



# Effect of Tannin rich plant ( *Acacia nilotica* ) on some nutritional and bacteriological parameters in goats.

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## Abstract:

The effects of *A. nilotica* (tannin-rich plants) on the digestion coefficient of nutrients and its antibacterial properties were "in-vivo" investigated in this study. Twenty five male baladi goats aged 3-4 years and weighing 19-21 kg were randomly classified into five groups (5 per each). Each animal group was fed on one of the experimental diets containing different levels of *A. nilotica* leaves (0%, 5%, 10%, 15% & 20%). Chemical analysis of *A. nilotica* leaves revealed that its content of crude protein, crude fiber, ash were 12.1%, 30.5%, 13.2%, respectively, while the total soluble tannins were 34%. The digestion coefficient of dry matter (DM), crude protein, crude fiber and nitrogen free-extract (NFE) in the control group were better than those of the experimental diets. However, digestion coefficient of most nutrients were significantly decreased (P

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