

PENGARUH BANGSA DAN JENIS KELAMIN TERHADAP PERTUMBUHAN ANAK BABI DARI LAHIR HINGGA UMUR DELAPAN MINGGU

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh bangsa dan jenis kelamin terhadap pertumbuhan anak babi dari lahir hingga umur delapan minggu. Penelitian dilakukan dari bulan April hingga Juli 2011. Variabel yang diamati meliputi *litter size*, bobot lahir, bobot sapih, ADG dan mortalitas prasapih, bobot anak babi umur delapan minggu serta ADG dan mortalitas pascasapih serta konsumsi bahan kering dan protein kasar. Data yang diperoleh diuji dengan *One Way Anova* dan RCB (Randomized Completely Blok Design), *blocking* dilakukan terhadap jenis kelamin. Hasil penelitian menunjukkan rata-rata *litter size* Landrace dan Yorkshire $12,25 \pm 1,31$ ekor dan $10,50 \pm 1,19$ ekor; bobot lahir Landrace dan Yorkshire $1,72 \pm 0,46$ kg dan $1,88 \pm 0,38$ kg, anak babi jantan dan betina $1,91 \pm 0,48$ kg dan $1,71 \pm 0,36$ kg; bobot sapih Landrace dan Yorkshire $6,91 \pm 1,30$ kg dan $5,95 \pm 1,18$ kg, anak babi jantan dan betina $6,61 \pm 1,34$ kg dan $6,33 \pm 1,32$ kg; bobot anak babi umur delapan minggu Landrace dan Yorkshire $15,83 \pm 2,99$ kg dan $14,12 \pm 2,03$ kg, anak babi jantan dan betina $15,11 \pm 2,92$ kg dan $14,94 \pm 2,54$ kg; ADG prasapih Landrace dan Yorkshire $0,18 \pm 0,04$ kg/ ekor/ hari dan $0,14 \pm 0,04$ kg/ ekor/ hari, anak babi jantan dan betina $0,17 \pm 0,05$ kg/ ekor/ hari dan $0,16 \pm 0,04$ kg/ ekor/ hari; ADG pascasapih Landrace dan Yorkshire $0,32 \pm 0,07$ kg/ ekor/ hari dan $0,28 \pm 0,05$ kg/ ekor/ hari, anak babi jantan dan betina $0,30 \pm 0,07$ kg/ ekor/ hari dan $0,29 \pm 0,06$ kg/ ekor/ hari; mortalitas prasapih Landrace jantan, Landrace betina, Yorkshire jantan dan Yorkshire betina 14,29 %, 18,52 %, 11,11 % dan 16,67 %; mortalitas pascasapih 0 %. Konsumsi bahan kering Landrace dan Yorkshire $46,20 \pm 8,84$ g/ kg $BB^{0,75}$ / hari dan $51,57 \pm 8,82$ g/ kg $BB^{0,75}$ / hari, anak babi jantan dan betina $48,29 \pm 9,34$ g/ kg $BB^{0,75}$ / hari dan $49,13 \pm 9,13$ g/ kg $BB^{0,75}$ / hari; konsumsi protein kasar Landrace dan Yorkshire $6,92 \pm 1,32$ g/ kg $BB^{0,75}$ / hari dan $7,72 \pm 1,32$ g/ kg $BB^{0,75}$ / hari, anak babi jantan dan betina $7,23 \pm 1,40$ g/ kg $BB^{0,75}$ / hari dan $7,36 \pm 1,37$ g/ kg $BB^{0,75}$ / hari. Berdasarkan hasil penelitian yang telah dilakukan dapat disimpulkan bangsa berpengaruh terhadap pertumbuhan anak babi dari lahir hingga umur delapan minggu sedangkan jenis kelamin tidak berpengaruh terhadap pertumbuhan anak babi dari lahir hingga umur delapan minggu.

(Kata kunci : Anak babi, Landrace, Yorkshire, Pertumbuhan)

THE INFLUENCE OF BREED AND SEX TO THE GROWTH OF PIGLETS FROM ITS BIRTH TO EIGHT-WEEK AGE

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ABSTRACT

The aim of this research was to determine the influence of breed and sex to the growth of piglets from its birth to eight-week age. The research doing in April until July 2011. The variables which was observed consists of litter size, birth weight, weaning weight, ADG and mortality pre-weaning, eight-week age weight, ADG and mortality post-weaning, dry matter intakes and crude protein intakes. The obtained data was tested by One Way Anova and RCBD (Randomized Completely Blok Design). The result of the experiment showing the average of the litter size of Landrace and Yorkshire 12.25 ± 1.31 head and 10.50 ± 1.19 head; birth weight of Landrace and Yorkshire 1.72 ± 0.46 kg and 1.88 ± 0.38 kg, male and female piglets 1.91 ± 0.48 kg and 1.71 ± 0.36 kg; weaning weight of Landrace and Yorkshire 6.91 ± 1.30 kg and 5.95 ± 1.18 kg, male and female piglets 6.61 ± 1.34 kg and 6.33 ± 1.32 kg; eight-week age weight of Landrace and Yorkshire 15.83 ± 2.99 kg and 14.12 ± 2.03 kg, male and female piglets 15.11 ± 2.92 kg and 14.94 ± 2.54 kg; ADG pre-weaning of Landrace and Yorkshire 0.18 ± 0.04 kg/ head/ day and 0.14 ± 0.04 kg/ head/ day, male and female piglets 0.17 ± 0.05 kg/ ekor/ hari and 0.16 ± 0.04 kg/ head/ day; ADG post-weaning of Landrace and Yorkshire 0.32 ± 0.07 kg/ head/ day and 0.28 ± 0.05 kg/ head/ day, male and female piglets 0.30 ± 0.07 kg/ head/ day and 0.29 ± 0.06 kg/ head/ day; pre-weaning mortality of Landrace male, Landrace female, Yorkshire male and Yorkshire female 14.29 %, 18.52 %, 11.11 % and 16.67 %; post-weaning mortality 0 %. Dry matter intakes of Landrace and Yorkshire 46.20 ± 8.84 g/ kg $BB^{0.75}$ / day and 51.57 ± 8.82 g/ kg $BB^{0.75}$ / day, male and female piglets 48.29 ± 9.34 g/ kg $BB^{0.75}$ / day and 49.13 ± 9.13 g/ kg $BB^{0.75}$ / day; crude protein intakes of Landrace and Yorkshire 6.92 ± 1.32 g/ kg $BB^{0.75}$ / day and 7.72 ± 1.32 g/ kg $BB^{0.75}$ / day, male and female piglets 7.23 ± 1.40 g/ kg $BB^{0.75}$ / day and 7.36 ± 1.37 g/ kg $BB^{0.75}$ / day. According to the result of the experiment, can be concluded that breed had influence to the growth of piglets from its birth to eight-week age and sex no had influence to the growth of piglets from its birth to eight-week age.

(Key words: Piglet, Landrace, Yorkshire, Growth)