

## Production of Banana Milk Powder Using Spray and Freeze Dryer

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**Abstract :** Banana are rich in vitamins, potassium and carbohydrate. The objective for this research work is to produce banana milk powder that can help children that suffers from constipation. Two types of the most common dryers used for this purpose are the spray and freeze dryer. The effects of the type of dryers, pump feed speed in the spray dryer and the ratio proportion of the banana milk powder were investigated in the study. The result indicate that increasing proportion ratio of the banana milk powder produce lower yield of the powder. From the result it is also concluded that speed 2 is more suitable in the production of the banana milk powder since the value of the moisture content is lower.

**Keywords :** freeze dryer, spray dryer, moisture content, dissolution, banana, milk

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