

**PENGARUH PARITAS INDUK BABI LANDRACE TERHADAP
PERTUMBUHAN ANAK PRASAPIH DI CV. ADHI FARM,
JATEN, KARANGANYAR, JAWA TENGAH**

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh paritas induk babi bangsa Landrace terhadap pertumbuhan anak prasapah. Penelitian di CV. Adhi Farm Kecamatan Jaten Kabupaten Karanganyar Provinsi Jawa Tengah dilaksanakan pada bulan November 2014 hingga Januari 2015. Data diambil dari 18 ekor induk babi Landrace dan 201 anak babi, dari paritas 1 sampai 5. Variabel yang diamati dalam penelitian ini adalah berat lahir, berat sapah, penambahan berat badan harian, *litter size*, dan mortalitas. Rancangan penelitian yaitu rancangan acak lengkap pola searah, dianalisis dengan analisis variansi menggunakan *General Linier Model Multivariate* program SPSS 16.0 for Windows. Hasil penelitian menunjukkan bahwa pengaruh paritas induk babi bangsa Landrace terhadap pertumbuhan anak prasapah berturut-turut untuk berat lahir $1,42 \pm 0,07$ kg, $1,40 \pm 0,07$ kg, $1,37 \pm 0,07$ kg, $1,40 \pm 0,08$ kg, $1,24 \pm 0,08$ kg, berat sapah $7,35 \pm 0,37$ kg, $6,75 \pm 0,37$ kg, $6,85 \pm 0,37$ kg, $6,81 \pm 0,43$ kg, $6,70 \pm 0,43$ kg, penambahan berat badan harian $211,61 \pm 12,37$ g/hari, $191,07 \pm 12,37$ g/hari, $195,81 \pm 12,37$ g/hari, $193,21 \pm 14,29$ g/hari, $194,88 \pm 14,29$ g/hari, *litter size* $7,75 \pm 0,63$ ekor, $11,75 \pm 0,63$ ekor, $11 \pm 0,63$ ekor, $12,33 \pm 0,73$ ekor, $14,33 \pm 0,73$ ekor, mortalitas $4,17 \pm 5,16$ %, $8,71 \pm 5,16$ %, $11,17 \pm 5,16$ %, $2,56 \pm 5,96$ %, $19,94 \pm 5,96$ %. Pengaruh paritas induk babi Landrace terhadap pertumbuhan anak prasapah untuk variabel berat lahir, berat sapah, penambahan berat badan harian, dan mortalitas tidak menunjukkan perbedaan yang nyata sedangkan pada *litter size* menunjukkan adanya perbedaan yang nyata.

(Kata kunci: Landrace , Paritas, Pertumbuhan Anak Prasapah)

**EFFECT OF PARITY OF LANDRACE SOWS TOWARDS PRE-
WEANING GROWTH AT CV. ADHI FARM, JATEN,
KARANGANYAR, CENTRAL JAVA**

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ABSTRACT

The aim of this research was to determine the effect of parity of Landrace sows to pre-weaning growth. The research was conducted at CV. Adhi Farm in Jaten, Karanganyar, Central Java, from November 2014 until January 2015. Data was obtained from 18 sows and 201 piglets, with parities ranged of 1 – 5. The variable were birth weight, weaning weight, average daily gain, litter size, and mortality. The design was one-way complete randomized design, analyzed with General Linier Model Multivariate SPSS 16.0 for Windows program. The result shows that the birth weight were $1,42 \pm 0,07$ kg, $1,40 \pm 0,07$ kg, $1,37 \pm 0,07$ kg, $1,40 \pm 0,08$ kg, $1,24 \pm 0,08$ kg, for parities 1 – 5, respectively, weaning weight $7,35 \pm 0,37$ kg, $6,75 \pm 0,37$ kg, $6,85 \pm 0,37$ kg, $6,81 \pm 0,43$ kg, $6,70 \pm 0,43$ kg, for parities 1 – 5, respectively, average daily gain $211,61 \pm 12,37$ g/day, $191,07 \pm 12,37$ g/day, $195,81 \pm 12,37$ g/day, $193,21 \pm 14,29$ g/day, $194,88 \pm 14,29$ g/day, for parities 1 – 5, respectively, litter size $7,75 \pm 0,63$ heads, $11,75 \pm 0,63$ heads, $11 \pm 0,63$ heads, $12,33 \pm 0,73$ heads, $14,33 \pm 0,73$ heads, for parities 1 – 5, respectively, mortality $4,17 \pm 5,16$ %, $8,71 \pm 5,16$ %, $11,17 \pm 5,16$ %, $2,56 \pm 5,96$ %, $19,94 \pm 5,96$ %, for parities 1 – 5, respectively. It is concluded that effect of parity of Landrace sows towards birth weight, weaning weight, average daily gain, and mortality variables were not significantly different, however it was significantly different for litter size.

(Keyword: Landrace, Parity, Pre-weaning Growth)