

PRODUKTIVITAS INDUK *ELITE* SAPI MADURA DI KAWASAN PENGEMBANGAN BUDAYA SONOK DI PULAU MADURA

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INTISARI

Penelitian ini bertujuan untuk mengetahui produktivitas induk *elite* sapi Madura di Kecamatan Pasean, Waru, dan Batu Marmar sebagai pusat pengembangan sapi *sonok*. Penelitian ini menggunakan 54 orang peternak dan 85 ekor induk *elite* sapi Madura yang dimilikinya. Penelitian dilaksanakan menggunakan metode wawancara dan pengamatan langsung di lapangan. Variabel yang diamati adalah karakteristik wilayah, sistem produksi (karakteristik peternak dan sistem pemeliharaan), ukuran tubuh, dan kinerja reproduksi. Data yang diperoleh dianalisis menggunakan analisis *one way analysis of variance*. Ukuran tubuh induk *elite* di Kecamatan Pasean, Waru, dan Batu Marmar berturut-turut adalah panjang badan $134,51 \pm 7,46$ $130,79 \pm 7,34$ $132,92 \pm 10,54$, lingkar dada $166,37 \pm 9,21$ $163,58 \pm 11,37$ $155,51 \pm 8,07$, lebar dada $41,39 \pm 4,69$ $39,71 \pm 4,53$ $42,92 \pm 4,64$, dalam dada $65,04 \pm 4,82$ $61,50 \pm 5,60$ $64,25 \pm 8,99$, tinggi gumba $126,53 \pm 5,21$ $124,92 \pm 6,01$ $132,92 \pm 3,61$, tinggi pinggul $123,69 \pm 5,51$ $122,54 \pm 4,38$ $124,33 \pm 6,24$, lebar pinggul $41,71 \pm 4,01$ $38,50 \pm 4,38$ $39,00 \pm 5,36$, dan indeks kepala $45,14 \pm 3,72$ $43,99 \pm 3,24$ $46,26 \pm 7,25$. Hasil penelitian kinerja reproduksi yang diperoleh adalah umur pertama kali kawin $22,04 \pm 2,31$ $21,95 \pm 2,48$ $21,18 \pm 2,75$, *service per conception* (S/C) $1,89 \pm 0,46$ $2,00 \pm 0,61$ $1,91 \pm 0,54$, umur sapih $5,81 \pm 0,44$ $5,77 \pm 0,43$ $5,82 \pm 0,40$, *post partus mating* $4,82 \pm 0,80$ $4,82 \pm 1,22$ $4,54 \pm 0,52$, dan interval kelahiran $14,44 \pm 1,02$ $14,68 \pm 1,29$ $14,00 \pm 1,34$. Berdasarkan hasil yang diperoleh disimpulkan bahwa ukuran tubuh dan kinerja reproduksi di Kecamatan Pasean, Waru, dan Batu Marmar tidak berbeda nyata, sehingga ketiga kecamatan dapat dijadikan sebagai pusat pengembangan *sonok*.

(Kata kunci: sapi Madura, induk *elite*, *sonok*)

PRODUCTIVITY OF ELITE MADURA COW IN CULTURAL SONOK AREA IN MADURA ISLAND

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ABSTRACT

This study was aimed to observe the productivity of elite Madura cows in Pasean, Waru, and Batu Marmar Sub-Districts as central of *sonok* cattleareas. The study used 54 farmers and 85 of the elite Madura cows they owned. The study was conducted by interview method and direct observation. The variables observed were production systems (farmers characteristics and raising systems), cow's body size, and reproductive performances. The data obtained were analyzed by one way analysis of variance. The body size of elite cows in Pasean, Waru, and Batu Marmar Sub-Districts respectively, were length of the body $134,51 \pm 7,46$ $130,79 \pm 7,34$ $132,92 \pm 10,54$, girth of chest $166,37 \pm 9,21$ $163,58 \pm 11,37$ $155,51 \pm 8,07$, width of chest $41,39 \pm 4,69$ $39,71 \pm 4,53$ $42,92 \pm 4,64$, depth of chest $65,04 \pm 4,82$ $61,50 \pm 5,60$ $64,25 \pm 8,99$, height at withers $126,53 \pm 5,21$ $124,92 \pm 6,01$ $132,92 \pm 3,61$, height at hip $123,69 \pm 5,51$ $122,54 \pm 4,38$ $124,33 \pm 6,24$, width of hip $41,71 \pm 4,01$ $38,50 \pm 4,38$ $39,00 \pm 5,36$, and head index $45,14 \pm 3,72$ $43,99 \pm 3,24$ $46,26 \pm 7,25$. The result of reproductive performance obtained were first mating age $22,04 \pm 2,31$ $21,95 \pm 2,48$ $21,18 \pm 2,75$, service per conception (S/C) $1,89 \pm 0,46$ $2,00 \pm 0,61$ $1,91 \pm 0,54$, weaning age $5,81 \pm 0,44$ $5,77 \pm 0,43$ $5,82 \pm 0,40$, post partus mating $4,82 \pm 0,80$ $4,82 \pm 1,22$ $4,54 \pm 0,52$, and calving interval $14,44 \pm 1,02$ $14,68 \pm 1,29$ $14,00 \pm 1,34$. It was concluded that body size and reproductive performances in Pasean, Waru, and Batu Marmar Sub-districts were not significantly different, so that those three Sub-Districts can be used as the center of *sonok* areas.

(key words: Madura cattle, elite cow, *sonok*)