

## ABSTRAK

### STATUS REPRODUKSI DAN ESTIMASI OUTPUT BANGSA-BANGSA KAMBING DI DESA KARANG ENDAH KECAMATAN TERBANGGI BESAR KABUPATEN LAMPUNG TENGAH

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Penelitian ini bertujuan untuk mengetahui status reproduksi, nilai *Natural Increase*, *Net Replacement Rate*, dan *Output* pada masing-masing bangsa kambing di Desa Karang Endah Kecamatan Terbanggi Besar Kabupaten Lampung Tengah. Penelitian ini dilakukan mulai Agustus sampai dengan September 2015. Penelitian dilakukan terhadap seluruh peternak kambing yang ada di Desa Karang Endah. Hasil penelitian menunjukkan bahwa struktur populasi kambing di Desa Karang Endah terdiri dari 47 ekor kambing Peranakan Etawah (PE), 225 ekor kambing Rambon, dan 117 ekor kambing Kacang. Status reproduksi kambing yang terdapat di Karang Endah sebagai berikut: kambing PE, umur pertama kali kawin jantan dan betina (13,00 dan 13,46 bulan), *Post Partum Mating* (2,69 bulan), Interval beranak (7,69 bulan); kambing Rambon, umur pertama kali kawin jantan dan betina (9,13 dan 11,67 bulan), *Post Partum Mating* (2,49 bulan), Interval beranak (7,49 bulan); kambing Kacang, umur pertama kali kawin jantan dan betina (8,76 dan 10,25 bulan), *Post Partum Mating* (1,50 bulan), Interval beranak (6,50 bulan). Kambing PE *Natural Increase* (38,30%), *Net Replacement Rate* jantan dan betina (668% dan 306,38%), *Output* (38,29%). Kambing Rambon *Natural Increase* (29,33%), *Net Replacement Rate* jantan dan betina (397% dan 179,94%), *Output* (29,33%). Kambing Kacang *Natural Increase* (27,35%), *Net Replacement Rate* jantan dan betina (221% dan 317,80%), *Output* (27,35%).

Kata kunci: Struktur populasi, status reproduksi, *Natural Increase*, *Net Replacement Rate*, *Output*

## **ABSTRACT**

### ***REPRODUCTION STATUS AND OUTPUT ESTIMATION OF GOAT BREEDS IN KARANG ENDAH VILLAGE, TERBANGGI BESAR SUBDISTRICT, LAMPUNG TENGAH REGENCY***

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*The aim of the study was to identify reproduction status, Natural Increase, Net Replacement Rate, and Output in each goat breeds of Karang Endah village, Terbanggi Besar subdistrict, Lampung Tengah regency. The research was started in August until September 2015. The results showed that the structure of the goat population in the village of Karang Endah consists of 47 Peranakan Etawah (PE) goats, 225 Rambon goats, and 117 Kacang goats. Reproduction status goat in Karang Endah: PE goat, first mating males and females (13,00 and 13,46 months), Post Partum Mating (2,69 months), Calving Interval (7,69 months) ; Rambon goat, first mating males and females (9,13 and 11,67 months), Post Partum Mating (2,49 months), Calving Interval (7,49 months); Kacang goat, first mating males and females (8,76 and 10,25 months), Post Partum Mating (1,50 months), Calving Interval (6,50 months). Goats PE Natural Increase (38,30%), Net Replacement Rate of males and females (668% and 306,38%), Output (38,29%). Goats Rambon Natural Increase (29,33%), Net Replacement Rate of males and females (397% and 179,94%), Output (29,33%). Natural Increase Kacang goats (27,35%), Net Replacement Rate of males and females (221% and 317,80%), Output (27,35%).*

*Keywords: Population structure, reproduction status, Natural Increase, Net Replacement Rate, Output*