

ABSTRACT

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This study aims to determine appropriate ratios of ensiled banana peels used to promote growth of heifers. Sixteen sample cows were divided into 4 experimental groups with 4 replication each. Urea treated rice straw was used as roughage for the first group while the second, third and fourth group were received ensiled banana peels supplement in a ratio of 20 30 and 40 percent of urea treated rice straw respectively. Apart from that all of the animals also received the same concentrate minerals and vaccine.

The experiment indicates that heifers that received 30 percents of ensiled banana peels supplement with urea treated rice straw show significantly better growth rate than the other groups ($p < 0.05$) since it had the average growth rate 0.411 kg per day. On the other hand, if comparing the controlled group with the second and the fourth group, there was non significant difference between them because, the average growth rate were 0.200 0.206 and 0.175 kg per day respectively.