two groups. Pigs of the first group were put in collective pen, while those of the second were keep in individual pen. Animals were fed with mixture of formulated concentrates supplemented with homogenized waste from restaurant, solid waste from soycake production and water. Feed was given as sludge. Data recorded were temperature, pen humidity, pig physiological data feed consumption, daily gain weight, feed conversion, and feed cost/gain. Data on gain weight were subjected to an analysis of variance of 2 x 2 factorial experiment. Mean temperature and pen humidity during the course of the study were  $27.65 \pm 0.54^{\circ}\text{C}$  and  $74.01 \pm 0.53$ , while means of respiration, pulsus, and rectal temperature were respectively  $37.60 \pm 0.23$  times/minute,  $79.95 \pm 0.26$  times/minute, and  $39.00 \pm 0.08^{\circ}\text{C}$ . Mean of BK and PK consumption during the course of the experiment were  $2.21 \pm 0.54$  and  $0.32 \pm 0.078$  for collective pen, while those of individual pen, and  $0.46 \pm 0.081$  and  $5.39 \pm 1.52$  for collective pen. Feed cost/gain was Rp. 4,143  $\pm$  1,550 for collective pen and Rp. 3,999  $\pm$  1,264 for individual pen. Daily gain weight of both pen system was similar. It could be concluded that pig growth performance was similar for both pen system and sex. With longer fattening period, daily body gain weight decreased, followed in similar fashion with the decreasing feed efficiency and feed cost/gain.

Key words: Growth performance, Growing-finishing, Pen system, Sex