

KORELASI ANTARA BOBOT BADAN DENGAN LINGKAR DADA KAMBING KEJOBONG DI KTT NGUDI DADI PURBALINGGA

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Author Order	3 of 6
Accreditation	
Abstract	<p>Background. Local goats are widely cultivated in Indonesia, especially in Kejobong, Purbalingga. Local farmers usually determine the price of livestock from body weight. To make it easier, it can be done by measuring the chest circumference, which is quite accurate compared to the results of the scales. The purpose of the study was to estimate the body weight (BW) of Kejobong goats using chest circumference (LD) measurements. The purpose of this study was to estimate the body weight (BB) of Kejobong goats using chest circumference (LD). The materials used were 38 female Kejobong goats aged 3-12 months and 51 heads >12-30 months. Samples were taken using purposive random sampling. The variables observed were the BB and LD of female Kejobong goats. The calculation results show a correlation (r) in the age group 3-12 months of 0.984, in the age group >12-30 months the correlation is 0.691 and in all age groups of 0.942. The results of the correlation between LD and BB obtained a linear regression equation for female Kejobong goats aged 3-12 months $Y = -21.433 + 0.6552x$, in the age group >12-48 months $Y = -21.916 + 0.735x$ and in all age groups $Y = -28.802 + 0.812x$. The linear regression equation can be used to estimate the body weight of female Kejobong goats at all ages.</p>
Publisher Name	Fakultas Peternakan Universitas Jenderal Soedirman
Publish Date	2022-12-05
Publish Year	2022
Doi	DOI: 10.20884/1.angon.2022.4.3.p297-302
Citation	
Source	ANGON: Journal of Animal Science and Technology
Source Issue	Vol 4 No 3 (2022): JURNAL ANGON
Source Page	297-302
Url	http://jnp.fapet.unsoed.ac.id/index.php/angon/article/view/2079/801
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