



## **Proximate analysis and chemical composition of alternative dog snack supplemented with *Saccharomyces cerevisiae* and Mao berry pomace**

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There now is significant pet owners' interest in natural food. Mao berry pomace is a by-product from the Mao berry processing industry and can be used for the production of many value-added products including nutraceuticals. This exploration was conducted to estimate nutrition fact of superpremium alternative dog morsel supplemented with *Saccharomyces cerevisiae* and Mao berry pomace by proximate analysis as it was currently suggested high protein content. The effect of crude proteins and anthocyanin in terms of how it enriched Mao berry pomace as pet food for dogs have also been studied. There were 7.52% and 16.52% increase in protein content in the experimental diet with 5% and 10% w/w of Mao berry pomace compared to the control group, respectively. Similarly, total anthocyanin levels were exhibited at 1.43 mg/g and 2.78 mg/g in the diet enriched with 5% and 10% (w/w) of Mao berry pomace, respectively. Furthermore, other nutritional values were also determined, and were suitable for adult canine nourishment. Additionally, those interested can prepare it at home.

**Key words:** Dog, Mao berry, *Saccharomyces cerevisiae*, Snack