MEDICINAL PLANTS AS FEED ADDITIVES FOR RUMINANTS

By

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Thesis

Submitted in Partial Fulfillment
of the Requirements for the
Degree of Master

In

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ABSTRACT

The present study was carried out at the experimental Station of Animal Production Department, Faculty of Agriculture, Fayoum University and Sids Experimental Station, Animal Production Research Institute, Agricultural Research Center, Ministry of Agricultural, Egypt.

The objective of this study was to evaluate the effects of some dried medicinal plants (*Artemisia absinthium, Cymbopogon proximus and Glycyrrhiza glabra*) as supplements (in the expense of roughages) on *in vitro* dry matter digestibility (IVDMD), Rumen activity, *in vivo* nutrients digestibility coefficient, feeding values and milk yield and its component. In conclusion, the diets containing medicinal plants (*Cymbopogon proximus, Artemisia absinthium* and *Glycyrrhiza glabra)* could be economically and successfully be used for lactating buffaloes to improve digestibilites, feeding values, feed efficiency, milk production and economical efficiency, especially the diet containing *Glycyrrhiza glabra*.

Key words: *Artemisia absinthium*, *Cymbopogon proximus*, *Glycyrrhiza glabra*, Sheep, Buffaloes, Rumen activity, Feeding values, Milk yield.